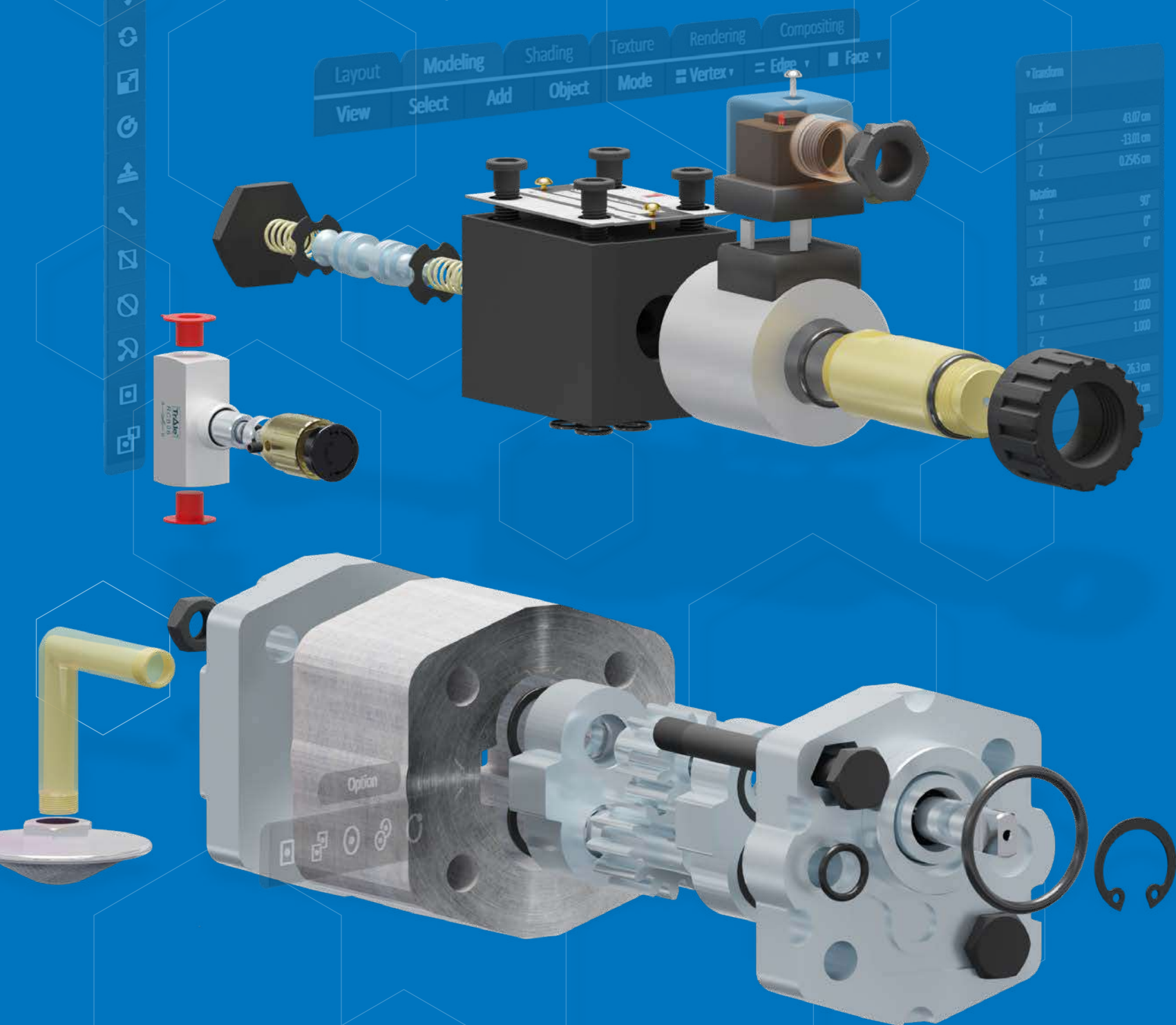


# COMPONENTES HIDRÁULICOS Y NEUMÁTICOS

Hydraulic & Pneumatic Components  
*Composants Hydrauliques et Pneumatiques*  
Componenti Idrauliche e Pneumatiche



## Componentes Hidráulicos

Hydraulic components  
*Composants Hydrauliques*  
Componenti Idrauliche

# TrΔle®



## Componentes Hidráulicos - OTRAS MARCAS

Hydraulic components - OTHER BRANDS  
*Composants Hydrauliques - AUTRES MARQUES*  
Componenti Idrauliche - ALTRE MARCHE



# Roquet

*making moves*



## Componentes neumáticos

Pneumatic components  
*Composants pneumatiques*  
Componenti pneumatici

# TrΔle®





# TrΔle®

## Componentes Hidráulicos

Hydraulic Components

*Composants Hydrauliques*

Componenti Idrauliche

TrΔle Range



## **IMPULSORES**

Pumps  
Pompes  
Pompe



## **ELEMENTOS DE CONTROL**

Control components  
Éléments de contrôle  
Elementi di controllo



## **ACTUADORES**

Motion devices  
Actionneurs  
Attuatori



## **ACCESORIOS**

Accessories  
Accessoires  
Accessori



## **MINICENTRALES HIDRÁULICAS**

Mini power packs  
Mini-centrales hydrauliques  
Minicentrali idraulici



## **COMPONENTES HIDRÁULICOS - TRΔLE® GREENLINE**

Hydraulic Components - TrΔle® GreenLine  
Composants hydrauliques - TrΔle® GreenLine  
Componenti idraulici - TrΔle® GreenLine





## **BOMBAS MANUALES** 4

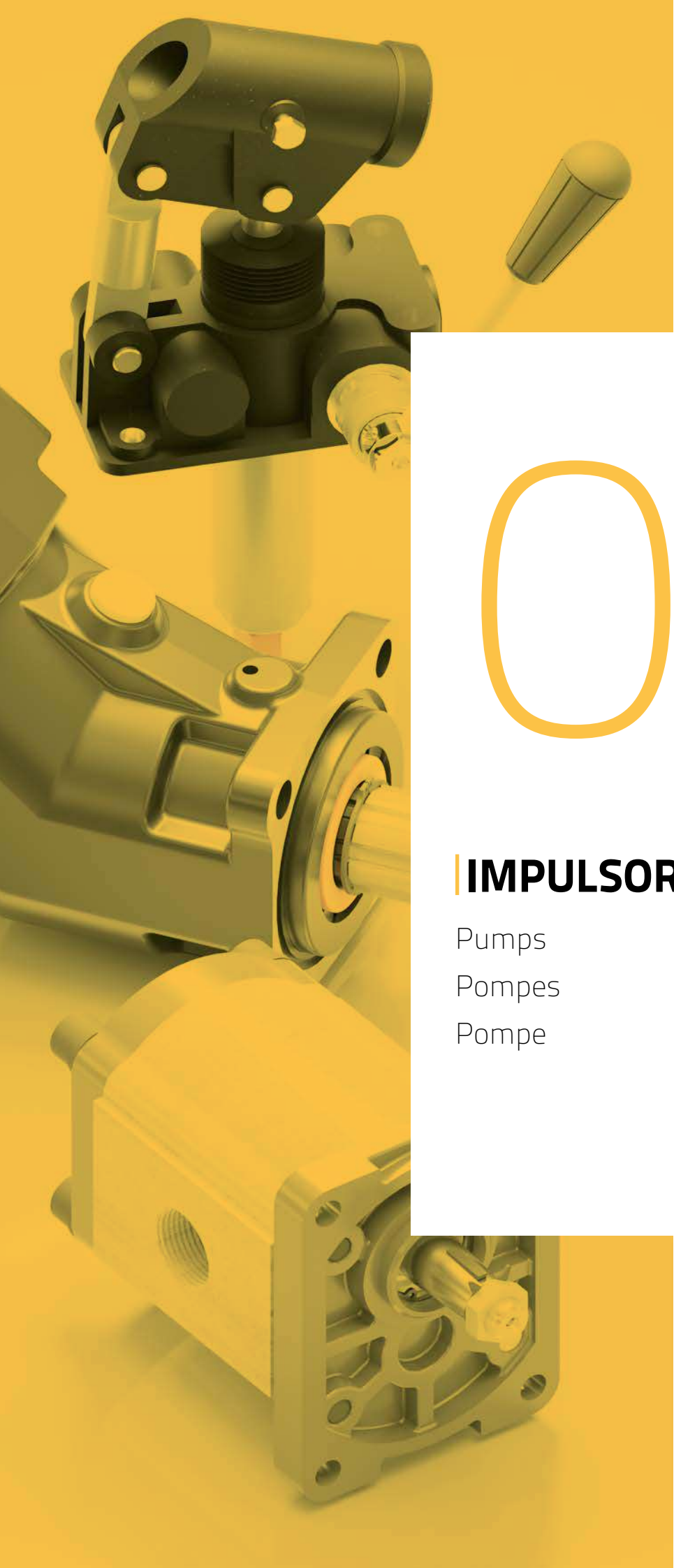
Hydraulic hand pumps  
Pompes hydrauliques à main  
Pompe manuali

## **BOMBAS DE ENGRANAJES** 8

Gear pumps  
Pompes à engrenages  
Pompe a ingranaggi

## **BOMBAS DE PISTONES** 13

Piston pumps  
Pompes à pistons  
Pompe a pistoni



# 01

## **IMPULSORES**

Pumps

Pompes

Pompe

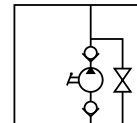
# BOMBAS MANUALES

Hydraulic hand pumps  
Pompes hydrauliques à main  
Pompe manuali

**TrAle®**

## Bomba manual S.E. con palanca para depósito por separado

Hydraulic hand pump Single Act., with lever for tank aside  
Pompe man.S.E., avec levier pour réservoir apart  
Pompa manuale S.E. con leva , per serbatoio laterale

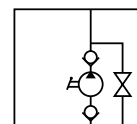


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FLOW (cm³)<br>CAUDAL (cm³) | € |
|-----------------------|-----------------|-------------------------------------------|----------------------------|---|
| <b>BMT20</b>          | 1/2" BSP        | 250                                       | 20                         | - |

Bomba externa al depósito, como el tipo CF de la pág 228. / Pump to use of aside of tank, as Type CF (page 228). / Pompe a utiliser à l'extérieur du réservoir comme type CF (page 228). / Pompa esterna al serbatoio, come tipo CF (pagina 228)

## Bomba manual S.E. con palanca

Hydraulic hand pump Single Act., with lever  
Pompe man.S.E., avec levier  
Pompa manuale S.E. con leva

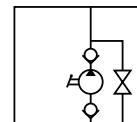


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FLOW (cm³)<br>CAUDAL (cm³) | € |
|-----------------------|-----------------|-------------------------------------------|----------------------------|---|
| <b>BMTSE45</b>        | 3/8" BSP        | 160                                       | 45                         | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

## Bomba manual S.E. con palanca y fuelle

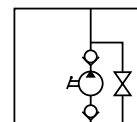
Hydraulic hand pump Single Act., with lever and bellows  
Pompe man.S.E., avec levier et soufflet  
Pompa manuale S.E. con leva e soffiutto



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FLOW (cm³)<br>CAUDAL (cm³) | € |
|-----------------------|-----------------|-------------------------------------------|----------------------------|---|
| <b>BMTSE12F</b>       | 3/8" BSP        | 320                                       | 12                         | - |
| <b>BMTSE25F</b>       | 3/8" BSP        | 250                                       | 25                         | - |
| <b>BMTSE45F</b>       | 3/8" BSP        | 160                                       | 45                         | - |

## Bomba manual S.E. con palanca, fuelle y depósito

Hydraulic hand pump Single Act., with lever, bellows and tank  
Pompe man.S.E., avec levier, soufflet et réservoir  
Pompa manuale S.E. con leva,soffiutto e serbatoio

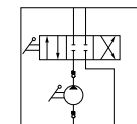


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | CAPACITY (l)<br>CAPACIDAD (l) | FLOW (cm³)<br>CAUDAL (cm³) | € |
|-----------------------|-----------------|-------------------------------------------|-------------------------------|----------------------------|---|
| <b>BMTSE12F05</b>     | 3/8" BSP        | 320                                       | 5                             | 12                         | - |
| <b>BMTSE25F03</b>     | 3/8" BSP        | 250                                       | 3                             | 25                         | - |
| <b>BMTSE25F05</b>     | 3/8" BSP        | 250                                       | 5                             | 25                         | - |

Para otras cilindradas, consultar disponibilidad / For other displament, consult availability / Pour d'autres cylindrées, consultez disponibilité / Per altre portate, consultare disponibilità

## Bomba manual D.E. con palanca

Hydraulic hand pump Double Act., with lever  
Pompe man.D.E., avec levier  
Pompa manuale D.E. con leva



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FLOW (cm³)<br>CAUDAL (cm³) | € |
|-----------------------|-----------------|-------------------------------------------|----------------------------|---|
| <b>BMTDE12</b>        | 3/8" BSP        | 320                                       | 12                         | - |
| <b>BMTDE25</b>        | 3/8" BSP        | 250                                       | 25                         | - |
| <b>BMTDE45</b>        | 3/8" BSP        | 160                                       | 45                         | - |



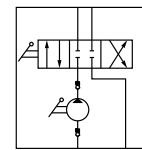


### Bomba manual D.E. con palanca, fuelle y depósito

Hydraulic hand pump Double Act., with lever, bellows and tank

Pompe man.D.E., avec levier, soufflet et réservoir

Pompa manuale D.E. con leva,soffietto e serbatoio



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | FLOW (cm³)<br>CAUDAL (cm³) | TANK (l)<br>DEPÓSITO (l) | € |
|-----------------------|-----------------|------------------------------------------|----------------------------|--------------------------|---|
| BMTDE12F05            | 3/8" BSP        | 320                                      | 12                         | 5                        | - |
| BMTDE25F05            | 3/8" BSP        | 250                                      | 25                         | 5                        | - |

### Palanca para bombas manuales

Lever for hand pumps

Levier pour pompes manuelles

Leve per pompe a mano



| Part n°<br>Referencia | ØD (mm) | LENGTH (mm)<br>LONGITUD (mm) | € |
|-----------------------|---------|------------------------------|---|
| LV27X540              | 27      | 540                          | - |

### Fuelle para bombas manuales

Bellows for hand pump

Soufflet pour pompe à main

Soffietto per pompe a mano



| Part n°<br>Referencia | PUMP<br>BOMBA   | € |
|-----------------------|-----------------|---|
| FUELLE BMT            | BMT/BMTSE/BMTDE | - |

### Depósitos de hierro para bombas manuales

Iron tanks for hydraulic hand pumps

Réservoirs en acier pour pompes hydrauliques à main

Serbatoi di ferro per pompe a mano



| Part n°<br>Referencia | CAPACITY (l)<br>CAPACIDAD (l) | € |
|-----------------------|-------------------------------|---|
| DHBMT01               | 1                             | - |
| DHBMT02               | 2                             | - |
| DHBMT03               | 3                             | - |
| DHBMT05               | 5                             | - |
| DHBMT07               | 7                             | - |
| DHBMT10               | 10                            | - |

### Pomos bombas manuales

Hand pump knobs

Molette de pompe à main

Manopole della pompa a mano



| Part n°<br>Referencia | THREAD<br>ROSCA | PUMP<br>BOMBA | € |
|-----------------------|-----------------|---------------|---|
| POMO BOMBA MANUAL     | 3/8" BSP        | BMTSE         | - |

# BOMBAS DE ENGRANAJE · GEAR PUMPS

CÓMO PEDIR · HOW TO ORDER

**BTD**

**1**

**11**

**D**

**01**

1

2

3

4

1

GRUPO | GROUP

3

GIRO | ROTATION

1

GR. 1

2

GR. 2

3

GR. 3

D

DERECHA | RIGHT

I

IZQUIERDA | LEFT

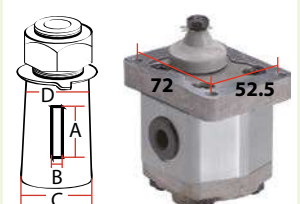
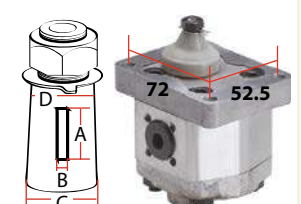
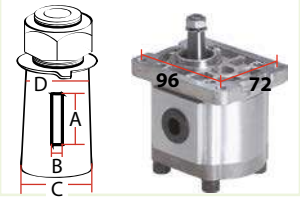
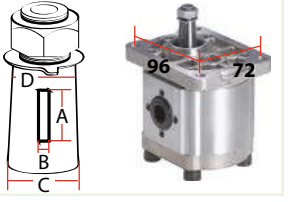
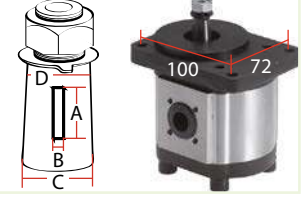
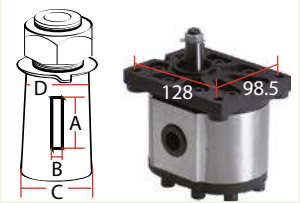
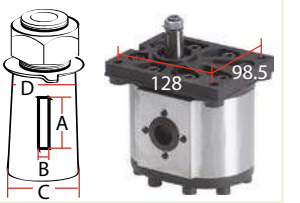
2

CUBICAJE | DISPLACEMENT

|       |        |        |        |        |        |        |        |        |        |        |        |       |       |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| GR. 1 | 07     | 11     | 16     | 18     | 27     | 32     | 37     | 48     | 58     | 63     | 80     |       |       |
|       | 0,7 cc | 1,1 cc | 1,6 cc | 1,8 cc | 2,7 cc | 3,2 cc | 3,7 cc | 4,8 cc | 5,8 cc | 6,3 cc | 8,0 cc |       |       |
| GR. 2 | 04     | 06     | 08     | 12     | 14     | 16     | 20     | 23     | 25     | 28     | 30     |       |       |
|       | 4 cc   | 6 cc   | 8 cc   | 12 cc  | 14 cc  | 16 cc  | 20 cc  | 23 cc  | 25 cc  | 28 cc  | 30 cc  |       |       |
| GR. 3 | 22     | 26     | 28     | 32     | 34     | 36     | 39     | 42     | 43     | 46     | 50     | 51    | 55    |
|       | 22 cc  | 26 cc  | 28 cc  | 32 cc  | 34 cc  | 36 cc  | 39 cc  | 42 cc  | 43 cc  | 46 cc  | 50 cc  | 51 cc | 55 cc |

4

TIPO DE CONEXION | CONNECTION TYPE

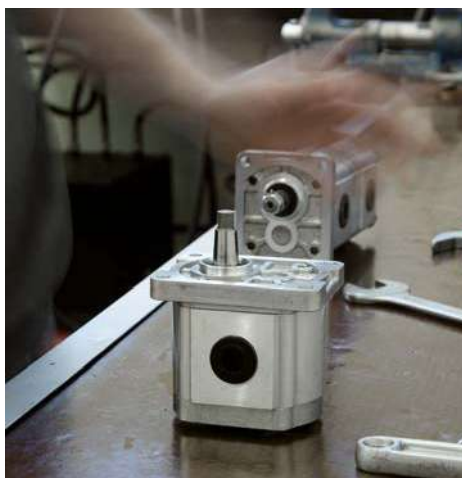
|                   | 01                                                                                                                    | 02                         | 03                                                                                                                    | 04                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------|
| TAPA   FLANGE     | EUR.                                                                                                                  | EUR.                       | EUR.                                                                                                                  | BOSCH                |
| EJE   SHAFT       | CÓNICO   TAPERED 1:8                                                                                                  | CÓNICO   TAPERED 1:8       | CÓNICO   TAPERED 1:8                                                                                                  | CÓNICO   TAPERED 1:5 |
| BRIDA   SIDE PORT | ROSCADA   THREADED                                                                                                    | STD EUROPEA   STD EUROPEAN | BOSCH                                                                                                                 | BOSCH                |
| GR. 1             | A: 13   B: 2.4   C: 10   D: 8<br>  |                            | A: 13   B: 2.4   C: 10   D: 8<br> |                      |
|                   |                                                                                                                       |                            |                                                                                                                       |                      |
| GR. 2             | A: 16   B: 3.2   C: 17   D: 15<br> |                            | A: 16   B: 3.2   C: 17   D: 15<br> |                      |
|                   |                                                                                                                       |                            | A: 16   B: 3   C: 17   D: 14<br> |                      |
| GR. 3             | A: 19   B: 4   C: 22   D: 19<br>   |                            | A: 19   B: 4   C: 22   D: 19<br>   |                      |
|                   |                                                                                                                       |                            |                                                                                                                       |                      |

Más opciones en ejes y tapas bajo consulta · More options in shaft and flanges under request

## BOMBAS MÚLTIPLES GR. II (PARA OTROS GRUPOS, CONSÚLTENOS)

GR. II MULTIPLE PUMPS (OTHER GROUPS UNDER REQUEST)

TrΔle®



Posibilidad bombas triples TRΔLE®  
Under request triple TRΔLE® pumps

Posibilidad de transformación con distintos ejes y tapas TRΔLE®  
Under request Shaft, flange among others external features can be modified on our TRΔLE® pumps



# BOMBAS DE ENGRANAJES

Gear pumps  
Pompes à engrenages  
Pompe a ingranaggi

**TrAle®**

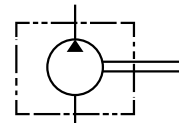


## Gr.I Bombas engranaje/tapa eur/eje cónico 1:8 / roscada

Gr.I Gear pump/ Eur.flange/tapered shaft 1:8 /threaded side ports type

Gr.I Pompe engranage/flasque Eur./Arbre conique 1:8 /Asp.et ref. type taraudée

Gr. I Pompe ingranaggi/flangia Eur./albero conico 1:8 /attacchi filettati



| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION<br>Ø ASPIRACION | Ø PRESSURE<br>Ø PRESSION | MAX PRESSURE (bar)<br>PRESION MAX.(bar) | R.P.M. Max | cm³/rev | € |
|-------------------------------|--------------------------------|------------------------------|--------------------------|-----------------------------------------|------------|---------|---|
| BTD111D01                     | BTD111I01                      | 3/8" BSP                     | 3/8" BSP                 | 250                                     | 6000       | 1,1     | - |
| BTD116D01                     | BTD116I01                      | 3/8" BSP                     | 3/8" BSP                 | 250                                     | 6000       | 1,6     | - |
| BTD118D01                     | BTD118I01                      | 3/8" BSP                     | 3/8" BSP                 | 250                                     | 6000       | 1,8     | - |
| BTD127D01                     | BTD127I01                      | 3/8" BSP                     | 3/8" BSP                 | 250                                     | 6000       | 2,7     | - |
| BTD132D01                     | BTD132I01                      | 3/8" BSP                     | 3/8" BSP                 | 250                                     | 5000       | 3,2     | - |
| BTD137D01                     | BTD137I01                      | 3/8" BSP                     | 3/8" BSP                 | 250                                     | 4500       | 3,7     | - |
| BTD148D01                     | BTD148I01                      | 3/8" BSP                     | 3/8" BSP                 | 200                                     | 4000       | 4,8     | - |
| BTD158D01                     | BTD158I01                      | 1/2" BSP                     | 3/8" BSP                 | 200                                     | 3500       | 5,8     | - |
| BTD163D01                     | BTD163I01                      | 1/2" BSP                     | 3/8" BSP                 | 200                                     | 2900       | 6,3     | - |
| BTD180D01                     | BTD180I01                      | 1/2" BSP                     | 3/8" BSP                 | 200                                     | 2100       | 8       | - |

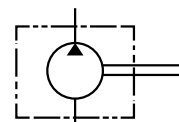


## Gr.I Bombas engranaje/tapa eur/eje cónico 1:8 / brida alemana

Gr.I Gear pump/ Eur.flange/tapered shaft 1:8 /side ports type German

Gr.I Pompe engranage/flasque Eur./Arbre conique 1:8 /Asp.et ref. type Allemande

Gr. I Pompe ingranaggi/flangia Eur./albero conico 1:8 /attacchi Tedesca



| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | ASPIRATION FLANGE (mm)<br>BRIDA ASPIRACION (mm) | PRESSURE FLANGE (mm)<br>BRIDA PRESSION (mm) | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | R.P.M. Max | cm³/rev | € |
|-------------------------------|--------------------------------|-------------------------------------------------|---------------------------------------------|------------------------------------------|------------|---------|---|
| BTD111D03                     | BTD111I03                      | 30                                              | 30                                          | 250                                      | 6000       | 1,1     | - |
| BTD116D03                     | BTD116I03                      | 30                                              | 30                                          | 250                                      | 6000       | 1,6     | - |
| BTD118D03                     | BTD118I03                      | 30                                              | 30                                          | 250                                      | 6000       | 1,8     | - |
| BTD127D03                     | BTD127I03                      | 30                                              | 30                                          | 250                                      | 6000       | 2,7     | - |
| BTD132D03                     | BTD132I03                      | 30                                              | 30                                          | 250                                      | 6000       | 3,2     | - |
| BTD137D03                     | BTD137I03                      | 30                                              | 30                                          | 250                                      | 4500       | 3,7     | - |
| BTD148D03                     | BTD148I03                      | 30                                              | 30                                          | 200                                      | 4000       | 4,8     | - |
| BTD158D03                     | BTD158I03                      | 30                                              | 30                                          | 200                                      | 3500       | 5,8     | - |
| BTD163D03                     | BTD163I03                      | 30                                              | 30                                          | 200                                      | 2900       | 6,3     | - |
| BTD180D03                     | BTD180I03                      | 30                                              | 30                                          | 200                                      | 2100       | 8       | - |

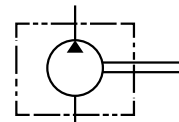


## Gr.I Bombas engranaje/Minicentralita

Gr.I Gear pump/Mini power packs

Gr.I Pompe engranage/Mlni-centrales hydrauliques

Gr. I Pompe ingranaggi/Minicentraline



| Part n°<br>Referencia | Ø PRESSURE (mm)<br>Ø PRESSION (mm) | Ø ASPIRATION<br>Ø ASPIRACION | MAX PRESSURE.(bar)<br>PRESION MAX.(bar) | R.P.M. Max | cm³/rev | € |
|-----------------------|------------------------------------|------------------------------|-----------------------------------------|------------|---------|---|
| BTD111D05             | 9                                  | 3/8" BSP                     | 200                                     | 6000       | 1.1     | - |
| BTD121D05             | 9                                  | 3/8" BSP                     | 200                                     | 6000       | 2.1     | - |
| BTD132D05             | 9                                  | 3/8" BSP                     | 200                                     | 5000       | 3.2     | - |
| BTD142D05             | 9                                  | 3/8" BSP                     | 200                                     | 4000       | 4.2     | - |
| BTD158D05             | 9                                  | 3/8" BSP                     | 160                                     | 2900       | 5.8     | - |
| BTD170D05             | 9                                  | 3/8" BSP                     | 160                                     | 2900       | 7.0     | - |
| BTD180D05             | 9                                  | 3/8" BSP                     | 160                                     | 2100       | 8.0     | - |
| BTD198D05             | 9                                  | 3/8" BSP                     | 160                                     | 2100       | 9.8     | - |

Giro a derechas /Clockwise / Rotation droite /Gira a destra



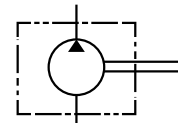


### Gr. II Bomba engranaje/Tapa eur/eje cónico 1:8 / Brida roscada

Gr.II Gear pump/Eur.flange/Tapered shaft 1:8 /Threaded Side ports type

Gr.II Pompe engrenage/Flasque Eur./Arbre conique 1:8/ Asp. et Ref type Taraudée

Gr. II Pompe ingranaggi/flangia Eur./albero conico 1:8 /attacchi filettati



| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION<br>Ø ASPIRACION | Ø PRESSURE<br>Ø PRESION | MAXIMUM PRESSURE (Bar)<br>PRESION MAX. (Bar) | R.P.M. Max | cm <sup>3</sup> /rev | € |
|-------------------------------|--------------------------------|------------------------------|-------------------------|----------------------------------------------|------------|----------------------|---|
| BTD240D01                     | BTD240I01                      | 1/2" BSP                     | 1/2" BSP                | 250                                          | 3500       | 4                    | - |
| BTD260D01                     | BTD260I01                      | 1/2" BSP                     | 1/2" BSP                | 250                                          | 3500       | 6                    | - |
| BTD280D01                     | BTD280I01                      | 1/2" BSP                     | 1/2" BSP                | 250                                          | 3500       | 8                    | - |
| BTD2100D01                    | BTD2100I01                     | 1/2" BSP                     | 1/2" BSP                | 250                                          | 3500       | 10                   | - |
| BTD2120D01                    | BTD2120I01                     | 1/2" BSP                     | 1/2" BSP                | 250                                          | 3500       | 12                   | - |
| BTD2140D01                    | BTD2140I01                     | 3/4" BSP                     | 1/2" BSP                | 250                                          | 3500       | 14                   | - |
| BTD2160D01                    | BTD2160I01                     | 3/4" BSP                     | 1/2" BSP                | 250                                          | 3500       | 16                   | - |
| BTD2200D01                    | BTD2200I01                     | 3/4" BSP                     | 1/2" BSP                | 250                                          | 3500       | 20                   | - |
| BTD2230D01                    | BTD2230I01                     | 3/4" BSP                     | 1/2" BSP                | 200                                          | 3000       | 23                   | - |
| BTD2250D01                    | BTD2250I01                     | 3/4" BSP                     | 1/2" BSP                | 200                                          | 3000       | 25                   | - |
| BTD2280D01                    | BTD2280I01                     | 3/4" BSP                     | 1/2" BSP                | 160                                          | 3000       | 28                   | - |
| BTD2300D01                    | BTD2300I01                     | 3/4" BSP                     | 1/2" BSP                | 160                                          | 3000       | 30                   | - |

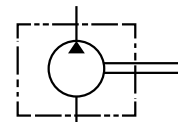


### Gr. II Bomba engranaje/Tapa eur/eje cónico 1:8 / Brida europea

Gr.II Gear pump/Eur.flange/Tapered shaft 1:8 /Side ports type Eur.

Gr.II Pompe engrenage/Flasque Eur./Arbre conique 1:8/ Asp. et Ref type Eur.

Gr. II Pompe ingranaggi/flangia Eur./albero conico 1:8 /attacchi Europeo



| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACION (mm) | Ø PRESSURE (mm)<br>Ø PRESION (mm) | MAXIMUM PRESSURE (Bar)<br>PRESION MAX. (Bar) | R.P.M. Max | cm <sup>3</sup> /rev | € |
|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|----------------------------------------------|------------|----------------------|---|
| BTD240D02                     | BTD240I02                      | 30                                     | 30                                | 250                                          | 3500       | 4                    | - |
| BTD260D02                     | BTD260I02                      | 30                                     | 30                                | 250                                          | 3500       | 6                    | - |
| BTD280D02                     | BTD280I02                      | 30                                     | 30                                | 250                                          | 3500       | 8                    | - |
| BTD2100D02                    | BTD2100I02                     | 30                                     | 30                                | 250                                          | 3500       | 10                   | - |
| BTD2120D02                    | BTD2120I02                     | 30                                     | 30                                | 250                                          | 3500       | 12                   | - |
| BTD2140D02                    | BTD2140I02                     | 40                                     | 30                                | 250                                          | 3500       | 14                   | - |
| BTD2160D02                    | BTD2160I02                     | 40                                     | 30                                | 250                                          | 3500       | 16                   | - |
| BTD2200D02                    | BTD2200I02                     | 40                                     | 30                                | 250                                          | 3500       | 20                   | - |
| BTD2230D02                    | BTD2230I02                     | 40                                     | 30                                | 200                                          | 3000       | 23                   | - |
| BTD2250D02                    | BTD2250I02                     | 40                                     | 30                                | 200                                          | 3000       | 25                   | - |
| BTD2280D02                    | BTD2280I02                     | 40                                     | 30                                | 160                                          | 3000       | 28                   | - |
| BTD2300D02                    | BTD2300I02                     | 40                                     | 30                                | 160                                          | 3000       | 30                   | - |

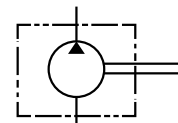


### Gr. II Bomba engranaje/Tapa Bosch/eje cónico 1:5 / Brida alemana

Gr. II Gear pump/Bosch flange/Tapered shaft 1:5 /Side ports German type

Gr.II Pompe engrenage/Flasque Bosch/Arbre conique 1:5/ Asp. et Ref type Allemande

Gr. II Pompe ingranaggi/flangia Bosch/albero conico 1:5 /attacchi Bosch



| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACION (mm) | Ø PRESSURE (mm)<br>Ø PRESION (mm) | MAXIMUM PRESSURE (Bar)<br>PRESION MAX. (Bar) | R.P.M. Max | cm <sup>3</sup> /rev | € |
|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|----------------------------------------------|------------|----------------------|---|
| BTD260D04                     | BTD260I04                      | 40                                     | 35                                | 250                                          | 3500       | 6                    | - |
| BTD280D04                     | BTD280I04                      | 40                                     | 35                                | 250                                          | 3500       | 8                    | - |
| BTD2120D04                    | BTD2120I04                     | 40                                     | 35                                | 250                                          | 3500       | 12                   | - |
| BTD2140D04                    | BTD2140I04                     | 40                                     | 35                                | 250                                          | 3500       | 14                   | - |
| BTD2160D04                    | BTD2160I04                     | 40                                     | 35                                | 250                                          | 3500       | 16                   | - |
| BTD2200D04                    | BTD2200I04                     | 40                                     | 35                                | 250                                          | 3500       | 20                   | - |
| BTD2230D04                    | BTD2230I04                     | 40                                     | 35                                | 200                                          | 3000       | 23                   | - |
| BTD2250D04                    | BTD2250I04                     | 40                                     | 35                                | 200                                          | 3000       | 25                   | - |
| BTD2280D04                    | BTD2280I02                     | 40                                     | 30                                | 160                                          | 3000       | 28                   | - |

## BOMBAS DE ENGRANAJES

Gear pumps  
Pompes à engrenages  
Pompe a ingranaggi

**TrAle®**

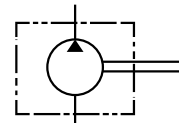


### Gr.III Bombas engranaje/Tapa eur/eje conico 1:8 brida roscada

Gr.III Gear pump/Eur.flange/Tapered shaft 1:8 /Side ports type threaded

Gr.III Pompe engrenage/Flasque eur./Arbre conique 1:8 /Asp.et Ref. taraudée

Gr. III Pompe ingranaggi/flangia Eur./albero conico 1:8 / attacchi filettati



| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION<br>Ø ASPIRACIÓN | Ø PRESSURE<br>Ø PRESIÓN | MAXIMUM PRESSURE (Bar)<br>PRESIÓN MAX. (Bar) | R.P.M. Max | cm³/rev | € |
|-------------------------------|--------------------------------|------------------------------|-------------------------|----------------------------------------------|------------|---------|---|
| BTD3220D01                    | BTD3220I01                     | 3/4" BSP                     | 3/4" BSP                | 200                                          | 3000       | 22      | - |
| BTD3260D01                    | BTD3260I01                     | 3/4" BSP                     | 3/4" BSP                | 200                                          | 3000       | 26      | - |
| BTD3280D01                    | BTD3280I01                     | 1" BSP                       | 3/4" BSP                | 200                                          | 3000       | 28      | - |
| BTD3320D01                    | BTD3320I01                     | 1" BSP                       | 3/4" BSP                | 200                                          | 3000       | 32      | - |
| BTD3360D01                    | BTD3360I01                     | 1" BSP                       | 3/4" BSP                | 200                                          | 3000       | 36      | - |
| BTD3420D01                    | BTD3420I01                     | 1" BSP                       | 3/4" BSP                | 200                                          | 2800       | 42      | - |
| BTD3460D01                    | BTD3460I01                     | 1" BSP                       | 3/4" BSP                | 200                                          | 2400       | 46      | - |
| BTD3500D01                    | BTD3500I01                     | 1" BSP                       | 3/4" BSP                | 200                                          | 2400       | 50      | - |
| BTD3550D01                    | BTD3550I01                     | 1" BSP                       | 3/4" BSP                | 200                                          | 2400       | 55      | - |

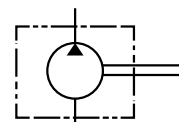


### Gr.III Bombas engranaje/Tapa eur/eje cónico 1:8 brida europea

Gr.III Gear pump/Eur.flange/Tapered shaft 1:8 /Side ports type Eur.

Gr.III Pompe engrenage/Flasque eur./Arbre conique 1:8 /Asp.et Ref. type Eur.

Gr. III Pompe ingranaggi/flangia Eur./albero conico 1:8 / attacchi Europeo



| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACIÓN (mm) | Ø PRESSURE (mm)<br>Ø PRESIÓN (mm) | MAX. PEAK PRESSURE (Bar)<br>PRESIÓN PUNTA (Bar) | R.P.M. Max | cm³/rev | € |
|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|-------------------------------------------------|------------|---------|---|
| BTD3220D02                    | BTD3220I02                     | 40                                     | 40                                | 250                                             | 3000       | 22      | - |
| BTD3260D02                    | BTD3260I02                     | 40                                     | 40                                | 250                                             | 3000       | 26      | - |
| BTD3280D02                    | BTD3280I02                     | 40                                     | 40                                | 250                                             | 3000       | 28      | - |
| BTD3340D02                    | BTD3340I02                     | 50                                     | 40                                | 250                                             | 3000       | 34      | - |
| BTD3390D02                    | BTD3390I02                     | 50                                     | 40                                | 250                                             | 3000       | 39      | - |
| BTD3430D02                    | BTD3430I02                     | 50                                     | 40                                | 250                                             | 2800       | 43      | - |
| BTD3460D02                    | BTD3460I02                     | 50                                     | 40                                | 250                                             | 2400       | 46      | - |
| BTD3510D02                    | BTD3510I02                     | 50                                     | 40                                | 250                                             | 2400       | 51      | - |
| BTD3550D02                    | BTD3550I02                     | 50                                     | 40                                | 250                                             | 2400       | 55      | - |

### Kit juntas Bomba BTB

BTB pump joints kit

Kit joints pompe BTB

Kit guarnizioni Pompa BTB



|     | Part n°<br>Referencia | GROUP<br>GRUPO                | MATERIAL | € |
|-----|-----------------------|-------------------------------|----------|---|
| NEW | JRBDT1-05             | MIn power packs / Minicentral | FKM      | - |
|     | JRBDT1                | 1                             | FKM      | - |
|     | JRBDT2                | 2                             | NBR      | - |
|     | JRBDT3                | 3                             | NBR      | - |
|     | JRVBDT2-N             | 2                             | FKM      | - |
|     | JRVBDT3               | 3                             | FKM      | - |

### Codo 90° para brida Europea con 3 agujeros de fijación

90° Elbow for European flange with 3 fixing holes

Coude 90° pour bride Européenne avec 3 trous de fixation

Flangia 90° per attacco Europeo a 3 fori



|  | Part n°<br>Referencia | THREAD<br>ROSCA | SCREWS THREAD<br>ROSCA TORNILLOS | DISTANCE BETWEEN SCREWS<br>DISTANCIA ENTRE TORNILLOS | € |
|--|-----------------------|-----------------|----------------------------------|------------------------------------------------------|---|
|  | RP901038M             | 3/8" BSP        | M6X20* x3 uds                    | 30mm                                                 | - |
|  | RP901012M             | 1/2" BSP        | M6X20* x3 uds                    | 30mm                                                 | - |
|  | RP902012M             | 1/2" BSP        | M8X25* x3 uds                    | 40mm                                                 | - |
|  | RP902034M             | 3/4" BSP        | M8X25* x3 uds                    | 40mm                                                 | - |
|  | RP903A034M            | 3/4" BSP        | M10X30* x3 uds                   | 51mm                                                 | - |
|  | RP903A100M            | 1" BSP          | M10X30* x3 uds                   | 51mm                                                 | - |

\*Rosca Métrica de los tornillos / \*The Metric thread of the screws / \*Filetage Métrique des vis / \*Filetto metrico dei bulloni

### Brida recta

Straight flange

Bride droite

Flangia diritta



|  | Part n°<br>Referencia | THREAD<br>ROSCA | SCREWS THREAD<br>ROSCA TORNILLOS | Ø  | € |
|--|-----------------------|-----------------|----------------------------------|----|---|
|  | RPI1M                 | 3/8" BSP        | M6X16* x4 uds                    | 30 | - |
|  | RPI2M                 | 1/2" BSP        | M8X20* x4 uds                    | 40 | - |
|  | RPI3AM                | 3/4" BSP        | M10X25* x4 uds                   | 51 | - |

\*Rosca Métrica de los tornillos / \*The Metric thread of the screws / \*Filetage Métrique des vis / \*Filetto metrico dei bulloni

### Codo 90° para brida Bosch con 4 agujeros de fijación

90° Elbow for 4-holes squared shape flange

Coude 90° pour bride 4 trous de fixation forme carré

Flangia 90° per attacco Bosch a 4 fori



|  | Part n°<br>Referencia | THREAD<br>ROSCA | SCREWS THREAD<br>ROSCA TORNILLOS | Ø  | € |
|--|-----------------------|-----------------|----------------------------------|----|---|
|  | GF3590038             | 3/8" BSP        | 2-M6X35 / 2-M6X20*               | 35 | - |
|  | GF3590012             | 1/2" BSP        | 2-M6X35 / 2-M6X20*               | 35 | - |
|  | GF4090012             | 1/2" BSP        | 2-M6X45 / 2-M6X20*               | 40 | - |
|  | GF4090034             | 3/4" BSP        | 2-M6X45 / 2-M6X20*               | 40 | - |

\*Rosca Métrica de los tornillos / \*The Metric thread of the screws / \*Filetage Métrique des vis / \*Filetto metrico dei bulloni

### Chavetas

Key

Clavette

Chiavette



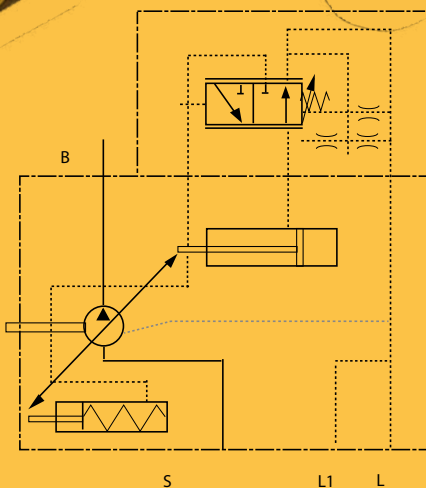
|  | Part n°<br>Referencia | TAPERED 1:8 SHAFT SIZE GROUP<br>GRUPO EJE 1:8 | € |
|--|-----------------------|-----------------------------------------------|---|
|  | CVTBDT1               | 1                                             | - |
|  | CVTBDT2               | 2                                             | - |
|  | CVTBDT3               | 3                                             | - |

**TrΔle®**

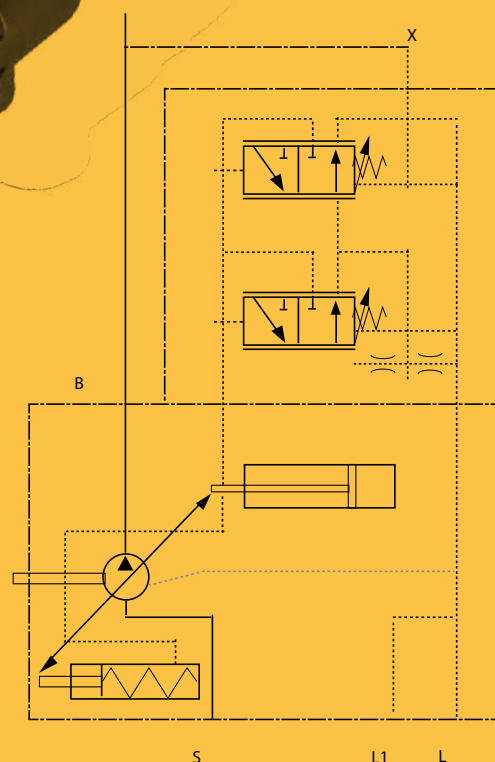
# BOMBAS DE CAUDAL VARIABLE

**VARIABLE FLOW PUMPS**

- ✓ Ajusta la cilindrada y ahorra energía
- ✓ Presión máxima de hasta 350 bar
- ✓ Reduce la contaminación acústica
- ✓ Adjustable displacement for energy saving
- ✓ Maximum pressure up to 350 bar
- ✓ Reduce the noise level



**DR**



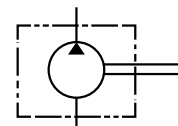
**DFR**





### Bombas de pistones

Piston pumps  
Pompe à pistons  
Pompe a pistoni



| Part n°<br>Referencia | THREAD<br>ROSCA | Working Pressure (bar)<br>Presión trabajo (bar) | Max. Press. (bar)<br>Pres. max. (bar) | Max. torque (N.m 350Bar)<br>PAR max.(N.m 350Bar) | Rotation speed (rpm)<br>Velocidad rotación (RPM) | cm³ / rev | € |
|-----------------------|-----------------|-------------------------------------------------|---------------------------------------|--------------------------------------------------|--------------------------------------------------|-----------|---|
| BPT12                 | 3/4" BSP        | 380                                             | 420                                   | 76                                               | 2900                                             | 12        | - |
| BPT18                 | 3/4" BSP        | 380                                             | 420                                   | 114                                              | 2900                                             | 18        | - |
| BPT25                 | 3/4" BSP        | 380                                             | 420                                   | 159                                              | 2750                                             | 25        | - |
| BPT32                 | 3/4" BSP        | 380                                             | 420                                   | 204                                              | 2700                                             | 32        | - |
| BPT40                 | 3/4" BSP        | 380                                             | 420                                   | 261                                              | 2550                                             | 40        | - |
| BPT50                 | 3/4" BSP        | 380                                             | 420                                   | 318                                              | 2450                                             | 50        | - |
| BPT63                 | 3/4" BSP        | 380                                             | 420                                   | 401                                              | 2300                                             | 63        | - |
| BPT80                 | 1" BSP          | 380                                             | 420                                   | 509                                              | 2150                                             | 80        | - |
| BPT108                | 1" BSP          | 380                                             | 420                                   | 687                                              | 1900                                             | 108       | - |
| BPT130                | 1" BSP          | 380                                             | 420                                   | 827                                              | 1750                                             | 130       | - |

### Kit Juntas Bomba BPT Pistones

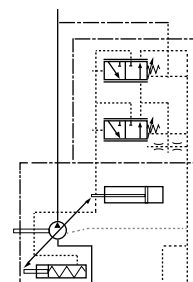
Kit Gaskets Pump BPT Pistons  
Kit Joints Pompe BPT Pistons  
Kit Guarnizioni Pompa Pistoni BPT



| Part n°<br>Referencia | MATERIAL | € |
|-----------------------|----------|---|
| JRBPT                 | NBR      | - |

### Bombas de caudal variable DFR

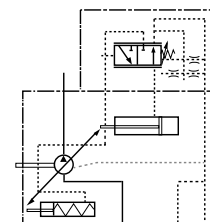
DFR Variable flow pumps  
Pompes à débit variable DFR  
Pompe a portata variabile DFR



| Part n°<br>Referencia | Ø ASPIRATION<br>Ø ASPIRACIÓN | Ø PRESSURE<br>Ø PRESIÓN | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | MAX. TORQUE (Nm)<br>PAR max (Nm) | Max. RPM | DISPLACEMENT (cm³/rev)<br>CILINDRADA (cm³/rev) | € |
|-----------------------|------------------------------|-------------------------|----------------------------------------------|----------------------------------|----------|------------------------------------------------|---|
| BPCV71DFR0101         | 2" 3000 psi                  | 1" 3000 psi             | 280                                          | 316                              | 2200     | 71                                             | - |
| NEW BPCV71DFR0102     | 2" 3000 psi                  | 1" 3000 psi             | 280                                          | 316                              | 2200     | 71                                             | - |
| NEW BPCV71DFR0202     | 2" 3000 psi                  | 1" 3000 psi             | 280                                          | 316                              | 2200     | 71                                             | - |
| BPCV45DFR0101         | 1" 1/2 3000 psi              | 1" 3000 psi             | 280                                          | 200                              | 2600     | 45                                             | - |
| NEW BPCV45DFR0102     | 1" 1/2 3000 psi              | 1" 3000 psi             | 280                                          | 200                              | 2600     | 45                                             | - |
| NEW BPCV45DFR0202     | 1" 1/2 3000 psi              | 1" 3000 psi             | 280                                          | 200                              | 2600     | 45                                             | - |
| BPCV28DFR0101         | 1" 1/4 3000PSI               | 3/4" 3000 PSI           | 280                                          | 125                              | 3000     | 28                                             | - |
| NEW BPCV28DFR0102     | 1" 1/4 3000PSI               | 3/4" 3000 PSI           | 280                                          | 125                              | 3000     | 28                                             | - |
| NEW BPCV28DFR0202     | 1" 1/4 3000PSI               | 3/4" 3000 PSI           | 280                                          | 125                              | 3000     | 28                                             | - |

### Bombas de caudal variable DR

DR Variable flow pumps  
Pompes à débit variable DR  
Pompe a portata variabile DR



| Part n°<br>Referencia | Ø ASPIRATION<br>Ø ASPIRACIÓN | Ø PRESSURE<br>Ø PRESIÓN | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | MAX. TORQUE (Nm)<br>PAR max (Nm) | Max. RPM | DISPLACEMENT (cm³/rev)<br>CILINDRADA (cm³/rev) | € |
|-----------------------|------------------------------|-------------------------|----------------------------------------------|----------------------------------|----------|------------------------------------------------|---|
| BPCV28DR0101          | 1" 1/4 3000PSI               | 3/4" 3000PSI            | 280                                          | 125                              | 3000     | 28                                             | - |
| NEW BPCV28DR0202      | 1" 1/4 3000PSI               | 3/4" 3000PSI            | 280                                          | 125                              | 3000     | 28                                             | - |
| BPCV45DR0101          | 1" 1/4 3000PSI               | 3/4" 3000PSI            | 280                                          | 200                              | 2600     | 45                                             | - |
| NEW BPCV45DR0202      | 1" 1/4 3000PSI               | 3/4" 3000PSI            | 280                                          | 200                              | 2600     | 45                                             | - |
| BPCV71DR0101          | 1" 1/4 3000PSI               | 3/4" 3000PSI            | 280                                          | 316                              | 2200     | 71                                             | - |
| NEW BPCV71DR0202      | 1" 1/4 3000PSI               | 3/4" 3000PSI            | 280                                          | 316                              | 2200     | 71                                             | - |

# BOMBAS DE PISTONES

Piston pumps  
Pompes à pistons  
Pompe a pistoni

TrAle®

NEW



## Accesorios bombas caudal variable

Variable flow pumps accessories

Accessoires pour pompe à débit variable

Accessori per pompa a portata variabile

| Part n°<br>Referencia | Details<br>Detalles                                                             | € |
|-----------------------|---------------------------------------------------------------------------------|---|
| <b>CONTROLDFR</b>     | CONTROL PRESION/CAUDAL LS BOMBA BPCV / PRESSURE/FLOW CONTROL LS PUMP BPCV       | - |
| <b>GRBPCV28</b>       | GRUPO ROTOR COMPLETO BPCV28DR/DFR / COMPLETE ROTOR GROUP BPCV28DR/DFR           | - |
| <b>JRBPCV28</b>       | JUEGO JUNTAS BPCV28DR/DFR INTERIORES / BPCV28DR/DFR INNER GASKET SET            | - |
| <b>RBPCV28</b>        | RETÉN BPCV28DR/DFR / OIL SEAL BPCV28DR/DFR                                      | - |
| <b>PLBPCV28D</b>      | PLATO BASCUL. DCHAS. BPCV28DR/DFR / SWING PLATE. RIGHTS. BPCV28DR/DFR           | - |
| <b>PISTABPCV28</b>    | PISTA PLATO BASCUL. BPCV28DR/DFR / SWING PLATE TRACK. BPCV28DR/DFR              | - |
| <b>KITPISBPCV28</b>   | JUEGO PISTONES BPCV28DR/DFR (9) / PISTON SET BPCV28DR/DFR (9)                   | - |
| <b>BPBPCV28</b>       | BLOQUE PISTONES BPCV28DR/DFR / PISTON BLOCK BPCV28DR/DFR                        | - |
| <b>PDISTBPCV28D</b>   | PLACA DISTRIBUIDORA DCHAS. BPCV28DR/DFR / RIGHT DISTRIBUTOR PLATE. BPCV28DR/DFR | - |
| <b>PPISTBPCV28</b>    | PLACA PISTONES BPCV28DR/DFR / PISTON PLATE BPCV28DR/DFR                         | - |
| <b>CAZOLETABPCV28</b> | CAZOLETA BPCV28DR/DFR / BOWL BPCV28DR/DFR                                       | - |
| <b>AGUJASBPCV28</b>   | AGUJAS BPCV28DR/DFR (3) / NEEDLES BPCV28DR/DFR (3)                              | - |
| <b>GRBPCV45</b>       | GRUPO ROTOR COMPLETO BPCV45DR/DFR / COMPLETE ROTOR GROUP BPCV45DR/DFR           | - |
| <b>PLBPCV45D</b>      | PLATO BASCUL. DCHAS. BPCV45DR/DFR / SWING PLATE. RIGHTS. BPCV45DR/DFR           | - |
| <b>RBPCV45</b>        | RETÉN BPCV45DR/DFR / OIL SEAL BPCV45DR/DFR                                      | - |
| <b>JRBPCV45</b>       | JUEGO JUNTAS BPCV45DR/DFR INTERIORES / BPCV45DR/DFR INNER GASKET SET            | - |
| <b>PISTABPCV45</b>    | PISTA PLATO BASCUL. BPCV45DR/DFR / SWING PLATE TRACK. BPCV45DR/DFR              | - |
| <b>KITPISBPCV45</b>   | JUEGO PISTONES BPCV45DR/DFR (9) / PISTON SET BPCV45DR/DFR (9)                   | - |
| <b>BPBPCV45</b>       | BLOQUE PISTONES BPCV45DR/DFR / PISTON BLOCK BPCV45DR/DFR                        | - |
| <b>PDISTBPCV45D</b>   | PLACA DISTRIBUIDORA DCHAS. BPCV45DR/DFR / RIGHT DISTRIBUTOR PLATE. BPCV45DR/DFR | - |
| <b>PPISTBPCV45</b>    | PLACA PISTONES BPCV45DR/DFR / PISTON PLATE BPCV45DR/DFR                         | - |
| <b>CAZOLETABPCV45</b> | CAZOLETA BPCV45DR/DFR / BOWL BPCV45DR/DFR                                       | - |
| <b>AGUJASBPCV45</b>   | AGUJAS BPCV45DR/DFR (3) / NEEDLES BPCV45DR/DFR (3)                              | - |
| <b>GRBPCV71</b>       | COMPLETE ROTOR GROUP BPCV45DR/DFR / COMPLETE ROTOR GROUP BPCV45DR/DFR           | - |
| <b>PLBPCV71D</b>      | PLATO BASCUL. DCHAS. BPCV71DR/DFR / SWING PLATE. RIGHTS. BPCV71DR/DFR           | - |
| <b>JRBPCV71</b>       | JUEGO JUNTAS BPCV71DR/DFR INTERIORES / BPCV71DR/DFR INTERIOR GASKET SET         | - |
| <b>RBPCV71</b>        | RETÉN BPCV71DR/DFR / OIL SEAL BPCV71DR/DFR                                      | - |
| <b>PISTABPCV71</b>    | PISTA PLATO BASCUL. BPCV71DR/DFR / SWING PLATE TRACK. BPCV71DR/DFR              | - |
| <b>KITPISBPCV71</b>   | JUEGO PISTONES BPCV71DR/DFR (9) / PISTON SET BPCV71DR/DFR (9)                   | - |
| <b>BPBPCV71</b>       | BLOQUE PISTONES BPCV71DR/DFR / PISTON BLOCK BPCV71DR/DFR                        | - |
| <b>PDISTBPCV71D</b>   | PLACA DISTRIBUIDORA DCHAS. BPCV71DR/DFR / RIGHT DISTRIBUTOR PLATE. BPCV71DR/DFR | - |
| <b>PPISTBPCV71</b>    | PLACA PISTONES BPCV71DR/DFR / PISTON PLATE BPCV71DR/DFR                         | - |
| <b>CAZOLETABPCV71</b> | CAZOLETA BPCV71DR/DFR / BOWL BPCV71DR/DFR                                       | - |
| <b>AGUJASBPCV71</b>   | AGUJAS BPCV71DR/DFR (3) / NEEDLES BPCV71DR/DFR (3)                              | - |



|                                                                                                                               |           |
|-------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>DISTRIBUIDORES</b>                                                                                                         | <b>18</b> |
| Control valves<br>Distributeurs<br>Distributori                                                                               |           |
| <b>EMPUÑADURAS</b>                                                                                                            | <b>31</b> |
| Joysticks<br>Poignées<br>Impugnatura                                                                                          |           |
| <b>SELECTORAS</b>                                                                                                             | <b>32</b> |
| Diverter valves<br>Déviateurs<br>Valvola deviatrice                                                                           |           |
| <b>ELECTROVÁLVULAS APILABLES</b>                                                                                              | <b>34</b> |
| Stackable solenoid valves<br>Électrovannes empilables<br>Elettrovalvole modulari                                              |           |
| <b>ELECTROVÁLVULAS</b>                                                                                                        | <b>37</b> |
| Solenoid valves<br>Électro-distributeurs<br>Elettrovalvole                                                                    |           |
| <b>VÁLVULAS HIDRÁULICAS</b>                                                                                                   | <b>61</b> |
| Hydraulic valves<br>Valves hydrauliques<br>Valvole idrauliche                                                                 |           |
| <b>DIVISORES DE CAUDAL DE ENGRANAJES</b>                                                                                      | <b>73</b> |
| Gear flow dividers<br>Diviseurs de débit à engrenage<br>Deviatori di flusso a ingranaggi                                      |           |
| <b>PRESOSTATOS</b>                                                                                                            | <b>75</b> |
| Pressure switch<br>Pressostats<br>Pressostati                                                                                 |           |
| <b>TRANSDUCTORES DE PRESIÓN Y TEMPERATURA</b>                                                                                 | <b>76</b> |
| Pressure and temperature transducers<br>Transducteurs de pression et de température<br>Trasduttori di pressione e temperatura |           |

A collection of hydraulic control components, including two conical poppets, a valve body with multiple ports, and a solenoid valve with a black handle, all set against a light purple background.

# 02

## **ELEMENTOS DE CONTROL**

Control components

Éléments de contrôle

Elementi di controllo



## DISTRIBUIDORES

Control valves  
Distributeurs  
Distributori

TrAle®

### Distribuidor 3/8" BSP, 45L, acc. palanca y retorno por muelle a posición central. Limit.

Control valve 3/8 BSP, 45L/MIN, handle operated and return to center by spring. Relief valve

Distributeur 3/8 BSP, 45L/min, commande manuelle, retour au centre par ressort. Limit. press.

Distributore 3/8 BSP, 45 lt./min., azion. a leva e ritorno a molla. Valv. Di max

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | N° LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|--------------------------|---|
| YFM35/1 3/8 1P DE     | 3/8" BSP        | 45                                       | 315                                       | 1                        | - |
| YFM35/1 3/8 1P SE     | 3/8" BSP        | 45                                       | 315                                       | 1                        | - |
| YFM35/2 3/8 2P DD     | 3/8" BSP        | 45                                       | 315                                       | 2                        | - |
| YFM35/2 3/8 2P DS     | 3/8" BSP        | 45                                       | 315                                       | 2                        | - |
| YFM35/3 3/8 3P DDD    | 3/8" BSP        | 45                                       | 315                                       | 3                        | - |
| YFM35/3 3/8 3P DDS    | 3/8" BSP        | 45                                       | 315                                       | 3                        | - |
| YFM35/4 3/8 4P DDDD   | 3/8" BSP        | 45                                       | 315                                       | 4                        | - |
| YFM35/5 3/8 5P DDDDD  | 3/8" BSP        | 45                                       | 315                                       | 5                        | - |
| YFM35/6 3/8 6P DDDDDD | 3/8" BSP        | 45                                       | 315                                       | 6                        | - |

SE/S= Simple efecto, DE/D= Doble efecto / SE/S= Single acting, DE/D= Double acting / SE/S= Simple effet, DE/D= Double effet / SE/S= Semplice effetto, DE/D= Doppio effetto

### Distribuidor 1/2" BSP, 60L, acc. palanca y retorno por muelle a posición central. Limit.

Control valve 1/2 BSP, 60L/min, handle operated and return to center by spring. Relief valve

Distributeur 1/2 BSP, 60L/min, commande manuelle, retour au centre par ressort. Limit. press.

Distributore 1/2 BSP, 60 lt./min., azion. a leva e ritorno a molla. Valv. Di max

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | N° LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|--------------------------|---|
| YFM55/1 1/2 1P DE     | 1/2" BSP        | 60                                       | 315                                       | 1                        | - |
| YFM55/1 1/2 1P SE     | 1/2" BSP        | 60                                       | 315                                       | 1                        | - |
| YFM55/2 1/2 2P DD     | 1/2" BSP        | 60                                       | 315                                       | 2                        | - |
| YFM55/2 1/2 2P DS     | 1/2" BSP        | 60                                       | 315                                       | 2                        | - |
| YFM55/2 1/2 2P SS     | 1/2" BSP        | 60                                       | 315                                       | 2                        | - |
| YFM55/3 1/2 3P DDD    | 1/2" BSP        | 60                                       | 315                                       | 3                        | - |
| YFM55/3 1/2 3P DDS    | 1/2" BSP        | 60                                       | 315                                       | 3                        | - |
| YFM55/4 1/2 4P DDDD   | 1/2" BSP        | 60                                       | 315                                       | 4                        | - |
| YFM55/5 1/2 5P DDDDD  | 1/2" BSP        | 60                                       | 315                                       | 5                        | - |
| YFM55/6 1/2 6P DDDDDD | 1/2" BSP        | 60                                       | 315                                       | 6                        | - |

SE/S= Simple efecto, DE/D= Doble efecto / SE/S= Single acting, DE/D= Double acting / SE/S= Simple effet, DE/D= Double effet / SE/S= Semplice effetto, DE/D= Doppio effetto

### Distribuidor 1" BSP, 120L, acc. palanca y retorno por muelle a posición central. Limit.

Control valve 1" BSP, 120L/min, handle operated and return to center by spring. Relief valve

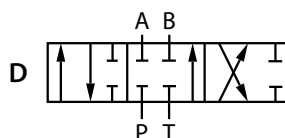
Distributeur 1" BSP, 120L/min, commande manuelle, retour au centre par ressort. Limit. press.

Distributore 1" BSP, 120 lt./min., azion. a leva e ritorno a molla. Valv. Di max

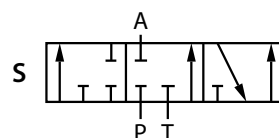
| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | N° LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|--------------------------|---|
| YFM120/1 1 1P DE      | 1" BSP          | 120                                      | 250                                       | 1                        | - |
| YFM120/1 1 1P SE      | 1" BSP          | 120                                      | 250                                       | 1                        | - |
| YFM120/2 1 2P DD      | 1" BSP          | 120                                      | 250                                       | 2                        | - |
| YFM120/2 1 2P DS      | 1" BSP          | 120                                      | 250                                       | 2                        | - |

SE/S= Simple efecto, DE/D= Doble efecto. Para otros caudales consultar Serie TrAle- GreenLine. / SE/S= Single acting, DE/D= Double acting. Consult TrAle- GreenLine Series for other flows. / SE/S= Simple effet, DE/D= Double effet. Pour d'autres débits, consultez Serie TrAle- GreenLine. / SE/S= Semplice effetto, DE/D= Doppio effetto. Consultare la serie TrAle- GreenLine per altri flussi.

Doble efecto / Double acting



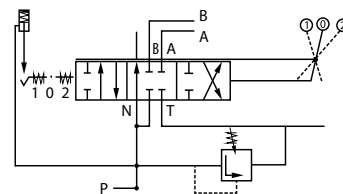
Simple efecto / Single acting





### Distribuidor 1/2" BSP, 80L, cort.leña doble efecto

Control valve 1/2 BSP, 80l/min - log splitter double acting  
Distributeur 1/2 BSP, 80l/min, fendeuse à bois double effet  
Distributore 1/2 BSP, 80 lt./min., taglia legna a doppio effetto

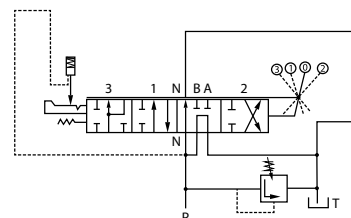


| Part n°<br>Referencia | A/B      | P/T      | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------|----------|------------------------------------------|-------------------------------------------|---|
| YFM80/1DECL           | 1/2" BSP | 3/4" BSP | 80                                       | 250                                       | - |



### Distribuidor 1/2" BSP, 80L, cort.leña tipo regenerativo

Control valve 1/2 BSP, 80l/min - log splitter regenerative type  
Distributeur 1/2 BSP, 80L/min, fendeuse à bois type regeneratif  
Distributore 1/2 BSP, 80 lt./min., tipo rigenerativo

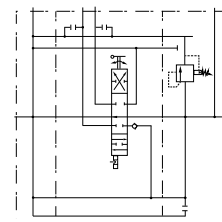


| Part n°<br>Referencia | A/B      | P/T      | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------|----------|------------------------------------------|-------------------------------------------|---|
| YFM80/1DECL4P         | 1/2" BSP | 3/4" BSP | 80                                       | 250                                       | - |



### Distribuidor rotativo 1" BSP, 240L, corr.motor, Limit.

Rotary control valve 1" BSP, 240l/min, open center a/w R.V.  
Distributeur rotatif 1" BSP, 240l/min, centre ouvert, avec LP  
Distributore rotativo 1" BSP, 240 lt., curs. motore, valv. max



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| YFM240/1 M ROT        | 1" BSP          | 240                                      | 315                                       | - |

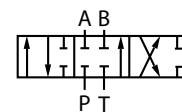
## DISTRIBUIDORES

Control valves  
Distributeurs  
Distributori

**TrAle®**

### Corredera doble efecto YFM

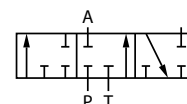
YFM Closed center spool  
Tiroir centre fermé YFM  
Cursore doppio effetto YFM



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM35CORDE            | YFM 35                        | - |
| YFM55CORDE            | YFM 55                        | - |

### Corredera simple efecto YFM

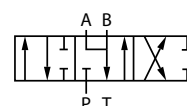
YFM Single acting spool  
Tiroir simple effet YFM  
Cursore semplice effetto YFM



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM35CORSE            | YFM 35                        | - |
| YFM55CORSE            | YFM 55                        | - |

### Corredera motor YFM

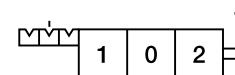
YFM Open center spool  
Tiroir centre ouvert YFM  
Cursore motore YFM



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM35CORM             | YFM 35                        | - |
| YFM55CORM             | YFM 55                        | - |

### Accionamiento 3 posiciones enclavadas

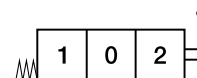
3 positions detent spool control  
Actionnement 3 positions cranté  
Azionamento 3 posizioni con detent



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM35001              | YFM 35                        | - |
| YFM55001              | YFM 55                        | - |
| YFM00002              | YFM120                        | - |

### Accionamiento muelle standard

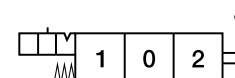
Standard spring spool control  
Actionnement ressort standard  
Azionamento molla standard



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM35002              | YFM 35                        | - |
| YFM55002              | YFM 55                        | - |

### Accionamiento 3 posiciones enclavado central muelle

3 positions spool control detent center spring  
Actionnement 3 positions cranté centre ressort  
Azionamento 3 posizioni, Blocco pos. 2, centrale a molla

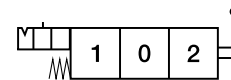


| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM35003              | YFM 35                        | - |
| YFM55003              | YFM 55                        | - |



### Accionamiento 3 posiciones muelle central enclavado

3 positions center spool center spring locked  
Actionnement 3 positions ressort central cranté  
Azionamento 3 posizioni, Blocco pos. 1, centrale a molla

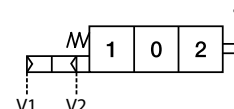


| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM35004              | YFM35                         | - |
| YFM55004              | YFM 55                        | - |



### Accionamiento neumático

Pneumatic spool control  
Actionnement pneumatique  
Azionamento pneumatico

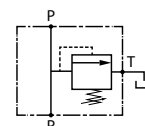


| Part n°<br>Referencia | THREAD<br>ROSCA | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-----------------|-------------------------------|---|
| YFM35010              | 1/8" BSP        | YFM 35                        | - |
| YFM55009              | 1/8" BSP        | YFM 55                        | - |



### Válvulas limitadoras YFM35

YFM35 Relief valves  
Limiteurs de pression YFM35  
Valvole di regolazione pressione YFM35

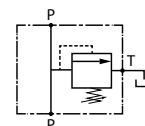


| Part n°<br>Referencia | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-------------------------------------|---|
| YFM35008              | 40-80                               | - |
| YFM35013              | 60-200                              | - |
| YFM35009              | 160-315                             | - |



### Válvulas limitadoras YFM55

YFM55 Relief valves  
Limiteurs de pression YFM55  
Valvole di regolazione pressione YFM55



| Part n°<br>Referencia | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-------------------------------------|---|
| YFM55005              | 40-80                               | - |
| YFM55008              | 160-315                             | - |



### Racor continuación presión

Carry over plug / fitting  
Bouchon/ raccord centre à suivre  
Continuazione pressione (carry over)

| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM35005              | YFM 35/55 YE45 YEM45          | - |
| YFM00006              | YFM120                        | - |
| YFM00008              | YEMC50                        | - |

YFM00006 foto superior y YFM35005 - YFM00008 foto inferior / YFM00006 top photo and YFM35005 - YFM00008 bottom photo / YFM00006 photo du haut y YFM35005 - YFM00008 photo du bas / YFM00006 foto superiore e YFM35005- YFM00008 foto inferiore



## DISTRIBUIDORES

Control valves  
Distributeurs  
Distributori

TrAle®



## Portapalanca

Lever holder  
Porte levier  
Supporti leva

| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM35006              | YFM 35 / YFM 55               | - |
| YFM55006              | YFM 55                        | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento



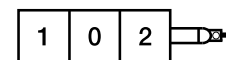
## Palanca

Lever  
Levier  
Leva

| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | THREAD<br>ROSCA | € |
|-----------------------|-------------------------------|-----------------|---|
| YFM35/55 001          | YFM 35 / YFM 55               | 8mm             | - |



## Kit sirga

Cable kit  
Kit Cable  
Kit cavo

| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM35007              | YFM 35                        | - |
| YFM55007              | YFM 55                        | - |



## Palanca Multiple 2 correderas YFM35/55

Joystick on control valve for 2 spools  
Joystick pour 2 tiroirs - montage sur distr.  
Leva multipla a 2 slitte YFM35/55

NEW

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|----------------------------|---|
| YF35/55007            | Joystick 2 spools          | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

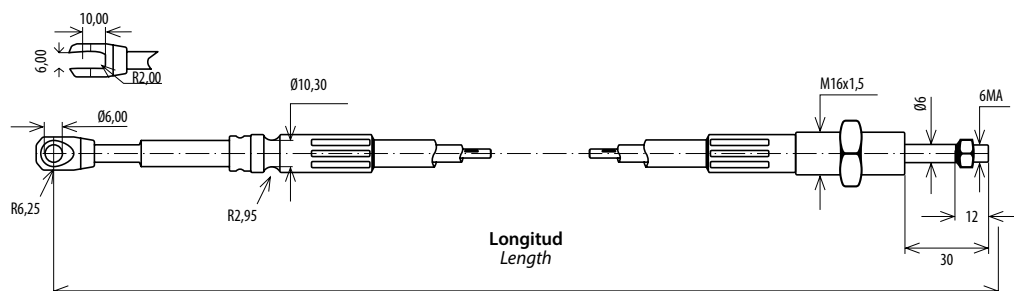
# Accionamientos a distancia

Remote controls

TrΔle

Lado monomando  
Control side

Lado distribuidor  
Control valve side



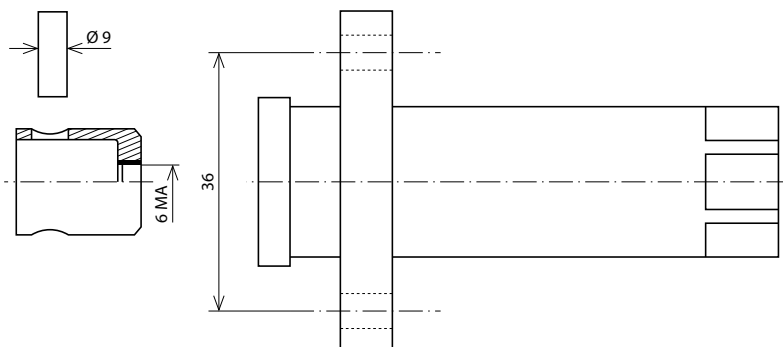
Este enganche sirve para todos nuestros monomandos y joysticks  
It is used for all our controls and joysticks

Sirgas: measures available from 1m to 6m  
Sirgas: medidas disponibles desde 1m a 6m



## Kit montaje cable distribuidor / Cable adapter

| Referencia / Part nº | Marca / Brand | Distribuidor / Control valve |
|----------------------|---------------|------------------------------|
| 801022               | BLB           | FM 35                        |
| 801023               |               | BM 30 / BM 40 / FM 55        |
| 801024               |               | BM 70 / FM 85                |
| 801050               |               | BM 150                       |
| 212042               |               | BM40                         |
| 212065               |               | BM 70                        |
| Kit sirga 102        | Roquet        | 102/1102                     |
| Kit sirga 402        |               | 402                          |
| Kit sirga 406        |               | 406                          |
| 601022               | Hydrocontrol  | HCD2                         |
| 211624               |               | HD3/HCD10                    |
| 211710               |               | HCD2                         |
| 212057               |               | HCD6/HCD16                   |
| 212084               |               | HCD4L                        |
| 212076               | Nimco         | CV452                        |
| 501022               | Walvoil       | SD 4/5 - 16                  |
| 211623               |               | SD 4/5/6                     |
| 212053               |               | SD 10/11/14                  |
| 212059               |               | SD 8                         |
| YFM35007             | TrΔle         | YFM35                        |
| YFM55007             |               | YFM55                        |



Con estos kits, de fácil montaje, se pueden utilizar nuestros cables con todos los distribuidores del mercado.

With these kits, of easy assembly, you can use our cables with all the hydraulic control valves of the market.

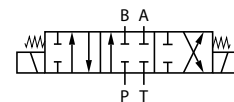
## DISTRIBUIDORES

Control valves  
Distributeurs  
Distributori

TrAie®

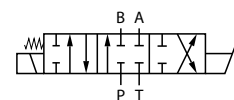


## Distribuidor eléctrico - 3/8

Electric control valve 3/8  
Distributeur électrique 3/8  
Distributore elettrico 3/8

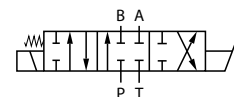
| Part n°<br>Referencia    | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | N° LEVERS<br>N° PALANCAS | € |
|--------------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|--------------------------|---|
| YE45/1 3/8 1P DE         | 3/8" BSP        | 12 VDC                     | 45                                       | 250                                       | 1                        | - |
| YE45/1 3/8 1P DE 24V     | 3/8" BSP        | 24 VDC                     | 45                                       | 250                                       | 1                        | - |
| YE45/2 3/8 2P DD         | 3/8" BSP        | 12 VDC                     | 45                                       | 250                                       | 2                        | - |
| YE45/2 3/8 2P DD 24V     | 3/8" BSP        | 24 VDC                     | 45                                       | 250                                       | 2                        | - |
| YE45/3 3/8 3P DDD        | 3/8" BSP        | 12 VDC                     | 45                                       | 250                                       | 3                        | - |
| YE45/3 3/8 3P DDD 24V    | 3/8" BSP        | 24 VDC                     | 45                                       | 250                                       | 3                        | - |
| YE45/4 3/8 4P DDDD       | 3/8" BSP        | 12 VDC                     | 45                                       | 250                                       | 4                        | - |
| YE45/4 3/8 4P DDDD 24V   | 3/8" BSP        | 24 VDC                     | 45                                       | 250                                       | 4                        | - |
| YE45/5 3/8 5P DDDDD      | 3/8" BSP        | 12 VDC                     | 45                                       | 250                                       | 5                        | - |
| YE45/5 3/8 5P DDDDD 24V  | 3/8" BSP        | 24 VDC                     | 45                                       | 250                                       | 5                        | - |
| YE45/6 3/8 6P DDDDDD     | 3/8" BSP        | 12 VDC                     | 45                                       | 250                                       | 6                        | - |
| YE45/6 3/8 6P DDDDDD 24V | 3/8" BSP        | 24 VDC                     | 45                                       | 250                                       | 6                        | - |

## Distribuidor eléctrico manual - 3/8

Electric manual control valve 3/8  
Distributeur électrique manual 3/8  
Distributore elettrico manuale -3/8

| Part n°<br>Referencia   | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | N° LEVERS<br>N° PALANCAS | € |
|-------------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|--------------------------|---|
| YEM45/1 3/8 1P DE       | 3/8" BSP        | 12 VDC                     | 45                                       | 250                                       | 1                        | - |
| YEM45/1 3/8 1P DE 24DC  | 3/8" BSP        | 24 VDC                     | 45                                       | 250                                       | 1                        | - |
| YEM45/2 3/8 2P DD       | 3/8" BSP        | 12VDC                      | 45                                       | 250                                       | 2                        | - |
| YEM45/2 3/8 2P DD 24DC  | 3/8" BSP        | 24 VDC                     | 45                                       | 250                                       | 2                        | - |
| YEM45/3 3/8 3P DDD      | 3/8" BSP        | 12 VDC                     | 45                                       | 250                                       | 3                        | - |
| YEM45/3 3/8 3P DDD 24DC | 3/8" BSP        | 24 VDC                     | 45                                       | 250                                       | 3                        | - |

## Distribuidor eléctrico manual componible YEMC50 - 3/8- Doble efecto

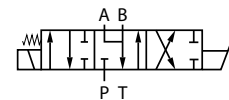
YEMC50 - 3/8" BSP Stackable control valve solenoid driven + handle  
YEMC50 - Distributeur empiilable à commande électrique et manuelle 3/8" BSP  
Sezione Distributore elettrico manuale YEMC50 -3/8- Doppio effetto

| Part n°<br>Referencia    | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | N° LEVERS<br>N° PALANCAS | € |
|--------------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|--------------------------|---|
| YEMC50/1 3/8 1P DE 12VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 1                        | - |
| YEMC50/2 3/8 2P DE 12VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 2                        | - |
| YEMC50/3 3/8 3P DE 12VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 3                        | - |
| YEMC50/4 3/8 4P DE 12VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 4                        | - |
| YEMC50/5 3/8 5P DE 12VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 5                        | - |
| YEMC50/6 3/8 6P DE 12VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 6                        | - |
| YEMC50/1 3/8 1P DE 24VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 1                        | - |
| YEMC50/2 3/8 2P DE 24VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 2                        | - |
| YEMC50/3 3/8 3P DE 24VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 3                        | - |
| YEMC50/4 3/8 4P DE 24VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 4                        | - |
| YEMC50/5 3/8 5P DE 24VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 5                        | - |
| YEMC50/6 3/8 6P DE 24VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 6                        | - |

### Distribuidor eléctrico manual componible - 3/8- Motor



Sectional electric manual control solenoid 3/8- Motor  
Distributeur électrique manuel empilable 3/8- Moteur  
Sezione Distributore elettrico manuale -3/8 - Motori



| Part n°<br>Referencia    | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAGE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|--------------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| YEMC50/1 3/8 1P M 12 VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 1                     | - |
| YEMC50/2 3/8 2P M 12 VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 2                     | - |
| YEMC50/3 3/8 3P M 12 VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 3                     | - |
| YEMC50/4 3/8 4P M 12 VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 4                     | - |
| YEMC50/5 3/8 5P M 12 VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 5                     | - |
| YEMC50/6 3/8 6P M 12 VDC | 3/8" BSP        | 12 VDC                     | 50                                       | 315                                       | 6                     | - |
| YEMC50/1 3/8 1P M 24 VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 1                     | - |
| YEMC50/2 3/8 2P M 24 VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 2                     | - |
| YEMC50/3 3/8 3P M 24 VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 3                     | - |
| YEMC50/4 3/8 4P M 24 VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 4                     | - |
| YEMC50/5 3/8 5P M 24 VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 5                     | - |
| YEMC50/6 3/8 6P M 24 VDC | 3/8" BSP        | 24 VDC                     | 50                                       | 315                                       | 6                     | - |

### Cuerpo Central Distribuidor YEMC50



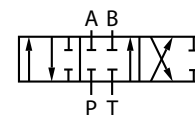
Central Distributor Body YEMC50  
Corps du distributeur central YEMC50  
Corpo distributore centrale YEMC50

| Part n°<br>Referencia | DETAILS<br>DETALLES | € |
|-----------------------|---------------------|---|
| YEMC50DE12DC          | 12 VDC              | - |
| YEMC50M12DC           | 12 VDC              | - |
| YEMC50DE24DC          | 24 VDC              | - |
| YEMC50M24DC           | 24 VDC              | - |

### Corredera doble efecto YE45



Closed center spool YE45  
Tiroir centre fermé YE45  
Cursore doppio effetto YE45

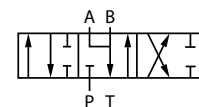


| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM45CORDE            | YE 45                         | - |

### Corredera motor YE 45



Open center spool YE45  
Tiroir centre ouvert YE45  
Cursore motore YE 45



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM45CORM             | YE 45                         | - |

### Corredera doble efecto YEM 45



Closed center spool YEM45  
Tiroir centre fermé YEM45  
Cursore doppio effetto YEM45

| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFME45CORDE           | YEM 45                        | - |

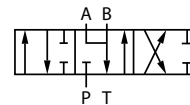
## DISTRIBUIDORES

Control valves  
Distributeurs  
Distributori

**TrAle®**

### Corredera motor YEM 50

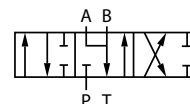
Open center spool YEM50  
Tiroir centre ouvert YEM50  
Cursore motore YEM 50



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YEMC50CORM            | YEM 50                        | - |

### Corredera doble efecto YEM 50

Closed center spool YEM50  
Tiroir centre fermé YEM50  
Cursore doppio effetto YEM50



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YEMC50CORDE           | YEM 50                        | - |

### Bobinas para distribuidores YE45

Solenoid for YE45 control valves  
Bobines pour distributeurs YE45  
Bobine per distributori YE45

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | € |
|-----------------------|----------------------------|---------------------------|---|
| YE45BOB12DC           | 12 VDC                     | 36                        | - |
| YE45BOB24DC           | 24 VDC                     | 36                        | - |

### Bobinas para distribuidores YEM45

Solenoid for YEM45 control valves  
Bobines pour distributeurs YEM45  
Bobine per distributori YEM45

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | € |
|-----------------------|----------------------------|---------------------------|---|
| YEM45BOB12DC          | 12 VDC                     | 36                        | - |
| YEM45BOB24DC          | 24 VDC                     | 36                        | - |

### Bobinas para distribuidores YEMC50

Solenoid for YEMC50 control valves  
Bobines pour distributeurs YEMC50  
Bobine per distributori YEMC50

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | € |
|-----------------------|----------------------------|---------------------------|---|
| YEMC50BOB12DC         | 12 VDC                     | 60w                       | - |
| YEMC50BOB24DC         | 24 VDC                     | 60w                       | - |





### Joystick hidráulico sin bloqueo

Hydraulic joystick without safety lock  
Joystick hydraulique sans blocage  
Impugnatura idraulica senza blocco

| Part n°<br>Referencia | THREAD<br>ROSCA | FLOW (l/min)<br>CAUDAL (l/min) | € |
|-----------------------|-----------------|--------------------------------|---|
| JOYSTICKHIDRA01       | 1/4" BSP        | 5-20                           | - |



### Joystick hidráulico con bloqueo

Hydraulic joystick with safety lock  
Joystick hydraulique avec blocage  
Impugnatura idraulica con blocco

| Part n°<br>Referencia | THREAD<br>ROSCA | FLOW (l/min)<br>CAUDAL (l/min) | € |
|-----------------------|-----------------|--------------------------------|---|
| JOYSTICKHIDRA02       | 1/4" BSP        | 5-20                           | - |



### Modelo YFMC70, accionam.manual palanca y retorno por muelle a posición central.Limit.presión

Stackable control valve YFMC70 with lever control return to center by spring and relief valve  
Distributeur empilable YFMC70 avec levier retour au centre par ressort et valve lim. Pression  
Modello YFMC70, azion. manuale a leva, ritorno al centro a molla.Valv. Max

| Part n°<br>Referencia  | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | N° LEVERS<br>N° PALANCAS | € |
|------------------------|-----------------|------------------------------------------|-------------------------------------------|--------------------------|---|
| YFMC70/1 1P 1/2 DE     | 1/2" BSP        | 100                                      | 250                                       | 1                        | - |
| YFMC70/2 2P 1/2 DD     | 1/2" BSP        | 100                                      | 250                                       | 2                        | - |
| YFMC70/3 3P 1/2 DDD    | 1/2" BSP        | 100                                      | 250                                       | 3                        | - |
| YFMC70/4 4P 1/2 DDDD   | 1/2" BSP        | 100                                      | 250                                       | 4                        | - |
| YFMC70/5 5P 1/2 DDDDD  | 1/2" BSP        | 100                                      | 250                                       | 5                        | - |
| YFMC70/6 6P 1/2 DDDDDD | 1/2" BSP        | 100                                      | 250                                       | 6                        | - |



### Cuerpo central YFMC70

YFMC70 control center body section  
Élément distributeur YFMC70  
Sezione distributore YFMC70

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION    | € |
|-----------------------|-------------------------------|---|
| YFMC70DE              | Center closed / Doble efecto  | - |
| YFMC70M               | Open center / Motor           | - |
| YFMC70SE              | Single Acting / Simple efecto | - |



### Cuerpo de entrada YFMC70/YFMC100

YFMC70/YFMC100 inlet section  
Élément d'entrée YFMC70/YFMC100  
Corpo di entrata YFMC70/YFMC100

| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| TEYFMC70/100          | YFMC70/100                    | - |



### Cuerpo de salida YFMC70/YFMC100

YFMC70/YFMC100 exit section  
Élément de sortie YFMC70/YFMC100  
Corpo di uscita YFMC70/YFMC100

| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| TFYFMC70/100          | YFMC70/100-YFMCE70            | - |

## DISTRIBUIDORES

Control valves  
Distributeurs  
Distributori

TrAle®



### Modelo YFMC100, accionamiento manual palanca y retorno por muelle a posición central. Limit. pres.+palanca

Stackable control valve YFMC100 with lever control return to center by spring and relief valve

Distributeur empilable YFMC100 avec levier retour au centre par ressort et valve lim. Pression

Modello YFM100, azion. manuale a leva, ritorno al centro a molla. Valv. Max

| Part n°<br>Referencia   | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-------------------------|-----------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| YFMC100/1 1P 3/4 DE     | 3/4" BSP        | 100                                      | 210                                       | 1                     | - |
| YFMC100/2 2P 3/4 DD     | 3/4" BSP        | 100                                      | 210                                       | 2                     | - |
| YFMC100/3 3P 3/4 DDD    | 3/4" BSP        | 100                                      | 210                                       | 3                     | - |
| YFMC100/4 4P 3/4 DDDD   | 3/4" BSP        | 100                                      | 210                                       | 4                     | - |
| YFMC100/5 5P 3/4 DDDDD  | 3/4" BSP        | 100                                      | 210                                       | 5                     | - |
| YFMC100/6 6P 3/4 DDDDDD | 3/4" BSP        | 100                                      | 210                                       | 6                     | - |



### Cuerpo central YFMC100

YFMC100 control central body section

Élément distributeur YFMC100

Sezione distributore YFMC100

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN    | € |
|-----------------------|-------------------------------|---|
| YFMC100DE             | Center closed / Doble efecto  | - |
| YFMC100M              | Open center / Motor           | - |
| YFMC100SE             | Single Acting / Simple efecto | - |

### Racores de continuación de presión

carry over fitting

Raccord centre à suivre

Raccordo di continuazione pressione (carry-over)



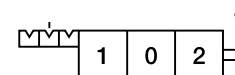
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM00007              | YFMC70/YFMC70/YFMC100         | - |

### Accionamiento 3 posiciones enclavadas

3 positions detented spool control

Actionnement 3 positions cranté

Controllo del cursore a 3 posizioni



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM00001              | YFM80, YFMC70, YFMC100        | - |

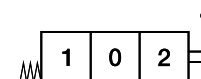
### Accionamiento muelle standard

Standard spring spool control

Actionnement ressort standard

Comando a molla standard

NEW



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM70002              | YFM80, YFMC70, YFMC100        | - |

### Correderas YFMC70

Spools for YFMC70

Tiroirs pour YFMC70

Cursore YFMC70



| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN   | € |
|-----------------------|------------------------------|---|
| YFMC70CORDE           | Center closed / Doble efecto | - |
| YFMC70CORM            | Open center / Motor          | - |



### Distribuidor eléctrico componible YFMCE70 - 1/2" BSP

Stackable control valve YFMCE70 solenoid driven with relief valve  
Distributeur empilable YFMCE70 à commande électrique with relief valve  
YFMCE70 - Distributore elettrico componibile 1/2" BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | LEVERS<br>N° PALANCAS | Voltage (V)<br>Voltaje (V) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-----------------------|----------------------------|---|
| YFMCE70/1 1P 1/2 DE   | 1/2" BSP        | 70                                       | 300                                       | 1                     | 12VDC                      | - |
| YFMCE70/2 2P 1/2 DD   | 1/2" BSP        | 70                                       | 300                                       | 2                     | 12VDC                      | - |
| YFMCE70/3 3P 1/2 DDD  | 1/2" BSP        | 70                                       | 300                                       | 3                     | 12VDC                      | - |
| YFMCE70/4 4P 1/2 DDDD | 1/2" BSP        | 70                                       | 300                                       | 4                     | 12VDC                      | - |

Posibilidad también en 24VDC / Also possible in 24VDC / Également possible en 24VDC / Possibile anche in 24VDC

### Cuerpo YFMCE70

YFMCE70 Control Valve Section  
Élément distributeur YFMCE70  
Sezione distributore YFMCE70



| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION    | € |
|-----------------------|-------------------------------|---|
| YFMCE70 SE 12VDC      | Single Acting / Simple efecto | - |
| YFMCE70 DE 12VDC      | Center closed / Doble efecto  | - |

Posibilidad también en 24VDC / Also possible in 24VDC / Également possible en 24VDC / Possibile anche in 24VDC

### Bobinas YFMCE70

YFMCE70 solenoid  
Bobines YFMCE70  
Bobine YFMCE70



| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAGE (V) | POWER (W)<br>POTENCIA (W) | € |
|-----------------------|----------------------------|---------------------------|---|
| BOBYFMCE7012VDC       | 12VDC                      | 60                        | - |
| BOBYFMCE7024VDC       | 24VDC                      | 60                        | - |

### Correderas para distribuidores YFMCE70

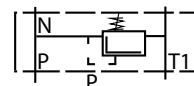
Spools for YFMCE70  
Tiroirs pour YFMCE70  
Cursore YFMCE70



| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION   | € |
|-----------------------|------------------------------|---|
| YFMCE70CORM           | Open center / Motor          | - |
| YFMCE70CORD           | Center closed / Doble efecto | - |

### Cuerpo entrada YFMCE70

YFMCE70 inlet section  
Élément d'entrée YFMCE70  
Corpo di entrata YFMCE70



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR                         | € |
|-----------------------|-------------------------------------------------------|---|
| TEYFMCE70             | YFMCE70 (válvula limitadora) / YFMCE70 (relief valve) | - |

Cuerpo de salida ver página 27 / Exit section check page 27 / Élément de sortie sur la page 27 / Corpo di uscita in pagina 27

## DISTRIBUIDORES

Control valves  
Distributeurs  
Distributori

TrAle®

### Distribuidores para palas monobloque 2 cuerpos (90 L/min)

Hydraulic control valve for wheeled loaders 2 sections (90 L/min)

Distributeur pour pelles mécaniques monobloc 2 corps (90 L/min)

Distributori per pale meccaniche, monoblocco 2 corpi, 90 lt./min.



| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN     | € |
|-----------------------|--------------------------------|---|
| <b>DPM90</b>          | Open center / Centros abiertos | - |
| <b>DPM90 LS</b>       | Load sensing / LS              | - |

### Accesorios para distribuidores

Accessories Hydraulic control valve

Accessoires pour les distributeurs

Accessori per distributori



| Part n°<br>Referencia   | DESCRIPTION<br>DESCRIPCIÓN          | € |
|-------------------------|-------------------------------------|---|
| <b>ACCIONDP90-SC9</b>   | DPM90/LS DRIVE 4TH POS.             | - |
| <b>CORREDERADP90LS4</b> | SPOOL DPM90 LS D.E. 4ª POS          | - |
| <b>CORREDERADPM904</b>  | SPOOL DPM90 D.E. 4TH POS.           | - |
| <b>KITSIRGADPM90</b>    | Cable connection kit / Kit sirga PM | - |

### Distribuidores para palas monobloque eléctrico 2 cuerpos (90 L/min) Proporcional

Electric Hydraulic control valve for wheeled loaders 2 sections (90 L/min) Proportional

Distributeur pour pelles mécaniques monobloc électriques 2 corps (90 L/min) Proportionnel

Distributori elettrici per pale meccaniche, 2 sezioni (90 L/min) Proporzionale

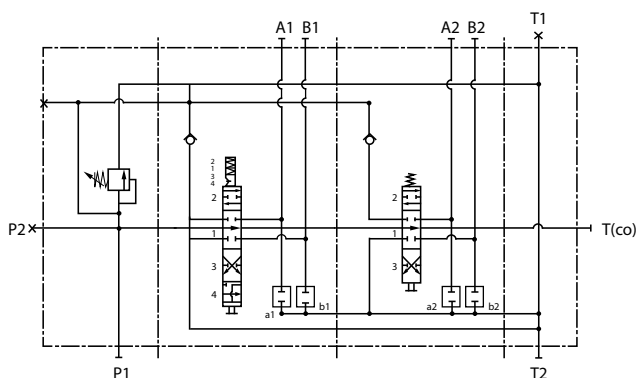


| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN   | € |
|-----------------------|------------------------------|---|
| <b>DPMEP90</b>        | Open center / centro abierto | - |
| <b>DPMEP90LS</b>      | Load sensing / LS            | - |

Incluye joystick proporcional + cableado. / Proportional joystick and wiring included. / Joystick proportionnel et faisceaux inclus. / Include joystick proporzionale + cablaggio.

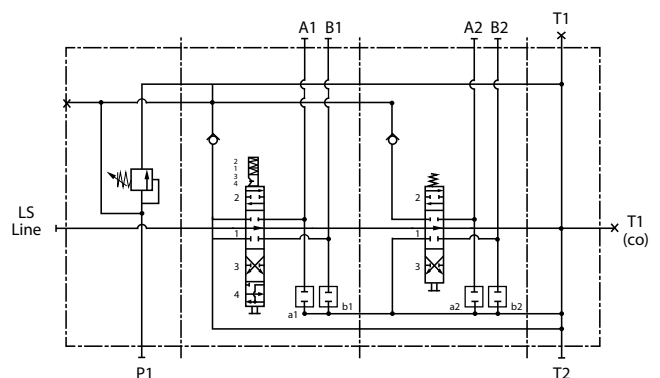
#### Open center DPM90

Centro abierto DPM90



#### Load Sensing DPM90 LS

Detección de carga DPM90 LS



For any other type, consult us / Para otros tipos, consultanos



Manipuladores retorno por muelle

Control lever spring return  
Manipulateur à levier retour par ressort  
Manipolatori ritorno a molla

| Part n°<br>Referencia | FUNCTIONS<br>POSICIONES | € |
|-----------------------|-------------------------|---|
| M8P-8M H              | 8                       | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento  
Contactos 4 (N.A) y 4 (N.C) / Otros modelos pag 160 Marcas / Contacts 4 (N.O) y 4 (N.C) / Other models page 160 Brands / Contacts 4 (N.O) y 4 (N.F) / Autres modèles page 160 Marques / Contactti 4 (N.A) y 4 (N.C) / Altri modelli pag. 160 Marche

EMPUÑADURAS DISPONIBLES  
JOYSTICKS AVAILABLE



CONSULTAR PÁGINA 158 · CONSULT ON PAGE 158



## SELEKTORAS

Diverter valves

Déviateurs

Valvola deviatrice

# TrAle®

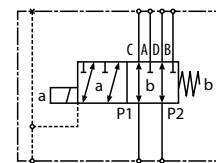


### Selectora apilable 6 vías 1/4 DC

Stackable diverter valve 6 ways 1/4 DC

Déviateur 1/4 DC 6 voies empilable

Elettrovalvola deviatrice a 6 vie modulare 1/4" DC



| Part n°<br>Referencia | THREAD<br>ROSCA | N° WAYS<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAXIMUM FLOW (l/min)<br>CAUDAL MÁXIMO (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | € |
|-----------------------|-----------------|--------------------|----------------------------|-----------------------------------------------|------------------------------------------|---|
| SA6V1412CC-1          | 1/4" BSP        | 6                  | 12VDC                      | 25                                            | 250                                      | - |
| SA6V1412CC-2          | 1/4" BSP        | 8                  | 12VDC                      | 25                                            | 250                                      | - |
| SA6V1412CC-3          | 1/4" BSP        | 10                 | 12VDC                      | 25                                            | 250                                      | - |
| SA6V1412CC-4          | 1/4" BSP        | 12                 | 12VDC                      | 25                                            | 250                                      | - |
| SA6V1412CC-5          | 1/4" BSP        | 14                 | 12VDC                      | 25                                            | 250                                      | - |
| SA6V1424CC-1          | 1/4" BSP        | 6                  | 24VDC                      | 25                                            | 250                                      | - |
| SA6V1424CC-2          | 1/4" BSP        | 8                  | 24VDC                      | 25                                            | 250                                      | - |
| SA6V1424CC-3          | 1/4" BSP        | 10                 | 24VDC                      | 25                                            | 250                                      | - |
| SA6V1424CC-4          | 1/4" BSP        | 12                 | 24VDC                      | 25                                            | 250                                      | - |
| SA6V1424CC-5          | 1/4" BSP        | 14                 | 24VDC                      | 25                                            | 250                                      | - |

Apilables hasta un máximo de 5 unidades / Stackable up to 5 units / Empilable jusqu'à 5 pièces / Componibile fino al max di 5 unità

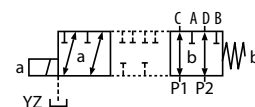


### Selectora apilable 6 vías 3/8 DC

Stackable diverter valve 6 ways 3/8 DC

Déviateur 6 voies 3/8 DC empilable

Elettrovalvola deviatrice a 6 vie 3/8" DC



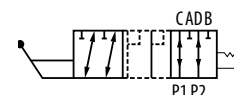
| Part n°<br>Referencia | THREAD<br>ROSCA | N° WAYS<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAXIMUM FLOW (l/min)<br>CAUDAL MÁXIMO (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | € |
|-----------------------|-----------------|--------------------|----------------------------|-----------------------------------------------|------------------------------------------|---|
| SA6V3812CC-1          | 3/8" BSP        | 6                  | 12VDC                      | 50                                            | 250                                      | - |
| SA6V3812CC-2          | 3/8" BSP        | 8                  | 12VDC                      | 50                                            | 250                                      | - |
| SA6V3812CC-3          | 3/8" BSP        | 10                 | 12VDC                      | 50                                            | 250                                      | - |
| SA6V3812CC-4          | 3/8" BSP        | 12                 | 12VDC                      | 50                                            | 250                                      | - |
| SA6V3812CC-5          | 3/8" BSP        | 14                 | 12VDC                      | 50                                            | 250                                      | - |
| SA6V3812CC-6          | 3/8" BSP        | 16                 | 12VDC                      | 50                                            | 250                                      | - |
| SA6V3824CC-1          | 3/8" BSP        | 6                  | 24VDC                      | 50                                            | 250                                      | - |
| SA6V3824CC-2          | 3/8" BSP        | 8                  | 24VDC                      | 50                                            | 250                                      | - |
| SA6V3824CC-3          | 3/8" BSP        | 10                 | 24VDC                      | 50                                            | 250                                      | - |
| SA6V3824CC-4          | 3/8" BSP        | 12                 | 24VDC                      | 50                                            | 250                                      | - |
| SA6V3824CC-5          | 3/8" BSP        | 14                 | 24VDC                      | 50                                            | 250                                      | - |
| SA6V3824CC-6          | 3/8" BSP        | 16                 | 24VDC                      | 50                                            | 250                                      | - |

### Selectora no apilable 6 vías con palanca

Non stackable diverter valve 6 ways with lever

Déviateur 6 voies avec levier non empilable

Elettrovalvola deviatrice non modulare 6 vie con leva



| Part n°<br>Referencia | THREAD<br>ROSCA | N° WAYS<br>N° VIAS | MAXIMUM FLOW (l/min)<br>CAUDAL MÁXIMO (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | € |
|-----------------------|-----------------|--------------------|-----------------------------------------------|------------------------------------------|---|
| SM6V38                | 3/8" BSP        | 6                  | 50                                            | 200/315 (*)                              | - |
| SM6V12                | 1/2" BSP        | 6                  | 50                                            | 200/315 (*)                              | - |

Presión 200 bar sin drenaje. Presión 315 bar con drenaje / WP 315 bar drain line open. 200 bar drain line plug. / 315 bar ligne drainage ouverte, 200 bar fermée / Linea di drenaggio aperta da 315 bar, chiusa da 200 bar.

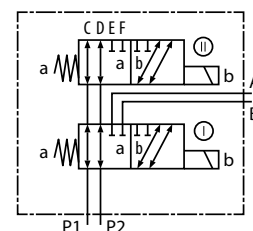


### Selectora monobloque 8 vías 3/8 DC

Monoblock diverter valve 8 ways 3/8 DC

Déviateur monobloc 8 voies 3/8 DC

Elettrovalvola deviatrice 8 vie 3/8 DC



| Part n°<br>Referencia | THREAD<br>ROSCA | N° WAYS<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAXIMUM FLOW (l/min)<br>CAUDAL MÁXIMO (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | € |
|-----------------------|-----------------|--------------------|----------------------------|-----------------------------------------------|------------------------------------------|---|
| SM8V3812CC            | 3/8" BSP        | 8                  | 12 VDC                     | 50                                            | 250                                      | - |
| SM8V3824CC            | 3/8" BSP        | 8                  | 24 VDC                     | 50                                            | 250                                      | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

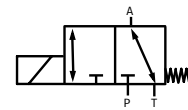
### Selectora 3 vías 3/8"



Diverter valve 3 ways 3/8"

Déviateur 3 voies 3/8"

Elettrovalvola deviatrice 3 vie 3/8"



| Part n°<br>Referencia | THREAD<br>ROSCA | N° WAYS<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|--------------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| SM3V3812CC            | 3/8" BSP        | 3                  | 12 VDC                     | 50                                       | 210                                       | - |
| SM3V3824CC            | 3/8" BSP        | 3                  | 24 VDC                     | 50                                       | 210                                       | - |
| SM3V38220VAC          | 3/8" BSP        | 3                  | 220VAC                     | 50                                       | 210                                       | - |

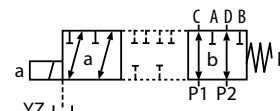
### Selectora apilable 6 vías 1/2 DC



Stackable diverter valve 6 ways 1/2 DC

Déviateur 1/2 DC 6 voies empilable

Elettrovalvola deviatrice a 6 vie modulare 1/2" DC



| Part n°<br>Referencia | THREAD<br>ROSCA | N° WAYS<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAXIMUM FLOW (l/min)<br>CAUDAL MÁXIMO (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | € |
|-----------------------|-----------------|--------------------|----------------------------|-----------------------------------------------|------------------------------------------|---|
| SA6V1212CC-1          | 1/2" BSP        | 6                  | 12VDC                      | 80                                            | 250                                      | - |
| SA6V1212CC-2          | 1/2" BSP        | 8                  | 12VDC                      | 80                                            | 250                                      | - |
| SA6V1212CC-3          | 1/2" BSP        | 10                 | 12VDC                      | 80                                            | 250                                      | - |
| SA6V1212CC-4          | 1/2" BSP        | 12                 | 12VDC                      | 80                                            | 250                                      | - |
| SA6V1212CC-5          | 1/2" BSP        | 14                 | 12VDC                      | 80                                            | 250                                      | - |
| SA6V1212CC-6          | 1/2" BSP        | 16                 | 12VDC                      | 80                                            | 250                                      | - |
| SA6V1224CC-1          | 1/2" BSP        | 6                  | 24VDC                      | 80                                            | 250                                      | - |
| SA6V1224CC-2          | 1/2" BSP        | 8                  | 24VDC                      | 80                                            | 250                                      | - |
| SA6V1224CC-3          | 1/2" BSP        | 10                 | 24VDC                      | 80                                            | 250                                      | - |
| SA6V1224CC-4          | 1/2" BSP        | 12                 | 24VDC                      | 80                                            | 250                                      | - |
| SA6V1224CC-5          | 1/2" BSP        | 14                 | 24VDC                      | 80                                            | 250                                      | - |
| SA6V1224CC-6          | 1/2" BSP        | 16                 | 24VDC                      | 80                                            | 250                                      | - |

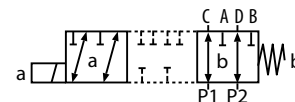
### Selectora apilable 6 vías 1/2 DC sin drenaje



Stackable diverter valve 1/2 DC 6 ways no drain

Déviateur 1/2 DC 6 voies sans drainage

Elettrovalvola deviatrice modulare 1/2 DC 6 vie senza drenaggio



| Part n°<br>Referencia | THREAD<br>ROSCA | N° WAYS<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAXIMUM PRESSURE (Bar)<br>PRESIÓN MAX. (Bar) | € |
|-----------------------|-----------------|--------------------|----------------------------|------------------------------------------|----------------------------------------------|---|
| SA6V1212CC-1 S-D      | 1/2" BSP        | 6                  | 12VDC                      | 80                                       | 250                                          | - |
| SA6V1224CC-1 S-D      | 1/2" BSP        | 6                  | 24VDC                      | 80                                       | 250                                          | - |

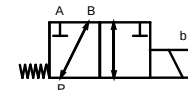
### Selectora 3 vías 1/2



Diverter valve 3 ways 1/2

Déviateur 3 voies 1/2

Elettrovalvola deviatrice 3 vie 1/2



| Part n°<br>Referencia | THREAD<br>ROSCA | N° WAYS<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAXIMUM PRESSURE (Bar)<br>PRESIÓN MAX. (Bar) | € |
|-----------------------|-----------------|--------------------|----------------------------|------------------------------------------|----------------------------------------------|---|
| S3V1212CC             | 1/2" BSP        | 3                  | 12 VDC                     | 80                                       | 250                                          | - |
| S3V1224CC             | 1/2" BSP        | 3                  | 24 VDC                     | 80                                       | 250                                          | - |

### Accesorios



Accessories

Accessoires

Accessori

| Part n°<br>Referencia | L (mm) | Details<br>Detalles                               | THREAD<br>ROSCA | € |
|-----------------------|--------|---------------------------------------------------|-----------------|---|
| KITSA6V-2             | 160    | Varillas ensamblaje / Assembly rods SA6V38-2 (x4) | M8              | - |
| KITSA6V-3             | 225    | Varillas ensamblaje / Assembly rods SA6V38-3 (x4) | M8              | - |

# ELECTROVÁLVULAS APILABLES

Stackable solenoid valves  
Électrovannes empilables  
Elettrovalvole modulari

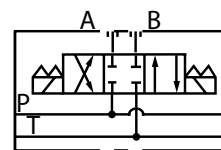
TrAle®

## Electroválvula direccional apilable 3/8 Corredera nº1

Stackable Solenoid valve Spool no.1

Électro-distributeurs empilables 3/8 Tiroir nº1

Elettrovalvola direzionale modulare 3/8 cursore nº1



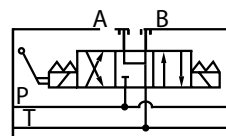
| Part nº<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| YEAT-1-3/8-12CC H     | 3/8" BSP        | 12VDC                      | 40                                       | 310                                       | - |
| YEAT-1-3/8-24CC H     | 3/8" BSP        | 24VDC                      | 40                                       | 310                                       | - |
| YEAT-1-3/8-220CA H    | 3/8" BSP        | 220VAC                     | 40                                       | 310                                       | - |

## Electroválvula direccional apilable 3/8 Corredera nº6

Stackable Solenoid valve Spool no.6

Électro-distributeurs empilables 3/8 Tiroir nº6

Elettrovalvola direzionale modulare 3/8 cursore nº6



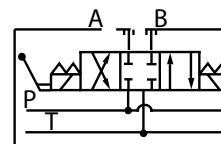
| Part nº<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| YEAT-6-3/8-12CC H     | 3/8" BSP        | 12VDC                      | 40                                       | 310                                       | - |
| YEAT-6-3/8-24CC H     | 3/8" BSP        | 24VDC                      | 40                                       | 310                                       | - |
| YEAT-6-3/8-220CA H    | 3/8" BSP        | 220VAC                     | 40                                       | 310                                       | - |

## Electroválvula direccional apilable con palanca 3/8 Corredera nº1

Stackable Solenoid valve with lever - Spool no.1

Électro empilables avec levier-Tiroir nº1

Elettrovalvola direzionale modulare con leva 3/8 cursore nº1



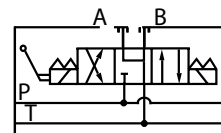
| Part nº<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| YEATM-1-3/8-12CC H    | 3/8" BSP        | 12VDC                      | 40                                       | 310                                       | - |
| YEATM-1-3/8-24CC H    | 3/8" BSP        | 24VDC                      | 40                                       | 310                                       | - |
| YEATM-1-3/8-220CA H   | 3/8" BSP        | 220VAC                     | 40                                       | 310                                       | - |

## Electroválvula direccional apilable con palanca 3/8 Corredera nº6

Stackable Solenoid valve with lever - Spool no.6

Électro empilables avec levier-Tiroir nº6

Elettrovalvola direzionale modulare con leva 3/8 cursore nº6



| Part nº<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| YEATM-6-3/8-12CC H    | 3/8" BSP        | 12VDC                      | 40                                       | 310                                       | - |
| YEATM-6-3/8-24CC H    | 3/8" BSP        | 24VDC                      | 40                                       | 310                                       | - |
| YEATM-6-3/8-220CA H   | 3/8" BSP        | 220VAC                     | 40                                       | 310                                       | - |

## Bobina para pastilla entrada apilable

Solenoid for by-pass valve in YPET entry element

Bobine pour valve by-pass d'élément d'entrée YPET

Bobina di ingresso impilabile

| Part nº<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | € |
|-----------------------|----------------------------|---|
| BOBYPET 12CC H        | 12VDC                      | - |
| BOBYPET 24CC H        | 24VDC                      | - |
| BOBYPET 220CA H       | 220VAC                     | - |

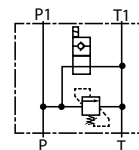


### Pastilla entrada apilable 3/8 con venting y limitadora

Entry section s/w by-pass and pressure relief valve

Tranche d'entrée by-pass et valve de protection

Elemento di entrata modulare 3/8 con Venting e valv. max



| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| YPET-12CC H           | 3/8" BSP        | 12VDC                      | 50                                       | 315                                       | - |
| YPET-24CC H           | 3/8" BSP        | 24VDC                      | 50                                       | 315                                       | - |
| YPET-220CA H          | 3/8" BSP        | 220VAC                     | 50                                       | 315                                       | - |

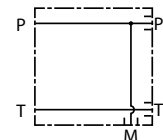


### Pastilla de salida apilable 3/8

Exit section for YEAT valves

Tranche de sortie pour valves YEAT

Elemento di uscita modulare 3/8



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| YPCT H                | 3/8" BSP        | 50                                       | 250                                       | - |



### Accesorios

Accessories

Accessoires

Accessori

| Part n°<br>Referencia | SUPPLEMENT<br>SUPLEMENTO | € |
|-----------------------|--------------------------|---|
| YSEAT-SUP H           | DIRECT                   | - |

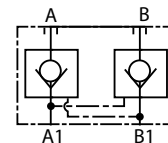


### Antirretorno doble pilotado electroválvulas apilables 3/8

Double check valves for YEAT model

Antiretour double piloté pour série YEAT

Ritegno doppio pilotato per elettrov. modulari 3/8



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| YAEAT-D H             | 3/8" BSP        | 40                                       | 315                                       | - |

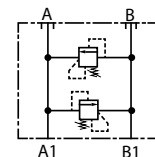


### Limitadora en A y B para electroválvulas apilables 3/8

Dual relief valve on A & B for YEAT model

Double limiteur de pression sur A et B pour série YEAT

Limitatrice in A e B per elettrov. modulari 3/8



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| YLEAT-D H             | 3/8" BSP        | 40                                       | 315                                       | - |

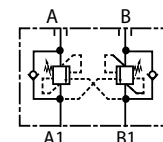


### Overcenter en A y B para electroválvulas apilables 3/8

D.A. overcenter valve for YEAT model

Valve overcenter D.E. pour série YEAT

Overcenter in A e B per elettrovalvole modulari 3/8



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| YOEAT-D H             | 3/8" BSP        | 40                                       | 315                                       | - |

## ELECTROVÁLVULAS APILABLES

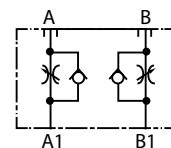
Stackable solenoid valves  
Électrovannes empilables  
Elettrovalvole modulari

**TrAle®**



### Regulador de caudal para electroválvulas apilables 3/8

Unidirectional flow restrictor valve on A & B for YEAT model  
Étrangleur de débit unidirectionnel sur A et B pour série YEAT  
Regolatore di portata per elettrovalvole modulari 3/8



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| YREAT-D H             | 3/8" BSP        | 40                                       | 315                                       | - |

### Kits de tornillería para montajes apilables

Assembling kit for YEAT model  
Kit d'assemblage pour série YEAT  
Kit viti per montaggi modulari



| Part n°<br>Referencia | SEGMENTS<br>SEGMENTOS | € |
|-----------------------|-----------------------|---|
| YTEA-1 H              | 1                     | - |
| YTEA-2 H              | 2                     | - |
| YTEA-3 H              | 3                     | - |
| YTEA-4 H              | 4                     | - |
| YTEA-5 H              | 5                     | - |

## ELECTROVÁLVULAS APILABLES DE DISEÑO COMPACTO, NO NECESITAN PLACA BASE.

**EXTRA-COMPACT DESING. NO NEED OF EXTERNAL SUBPLATE.**



Para lugares donde el espacio es importante, ya que son conjuntos de electroválvulas con medidas muy reducidas.

*Recommended for those applications with very restrictive space conditions.*

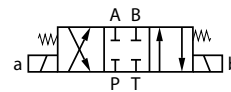


### Electroválvula direccional NG6 corredera n°1

NG6 Solenoid valve - spool no.1

Électro NG6 - tiroir n°1

Elettrovalvola direzionale NG6 - cursore n°1



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-1-12CC H        | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-1-24CC H        | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-1-110CA H       | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6-1-220CA H       | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

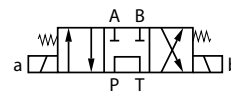


### Electroválvula direccional NG6 corredera n°2

NG6 Solenoid valve - spool no.2

Électro NG6 - tiroir n°2

Elettrovalvola direzionale NG6 - cursore n°2



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-2-12CC H        | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-2-24CC H        | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-2-110CA H       | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6-2-220CA H       | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

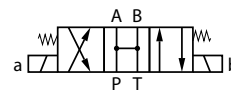


### Electroválvula direccional NG6 corredera n°3

NG6 Solenoid valve - spool no.3

Électro NG6 - tiroir n°3

Elettrovalvola direzionale NG6 - cursore n°3



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-3-12CC H        | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-3-24CC H        | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-3-110CA H       | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6-3-220CA H       | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

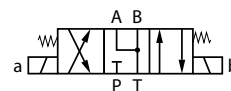


### Electroválvula direccional NG6 corredera n°6

NG6 Solenoid valve - spool no.6

Électro NG6 - tiroir n°6

Elettrovalvola direzionale NG6 - cursore n°6



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-6-12CC H        | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-6-24CC H        | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-6-110CA H       | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6-6-220CA H       | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

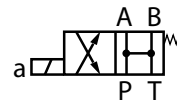


### Electroválvula direccional NG6 corredera n°3A

NG6 Solenoid valve - spool no.3A

Électro NG6 - tiroir n°3A

Elettrovalvola direzionale NG6 - cursore n°3A



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-3A-12CC H       | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-3A-24CC H       | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-3A-110CA H      | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6-3A-220CA H      | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |



## ELECTROVÁLVULAS

Solenoid valves  
Électro-distributeurs  
Elettrovalvole

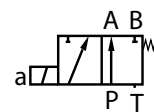
TrAle®

**Electroválvula direccional NG6 corredera n° 41A**

NG6 Solenoid valve - spool no.41A

Électro NG6 - tiroir n°41A

Elettrovalvola direzionale NG6 - cursore n°41A



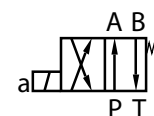
| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-41A-110CA H     | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6-41A-220CA H     | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |
| KVNG6-41A-12CC H      | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-41A-24CC H      | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |

**Electroválvula direccional NG6 corredera n° 51A**

NG6 Solenoid valve - spool no.51A

Électro NG6 - tiroir n°51A

Elettrovalvola direzionale NG6 - cursore n°51A



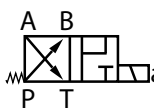
| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-51A-12CC H      | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-51A-24CC H      | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-51A-110CA H     | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6-51A-220CA H     | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

**Electroválvula direccional NG6 corredera n° 61A**

NG6 Solenoid valve - spool no.61A

Électro NG6 - tiroir n°61A

Elettrovalvola direzionale NG6 - cursore n°61A



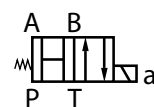
| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-61A-12CC H      | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |

**Electroválvula direccional NG6 corredera n° 3B**

NG6 Solenoid valve - spool no.3B

Électro NG6 - tiroir n°3B

Elettrovalvola direzionale NG6 - cursore n°3B



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-3B-24CC H       | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-3B-220CA H      | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

**Electroválvula direccional NG6 corredera n° 51B**

NG6 Solenoid valve - spool no.51B

Électro NG6 - tiroir n°51B

Elettrovalvola direzionale NG6 - cursore n°51B



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-51B-12CC H      | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-51B-24CC H      | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-51B-110CA H     | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6-51B-220CA H     | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |



### Electroválvula direccional NG6 corredera RK

NG6 Solenoid valve - spool RK

Électro NG6 - tiroir RK

Elettrovalvola direzionale NG6 - cursore RK



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-RK-12CC H       | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-RK-24CC H       | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-RK-110CA H      | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6-RK-220CA H      | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

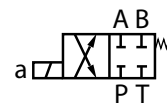


### Electroválvula direccional NG6 corredera1A

NG6 Solenoid valve - spool no.1A

Électro NG6 - tiroir n° 1A

Elettrovalvola direzionale NG6 - cursore 1A



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-1A-12CC H       | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-1A-24CC H       | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-1A-220CA H      | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

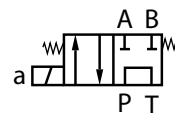


### Electroválvula direccional NG6 corredera 2A

NG6 Solenoid valve - spool no.2A

Électro NG6 - tiroir n° 2A

Elettrovalvola direzionale NG6 - cursore 2A



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-2A-12CC H       | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-2A-24CC H       | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-2A-110CA H      | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6-2A-220CA H      | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

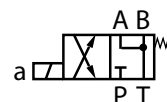


### Electroválvula direccional NG6 corredera 6A

NG6 Solenoid valve - spool no.6A

Électro NG6 - tiroir n° 6A

Elettrovalvola direzionale NG6 - cursore 6A



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-6A-12CC H       | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6-6A-24CC H       | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6-6A-220CA H      | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

## ELECTROVÁLVULAS

Solenoid valves  
Électro-distributeurs  
Elettrovalvole

TrAle®



### Bobinas NG6

NG6 Solenoid

Bobines NG6

Bobine NG6

| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | € |
|-----------------------|----------------|----------------------------|---|
| MR-6-12CC H           | NG-6           | 12 VDC                     | - |
| MR-6-24CC H           | NG-6           | 24 VDC                     | - |
| MR-6-48CC H           | NG-6           | 48 VDC                     | - |
| MR-6-110CA H          | NG-6           | 110 VAC                    | - |
| MR-6-220CA H          | NG-6           | 220 VAC                    | - |
| NEW MR-6-220RAC-H     | NG-6           | 220 RAC                    | - |
| MR-6-12060CA H        | NG-6           | 120 VAC (60 Hz)            | - |

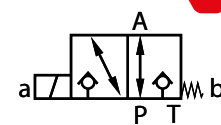
Consultar disponibilidad de bobinas a 60 Hz / Consult availability for 60 Hz coils / Consultez disponibilité des bobines à 60 Hz / Consultare la disponibilità di bobine a 60 Hz

### Electroválvula de Retención NG6 Corredera UK

NG6 Solenoid valve - spool UK

Électro NG6 - tiroir UK

Elettrovalvola direzionale NG6 - cursore UK



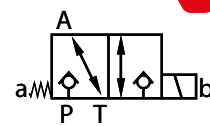
| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-UK-12CC H       | NG6            | 12VDC                      | 60                                       | 315                                       | - |
| KVNG6-UK-24CC H       | NG6            | 24VDC                      | 60                                       | 315                                       | - |
| KVNG6-UK-110RAC H     | NG6            | 110RAC                     | 60                                       | 315                                       | - |
| KVNG6-UK-220RAC H     | NG6            | 220RAC                     | 60                                       | 315                                       | - |

### Electroválvula de Retención NG6 Corredera CK

NG6 Solenoid valve - spool CK

Électro NG6 - tiroir CK

Elettrovalvola direzionale NG6 - cursore CK



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6-CK-12CC H       | NG6            | 12VDC                      | 60                                       | 315                                       | - |
| KVNG6-CK-24CC H       | NG6            | 24VDC                      | 60                                       | 315                                       | - |
| KVNG6-CK-110RAC H     | NG6            | 110RAC                     | 60                                       | 315                                       | - |
| KVNG6-CK-220RAC H     | NG6            | 220RAC                     | 60                                       | 315                                       | - |

### Accesorios electroválvulas NG6

NG6 Solenoid valve accessories

Accessoires électro NG6

Accessori elettrovalvole NG6



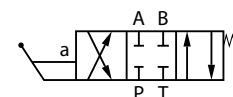
| Part n°<br>Referencia | DETAILS<br>DETALLES                                              | € |
|-----------------------|------------------------------------------------------------------|---|
| KITMANDET NG6         | KIT ACCION. MANUAL CON BLOQUEO / MAN.OPERATION KIT WITH LOCK NG6 | - |
| TAPONCOR NG6          | TAPON Y JUNTA / PLUG AND GASKET NG6                              | - |
| NUCLEO NG6 T          | NG6 coil core for solenoid valve and sel. TRALE                  | - |

### Válvula manual NG6 corredera N°1

NG6 Manual valve spool no.1

Valve manuelle NG6 tiroir N°1

Valvola manuale NG6 - cursore N°1

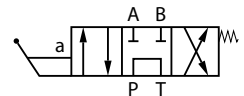


| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-1 H            | NG-6           | 60                                       | 315                                       | - |



### Válvula manual NG6 corredera N°2

NG6 Manual valve spool no.2  
Valve manuelle NG6 tiroir N°2  
Valvola manuale NG6 - cursore N°2

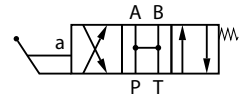


| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-2 H            | NG-6           | 50                                       | 315                                       | - |



### Válvula manual NG6 corredera N°3

NG6 Manual valve spool no.3  
Valve manuelle NG6 tiroir N°3  
Valvola manuale NG6 - cursore N°3

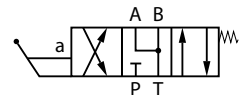


| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-3 H            | NG-6           | 60                                       | 315                                       | - |



### Válvula manual NG6 corredera N°6

NG6 Manual valve spool no.6  
Valve manuelle NG6 tiroir N°6  
Valvola manuale NG6 - cursore N°6

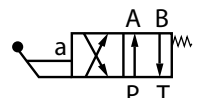


| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-6 H            | NG-6           | 60                                       | 315                                       | - |



### Válvula manual NG6 corredera N°51A

NG6 Manual valve spool no.51A  
Valve manuelle NG6 tiroir N°51A  
Valvola manuale NG6 - cursore N°51A

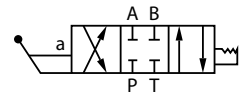


| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-51A H          | NG-6           | 60                                       | 315                                       | - |



### Válvula manual NG6 corredera N°1 con detención

NG6 Manual valve spool no.1 with detent  
Valve manuelle NG6 tiroir N°1 avec crantage  
Valvola manuale NG6 cursore N°1 con detent

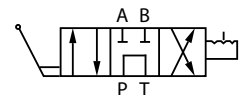


| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-E1 H           | NG-6           | 60                                       | 315                                       | - |



### Válvula manual NG6 corredera N°2 con detención

NG6 Manual valve spool no.2 with detent  
Valve manuelle NG6 tiroir N°2 avec crantage  
Valvola manuale NG6 cursore N°2 con detent



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-E2 H           | NG-6           | 60                                       | 315                                       | - |

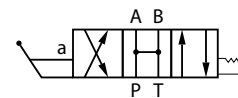
## ELECTROVÁLVULAS

Solenoid valves  
Électro-distributeurs  
Elettrovalvole

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**Válvula manual NG6 corredera N°3 con detención**

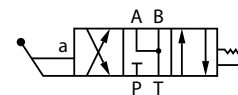
NG6 Manual valve spool no.3 with detent  
Valve manuelle NG6 tiroir N°3 avec crantage  
Valvola manuale NG6 cursore N°3 con detent



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-E3 H           | NG-6           | 60                                       | 315                                       | - |

**Válvula manual NG6 corredera N°6 con detención**

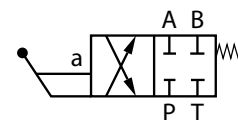
NG6 Manual valve spool no.6 with detent  
Valve manuelle NG6 tiroir N°6 avec crantage  
Valvola manuale NG6 cursore N°6 con detent



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-E6 H           | NG-6           | 60                                       | 315                                       | - |

**Válvula manual NG6 corredera N°1A**

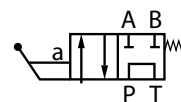
NG6 Manual valve spool no.1A  
Valve manuelle NG6 tiroir N°1A  
Valvola manuale NG6 - cursore N°1A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-1A H           | NG-6           | 60                                       | 315                                       | - |

**Válvula manual NG6 corredera N°2A**

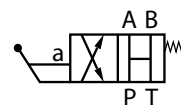
NG6 Manual valve spool no.2A  
Valve manuelle NG6 tiroir N°2A  
Valvola manuale NG6 - cursore N°2A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-2A H           | NG-6           | 60                                       | 315                                       | - |

**Válvula manual NG6 corredera N°3A**

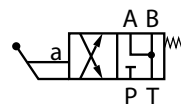
NG6 Manual valve spool no.3A  
Valve manuelle NG6 tiroir N°3A  
Valvola manuale NG6 - cursore N°3A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-3A H           | NG-6           | 60                                       | 315                                       | - |

**Válvula manual NG6 corredera N°6A**

NG6 Manual valve spool no.6A  
Valve manuelle NG6 tiroir N°6A  
Valvola manuale NG6 - cursore N°6A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-6A H           | NG-6           | 60                                       | 315                                       | - |

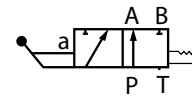


### Válvula manual NG6 corredera N°41A con detención

NG6 Manual valve spool no.41 with detent

Valve manuelle NG6 tiroir N°41A avec crantage

Valvola manuale NG6 cursore N°41A con detent



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG6M-E41A H         | NG-6           | 60                                       | 315                                       | - |

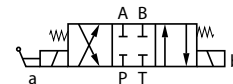


### Electroválvula Direccional NG6 con palanca Corredera n°1

NG6 Solenoid valve with lever - Spool no.1

Électro NG6 avec levier-Tiroir n°1

Elettrovalvola direzionale NG6 con leva cursore n°1



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6EM-1-12CC H      | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6EM-1-24CC H      | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6EM-1-110CA H     | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6EM-1-220CA H     | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

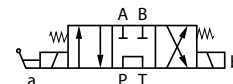


### Electroválvula Direccional NG6 con palanca Corredera n°2

NG6 Solenoid valve with lever - Spool no.2

Électro NG6 avec levier-Tiroir n°2

Elettrovalvola direzionale NG6 con leva cursore n°2



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6EM-2-12CC H      | NG-6           | 12 VDC                     | 35                                       | 315                                       | - |
| KVNG6EM-2-24CC H      | NG-6           | 24 VDC                     | 35                                       | 315                                       | - |
| KVNG6EM-2-110CA H     | NG-6           | 110 VAC                    | 35                                       | 315                                       | - |
| KVNG6EM-2-220CA H     | NG-6           | 220 VAC                    | 35                                       | 315                                       | - |



### Electroválvula Direccional NG6 con palanca Corredera n°3

NG6 Solenoid valve with lever - Spool no.3

Électro NG6 avec levier-Tiroir n°3

Elettrovalvola direzionale NG6 con leva cursore n°3



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6EM-3-12CC H      | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6EM-3-24CC H      | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6EM-3-110CA H     | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6EM-3-220CA H     | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |

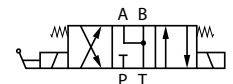


### Electroválvula Direccional NG6 con palanca Corredera n°6

NG6 Solenoid valve with lever - Spool no.6

Électro NG6 avec levier-Tiroir n°6

Elettrovalvola direzionale NG6 con leva cursore n°6



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG6EM-6-12CC H      | NG-6           | 12 VDC                     | 60                                       | 315                                       | - |
| KVNG6EM-6-24CC H      | NG-6           | 24 VDC                     | 60                                       | 315                                       | - |
| KVNG6EM-6-110CA H     | NG-6           | 110 VAC                    | 60                                       | 315                                       | - |
| KVNG6EM-6-220CA H     | NG-6           | 220 VAC                    | 60                                       | 315                                       | - |



# ELECTROVÁLVULAS

Solenoid valves  
Électro-distributeurs  
Elettrovalvole

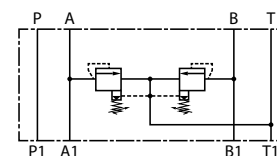
TrAle®

## Limitadoras de presión NG6 en A y B

NG6 Pressure relief valve in A and B

Limiteurs de pression NG6 en A et B

Valvola regolatrice di pressione NG6 - A e B



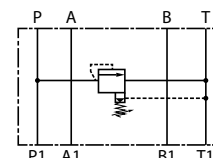
| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| LPKV-6-D-100 H        | NG-6           | 35                                       | 315                                       | 0-100                               | - |
| LPKV-6-D-315 H        | NG-6           | 35                                       | 315                                       | 0-315                               | - |

## Limitadoras de presión NG6 en P

NG6 Pressure relief valve in P

Limiteurs de pression NG6 en P

Valvola regolatrice di pressione NG6 - P



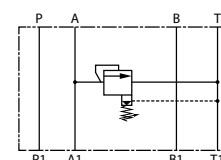
| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| LPKV-6-P-100 H        | NG-6           | 35                                       | 315                                       | 0 - 100                             | - |
| LPKV-6-P-315 H        | NG-6           | 35                                       | 315                                       | 0 - 315                             | - |

## Limitadoras de presión NG6 en A

NG6 Pressure relief valve in A

Limiteurs de pression NG6 en A

Valvola regolatrice di pressione NG6 - A



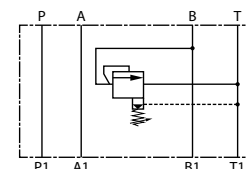
| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| LPKV-6-A-100 H        | NG-6           | 35                                       | 315                                       | 3 - 100                             | - |
| LPKV-6-A-315 H        | NG-6           | 35                                       | 315                                       | 15 - 350                            | - |

## Limitadoras de presión NG6 en B

NG6 Pressure relief valve in B

Limiteurs de pression NG6 en B

Valvola regolatrice di pressione NG6 - B



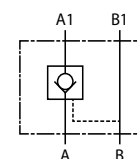
| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| LPKV-6-B-100 H        | NG-6           | 35                                       | 315                                       | 3 - 100                             | - |
| LPKV-6-B-315 H        | NG-6           | 35                                       | 315                                       | 15 - 350                            | - |

## Válvulas antirretorno pilotadas NG6 en A

NG6 Pilot check valve in A

Valve antiretour en A piloté NG6

Valvola di blocco semplice pilotata NG6 - A



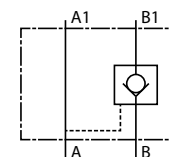
| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| APKV-6-A H            | NG-6           | 60                                       | 315                                       | - |

## Válvulas antirretorno pilotadas NG6 en B

NG6 Pilot check valve in B

Valve antiretour en B piloté NG6

Valvola di blocco semplice pilotata NG6 - B



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| APKV-6-B H            | NG-6           | 60                                       | 315                                       | - |

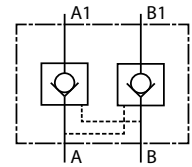


### Válvulas antirretorno pilotadas NG6 en A y B

NG6 Double pilot check valve in A and B

Valve antiretour double piloté en A et B NG6

Valvola di blocco semplice pilotata NG6 - A e B



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| APKV-6-D H            | NG-6           | 60                                       | 315                                       | - |

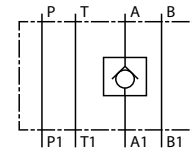


### Válvulas antirretorno no pilotadas NG6 en A

NG6 Check valve in A

Valves antiretours NG6 en A

Valvola di blocco semplice non pilotata NG6 - A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| AKV-6-A H             | NG-6           | 40                                       | 315                                       | - |

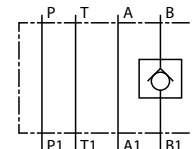


### Válvulas antirretorno no pilotadas NG6 en B

NG6 Check valve in B

Valves antiretours NG6 en B

Valvola di blocco semplice non pilotata NG6 - B



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| AKV-6-B H             | NG-6           | 40                                       | 315                                       | - |

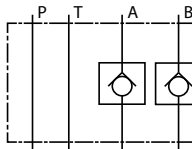


### Válvulas antirretorno no pilotadas NG6 en A y B

NG6 Double check valve in A and B

Valves antiretours NG6 en A et B

Valvola di blocco semplice non pilotata NG6 - A e B



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| AKV-6-D H             | NG-6           | 40                                       | 315                                       | - |

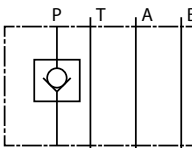


### Válvulas antirretorno no pilotadas NG6 en P

NG6 Check valve in P

Valves antiretours NG6 en P

Valvola di blocco semplice non pilotata NG6 - P



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| AKV-6-P H             | NG-6           | 40                                       | 315                                       | - |

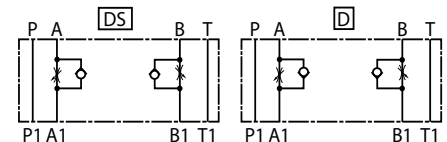


### Válvulas reguladoras de caudal NG6

NG6 Flow control valve

Étrangleur de débit NG6

Valvola regolatrice di portata NG6



| Part n°<br>Referencia | SIZE<br>TAMAÑO | FLOW (l/min)<br>CAUDAL (l/min) | MAXIMUM PRESSURE (Bar)<br>PRESIÓN MAX. (Bar) | € |
|-----------------------|----------------|--------------------------------|----------------------------------------------|---|
| RCKV-6-D H            | NG-6           | 30                             | 315                                          | - |
| RCKV-6-DS H           | NG-6           | 30                             | 315                                          | - |

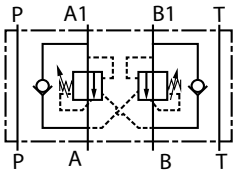
# ELECTROVÁLVULAS

Solenoid valves  
Électro-distributeurs  
Elettrovalvole



### Válvula overcenter doble NG6

Double overcenter valve NG6  
Valve overcenter double NG6  
Doppia valvola overcenter ng6



| Part n°<br>Referencia | FLOW (l/min)<br>CAUDAL (l/min) | Reg. rate (bar)<br>Campo reg. (bar) | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | € |
|-----------------------|--------------------------------|-------------------------------------|------------------------------------------|---|
| ODNG6/60-350          | 60                             | 60-350                              | 350                                      | - |

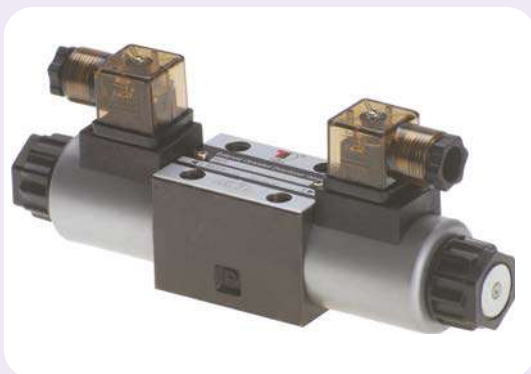
# VÁLVULAS PROPORCIONALES

## *Proportional solenoid control valves*

Presión máxima | *Max. pressure*

Puertos | *Ports A, B y P* **315 bar**

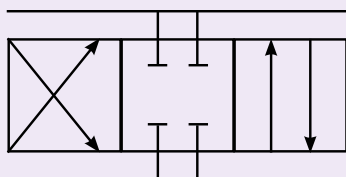
Puertos | *Ports T* **210 bar**



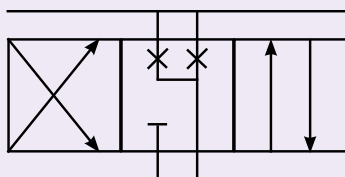
Máx caudal | *Max Flow*

NG6 **42 l/min**

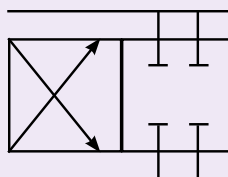
NG10 **75 l/min**



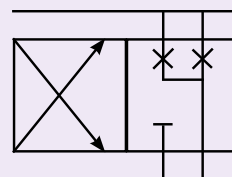
2 Bobina - Corredera nº1  
2 Coil - Spool no. 1



2 Bobina - Corredera nº6  
2 Coil - Spool no. 6



1 Bobina - Corredera nº1  
1 Coil - Spool no. 1A



1 Bobina - Corredera nº6  
1 Coil - Spool no. 6A

**NG6**

1 BOBINA  
Coil

CORREDERA 1A  
Spool

**0-7 l**  
**7-15 l**  
**15-26 l**

CORREDERA 6A  
Spool

**0-7 l**  
**7-15 l**  
**15-26 l**

2 BOBINA  
Coil

CORREDERA 1  
Spool

**0-7 l**  
**7-15 l**  
**15-26 l**

CORREDERA 6  
Spool

**0-7 l**  
**7-15 l**  
**15-26 l**

**NG10**

1 BOBINA  
Coil

CORREDERA 1A  
Spool

**0-30 l**  
**30-60 l**

CORREDERA 6A  
Spool

**0-30 l**  
**30-60 l**

2 BOBINA  
Coil

CORREDERA 1  
Spool

**0-30 l**  
**30-60 l**

CORREDERA 6  
Spool

**0-30 l**  
**30-60 l**

TARJETA CONTROLADORA ELÉCTRICA | *ELECTRONIC CONTROL CARD*

TARJETA CONTROLADORA DIGITAL | *DIGITAL CONTROL CARD*

CONSULTAR DISPONIBILIDAD | *ON REQUEST*

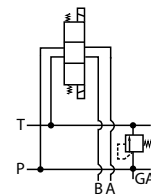
# ELECTROVÁLVULAS

Solenoid valves  
Électro-distributeurs  
Elettrovalvole

TrAle®

## Placa base NG6 de 1 elemento con limitadora, salidas A y B laterales

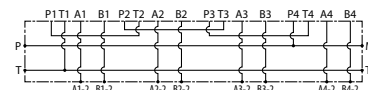
Subplate for NG6 directional valves, one element, with relief valve, A & B side ports  
Embase pour électro-distributeur NG6, un élément, avec limiteur, sorties A et B latérales  
Piastra base NG6 ad 1 elemento con limitatrice, uscite A e B laterali



| Part n°<br>Referencia | THREAD<br>ROSCA | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | FLOW (l/min)<br>CAUDAL (l/min) | € |
|-----------------------|-----------------|------------------------------------------|--------------------------------|---|
| PF1CL180 H            | 3/8" BSP        | 1                                        | 40                             | - |

## Placa base NG6 montaje en serie sin limitadora, salidas A y B laterales

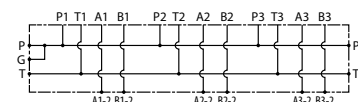
Series subplate for NG6 directional valve without relief valve, A & B side ports  
Embase pour électro-distributeur-NG6, sans limiteur, en série, sorties A et B latérales  
Piastra base NG6 montaggio in serie senza limitatrice, uscite A e B laterali



| Part n°<br>Referencia | THREAD<br>ROSCA | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | FLOW (l/min)<br>CAUDAL (l/min) | € |
|-----------------------|-----------------|------------------------------------------|--------------------------------|---|
| PF2SL H               | 3/8" BSP        | 2                                        | 40                             | - |
| PF3SL H               | 3/8" BSP        | 3                                        | 40                             | - |
| PF4SL H               | 3/8" BSP        | 4                                        | 40                             | - |

## Placa base NG6 montaje en paralelo sin limitadora, salidas A y B laterales

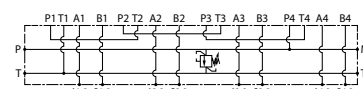
Parallel subplate for NG6 directional valve without relief valve, A & B side ports  
Embase pour électro-distributeur-NG6, sans limiteur, en parallèle, sorties A et B latérales  
Piastra base NG6 montaggio in parallelo senza limitatrice, uscite A e B laterali



| Part n°<br>Referencia | THREAD<br>ROSCA | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | FLOW (l/min)<br>CAUDAL (l/min) | € |
|-----------------------|-----------------|------------------------------------------|--------------------------------|---|
| PF2PL H               | 3/8" BSP        | 2                                        | 40                             | - |
| PF3PL H               | 3/8" BSP        | 3                                        | 40                             | - |
| PF4PL H               | 3/8" BSP        | 4                                        | 40                             | - |
| PF5PL H               | 3/8" BSP        | 5                                        | 40                             | - |
| PF6PL H               | 3/8" BSP        | 6                                        | 40                             | - |
| PF7PL H               | 3/8" BSP        | 7                                        | 40                             | - |
| PF8PL H               | 3/8" BSP        | 8                                        | 40                             | - |
| PF9PL H               | 3/8" BSP        | 9                                        | 40                             | - |
| PF10PL H              | 3/8" BSP        | 10                                       | 40                             | - |

## Placa base NG6 montaje en serie con limitadora, salidas A y B laterales

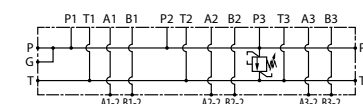
Series subplate for NG6 directional valve with relief valve, A & B side ports  
Embase pour électro-distributeur-NG6, avec limiteur, en série, sorties A et B latérales  
Piastra base NG6 montaggio in serie con limitatrice, uscite A e B laterali



| Part n°<br>Referencia | THREAD<br>ROSCA | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | FLOW (l/min)<br>CAUDAL (l/min) | € |
|-----------------------|-----------------|------------------------------------------|--------------------------------|---|
| PF2SLCL180 H          | 3/8" BSP        | 2                                        | 40                             | - |
| PF3SLCL180 H          | 3/8" BSP        | 3                                        | 40                             | - |
| PF4SLCL180 H          | 3/8" BSP        | 4                                        | 40                             | - |

## Placa base NG6 montaje en paralelo con limitadora, salidas A y B laterales

Parallel subplate for NG6 directional valve with relief valve, A & B side ports  
Embase pour électro-distributeur-NG6, avec limiteur, en parallèle, sorties A et B latérales  
Piastra base NG6 montaggio in parallelo con limitatrice, uscite A e B laterali



| Part n°<br>Referencia | THREAD<br>P-T | A-B      | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | FLOW (l/min)<br>CAUDAL (l/min) | € |
|-----------------------|---------------|----------|------------------------------------------|--------------------------------|---|
| PF2PLCL180 H          | 1/2" BSP      | 3/8" BSP | 2                                        | 40                             | - |
| PF3PLCL180 H          | 1/2" BSP      | 3/8" BSP | 3                                        | 40                             | - |
| PF4PLCL180 H          | 1/2" BSP      | 3/8" BSP | 4                                        | 40                             | - |
| PF5PLCL180 H          | 1/2" BSP      | 3/8" BSP | 5                                        | 40                             | - |
| PF6PLCL180 H          | 1/2" BSP      | 3/8" BSP | 6                                        | 40                             | - |
| PF7PLCL180 H          | 1/2" BSP      | 3/8" BSP | 7                                        | 40                             | - |
| PF8PLCL180 H          | 1/2" BSP      | 3/8" BSP | 8                                        | 40                             | - |
| PF9PLCL180 H          | 1/2" BSP      | 3/8" BSP | 9                                        | 40                             | - |
| PF10PLCL180 H         | 1/2" BSP      | 3/8" BSP | 10                                       | 40                             | - |

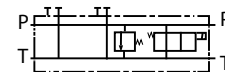


### Placa base NG6 mont. en paralelo con limit., cavidad venting, elect. insert, salidas A y B laterales

Parallel subplate for NG6 direct valve with relief valve, by pass cavity, ins. valves, A & B side ports

Embase pour électro-distribut.-NG6, avec lim., en parall., cavité by pass, éléc. ins, sorties A-B latér.

Piastra base NG6 montaggio in parallelo con limitatrice cavità venting, elett. Ins., uscite A e B la



| Part n°<br>Referencia | THREAD<br>ROSCA | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | FLOW (l/min)<br>CAUDAL (l/min) | € |
|-----------------------|-----------------|------------------------------------------|--------------------------------|---|
| PV2PLCL180 H          | 3/8" BSP        | 2                                        | 40                             | - |
| PV3PLCL180 H          | 3/8" BSP        | 3                                        | 40                             | - |
| PV4PLCL180 H          | 3/8" BSP        | 4                                        | 40                             | - |
| PV5PLCL180 H          | 3/8" BSP        | 5                                        | 40                             | - |
| PV6PLCL180 H          | 3/8" BSP        | 6                                        | 40                             | - |
| PV7PLCL180 H          | 3/8" BSP        | 7                                        | 40                             | - |
| PV8PLCL180 H          | 3/8" BSP        | 8                                        | 40                             | - |
| PV9PLCL180 H          | 3/8" BSP        | 9                                        | 40                             | - |
| PV10PLCL180 H         | 3/8" BSP        | 10                                       | 40                             | - |

Ver electrov.venting insert. del catálogo (SAE08-Cav.12.7 y especificar volt.) / See venting dir.valve in the catalogue (SAE08-Cav.12.7 and specify volt.) / Voir électroventing dans le catalogue (SAE08-Cav.12.7 et indiquez le volt.) / Vedere elettrovalvola di venting nel catalogo (SAE08-Cav.12.7 e specificare volt)



### Placa ciega

Cover plate for NG6

Embase d'annulation pour électro-distributeur NG6

Piastra di base cieca NG6

| Part n°<br>Referencia | SYSTEM<br>CIRCUITO  | € |
|-----------------------|---------------------|---|
| PBCNG06S H            | Serie / Series      | - |
| PBCNG06P H            | Paralelo / Parallel | - |

### Placa base NG6 intermedia, salidas laterales 3/8

Intermediate subplate for NG6 directional valve, side ports 3/8

Embase pour électro-distributeur-NG6, intermédiaire, sorties latérales 3/8

Piastra intermedia per valvola direzionale NG6, attacchi laterali 3/8



| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| PBING6LAT38           | 3/8" BSP        | - |





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TrAie®

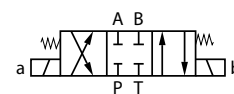


## Electroválvula direccional NG10 corredera n°1

NG10 Solenoid valve - spool no.1

Électro NG10 - tiroir n°1

Elettrovalvola direzionale a comando diretto NG10- cursore n°1



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG10-1-12CC H       | NG-10          | 12 VDC                     | 120                                      | 315                                       | - |
| KVNG10-1-24CC H       | NG-10          | 24 VDC                     | 120                                      | 315                                       | - |
| KVNG10-1-110CA H      | NG-10          | 110 VAC                    | 120                                      | 315                                       | - |
| KVNG10-1-220CA H      | NG-10          | 220 VAC                    | 120                                      | 315                                       | - |

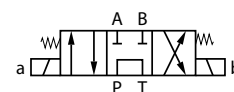


## Electroválvula direccional NG10 corredera n°2

NG10 Solenoid valve - spool no.2

Électro NG10 - tiroir n°2

Elettrovalvola direzionale a comando diretto NG10- cursore n°2



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG10-2-12CC H       | NG-10          | 12 VDC                     | 80                                       | 315                                       | - |
| KVNG10-2-24CC H       | NG-10          | 24 VDC                     | 80                                       | 315                                       | - |
| KVNG10-2-110CA H      | NG-10          | 110 VAC                    | 80                                       | 315                                       | - |
| KVNG10-2-220CA H      | NG-10          | 220 VAC                    | 80                                       | 315                                       | - |

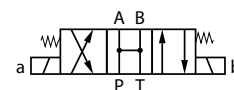


## Electroválvula direccional NG10 corredera n°3

NG10 Solenoid valve - spool no.3

Électro NG10 - tiroir n°3

Elettrovalvola direzionale a comando diretto NG10- cursore n°3



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG10-3-12CC H       | NG-10          | 12 VDC                     | 100                                      | 315                                       | - |
| KVNG10-3-24CC H       | NG-10          | 24 VDC                     | 100                                      | 315                                       | - |
| KVNG10-3-110CA H      | NG-10          | 110 VAC                    | 100                                      | 315                                       | - |
| KVNG10-3-220CA H      | NG-10          | 220 VAC                    | 100                                      | 315                                       | - |

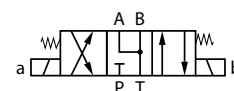


## Electroválvula direccional NG10 corredera n°6

NG10 Solenoid valve - spool no.6

Électro NG10 - tiroir n°6

Elettrovalvola direzionale a comando diretto NG10- cursore n°6



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG10-6-12CC H       | NG-10          | 12 VDC                     | 120                                      | 315                                       | - |
| KVNG10-6-24CC H       | NG-10          | 24 VDC                     | 120                                      | 315                                       | - |
| KVNG10-6-110CA H      | NG-10          | 110 VAC                    | 120                                      | 315                                       | - |
| KVNG10-6-220CA H      | NG-10          | 220 VAC                    | 120                                      | 315                                       | - |

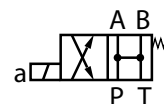


## Electroválvula direccional NG10 corredera n°3A

NG10 Solenoid valve - spool no.3A

Électro NG10 - tiroir n°3A

Elettrovalvola direzionale a comando diretto NG10- cursore n°3A



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG10-3A-12CC H      | NG-10          | 12 VDC                     | 120                                      | 315                                       | - |
| KVNG10-3A-24CC H      | NG-10          | 24 VDC                     | 120                                      | 315                                       | - |
| KVNG10-3A-110CA H     | NG-10          | 110 VAC                    | 120                                      | 315                                       | - |
| KVNG10-3A-220CA H     | NG-10          | 220 VAC                    | 120                                      | 315                                       | - |

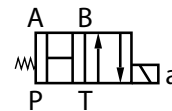


### Electroválvula direccional NG10 corredera nº3B

NG10 Solenoid valve - spool no.3B

Électro NG10 - tiroir nº3B

Elettrovalvola direzionale a comando diretto NG10- cursore nº3B



| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|-----------------------------------------|-------------------------------------------|---|
| KVNG10-3B-12CC H      | NG-10          | 12 VDC                     | 120                                     | 315                                       | - |
| KVNG10-3B-24CC H      | NG-10          | 24 VDC                     | 120                                     | 315                                       | - |

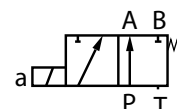


### Electroválvula direccional NG10 corredera nº41A

NG10 Solenoid valve - spool no.41A

Électro NG10 - tiroir nº41A

Elettrovalvola direzionale a comando diretto NG10- cursore nº41A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|-----------------------------------------|-------------------------------------------|---|
| KVNG10-41A-12CC H     | NG-10          | 12 VDC                     | 120                                     | 315                                       | - |
| KVNG10-41A-24CC H     | NG-10          | 24 VDC                     | 120                                     | 315                                       | - |
| KVNG10-41A-220CA H    | NG-10          | 220 VAC                    | 120                                     | 315                                       | - |

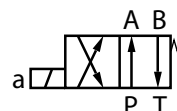


### Electroválvula direccional NG10 corredera nº51A

NG10 Solenoid valve - spool no.51A

Électro NG10 - tiroir nº51A

Elettrovalvola direzionale a comando diretto NG10- cursore nº51A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|-----------------------------------------|-------------------------------------------|---|
| KVNG10-51A-12CC H     | NG-10          | 12 VDC                     | 120                                     | 315                                       | - |
| KVNG10-51A-24CC H     | NG-10          | 24 VDC                     | 120                                     | 315                                       | - |
| KVNG10-51A-110CA H    | NG-10          | 110 VAC                    | 120                                     | 315                                       | - |
| KVNG10-51A-220CA H    | NG-10          | 220 VAC                    | 120                                     | 315                                       | - |



### Bobinas NG10

NG10 Solenoid

Bobines NG10

Bobine NG10

| Part n°<br>Referencia | Size<br>Tamaño | VOLTAGE (V)<br>VOLTAJE (V) | ØINTERNAL DIAMETER<br>Ø NÚCLEO | € |
|-----------------------|----------------|----------------------------|--------------------------------|---|
| MR-10-12CC H          | NG-10          | 12 VDC                     | 31,4                           | - |
| MR-10-24CC H          | NG-10          | 24 VDC                     | 31,4                           | - |
| MR-10-110AC H         | NG-10          | 110 VAC                    | 31,4                           | - |
| MR-10-220AC H         | NG-10          | 220 VAC                    | 31,4                           | - |
| MR-10-12060CA H       | NG-10          | 120VAC/60                  | 31,4                           | - |
| MR-10-12CC H 1        | NG-10          | 12 VDC                     | 31                             | - |
| MR-10-24CC H 1        | NG-10          | 24 VDC                     | 31                             | - |
| MR-10-110CA H 1       | NG-10          | 110 VAC                    | 31                             | - |
| MR-10-220CA H 1       | NG-10          | 220 VAC                    | 31                             | - |
| MR-10-48CC H 1        | NG-10          | 48 VDC                     | 31                             | - |

### Accesorios electroválvulas NG10

NG10 Solenoid valve accessories

Accessoires électro NG10

Accessori elettrovalvole NG10



| Part n°<br>Referencia | Description<br>Descripción                                                              | € |
|-----------------------|-----------------------------------------------------------------------------------------|---|
| TAPONCOR NG10         | Tapón y junta anulación de solenoide NG10 / Plug and seal for cancelling NG-10 solenoid | - |
| KITMANDET NG10        | KIT ACCION. MANUAL CON BLOQUEO / MAN.OPERATION KIT WITH LOCK NG10                       | - |

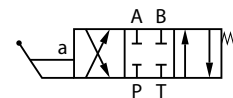
## ELECTROVÁLVULAS

Solenoid valves  
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Elettrovalvole

TrAle®

**Válvula manual NG10 corredera n°1**

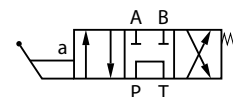
NG10 Manual valve spool No. 1  
Valve manuelle NG10 tiroir n°1  
Valvola manuale NG10 - cursore n°1



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG10M-1 H           | NG-10          | 120                                      | 315                                       | - |

**Válvula manual NG10 corredera n°2**

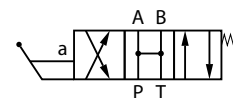
NG10 Manual valve spool No. 2  
Valve manuelle NG10 tiroir n°2  
Valvola manuale NG10 - cursore n°2



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG10M-2 H           | NG-10          | 60                                       | 315                                       | - |

**Válvula manual NG10 corredera n°3**

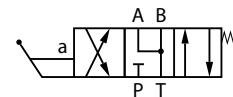
NG10 Manual valve spool No. 3  
Valve manuelle NG10 tiroir n°3  
Valvola manuale NG10 - cursore n°3



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG10M-3 H           | NG-10          | 70                                       | 315                                       | - |

**Válvula manual NG10 corredera n°6**

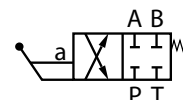
NG10 Manual valve spool No. 6  
Valve manuelle NG10 tiroir n°6  
Valvola manuale NG10 - cursore n°6



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG10M-6 H           | NG-10          | 120                                      | 315                                       | - |

**Válvula manual NG10 corredera n°1A**

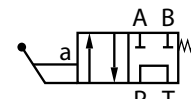
NG10 Manual valve spool No. 1A  
Valve manuelle NG10 tiroir n°1A  
Valvola manuale NG10 - cursore n°1A



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG10M-1A H          | NG-10          | 120                                      | 315                                       | - |

**Válvula manual NG10 corredera n°2A**

NG10 Manual valve spool No. 2A  
Valve manuelle NG10 tiroir n°2A  
Valvola manuale NG10 - cursore n°2A



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG10M-2A H          | NG-10          | 60                                       | 315                                       | - |

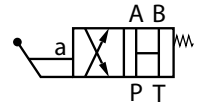


### Válvula manual NG10 corredera n° 3A

NG10 Manual valve spool No. 3A

Valve manuelle NG10 tiroir n° 3A

Valvola manuale NG10 - cursore n° 3A



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG10M-3A H          | NG-10          | 70                                       | 315                                       | - |

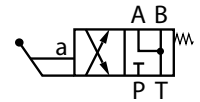


### Válvula manual NG10 corredera n° 6A

NG10 Manual valve spool No. 6A

Valve manuelle NG10 tiroir n° 6A

Valvola manuale NG10 - cursore n° 6A



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG10M-6A H          | NG-10          | 70                                       | 315                                       | - |

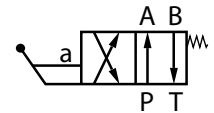


### Válvula manual NG10 corredera n° 51A

NG10 Manual valve spool No. 51A

Valve manuelle NG10 tiroir n° 51A

Valvola manuale NG10 cursore n° 51/A



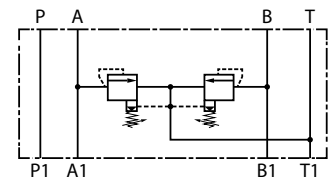
| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| KVNG10M-51A H         | NG10           | 120                                      | 250                                       | - |

### Limitadoras de presión NG10 en A y B

NG10 Pressure relief valve in A and B

Limiteur de pression NG10 en A et B

Valvola regolatrice di pressione NG10 - A e B



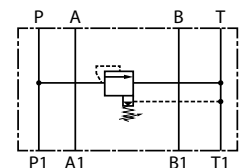
| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| LPKV-10-D-100 H       | NG-10          | 70                                       | 315                                       | 5 - 100                             | - |
| LPKV-10-D-315 H       | NG-10          | 70                                       | 315                                       | 5 - 350                             | - |

### Limitadoras de presión NG10 en P

NG10 Pressure relief valve in P

Limiteur de pression NG10 en P

Valvola regolatrice di pressione NG10 - P



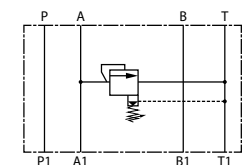
| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | REGULATION RATE (BAR)<br>CAMPO DE REGULACION (BAR) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| LPKV-10-P-100 H       | NG-10          | 70                                       | 315                                       | 0 - 100                                            | - |
| LPKV-10-P-315 H       | NG-10          | 70                                       | 315                                       | 0 - 315                                            | - |

### Limitadoras de presión NG10 en A

NG10 Pressure relief valve in A

Limiteur de pression NG10 en A

Valvola regolatrice di pressione NG10 - A



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| LPKV-10-A-100 H       | NG-10          | 70                                       | 315                                       | 5 - 100                             | - |
| LPKV-10-A-315 H       | NG-10          | 70                                       | 315                                       | 5 - 350                             | - |

## ELECTROVÁLVULAS

Solenoid valves  
Électro-distributeurs  
Elettrovalvole

TrAle®

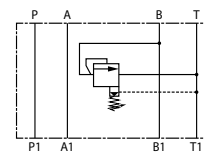


### Limitadoras de presión NG10 en B

NG10 Pressure relief valve in B

Limiteur de pression NG10 en B

Valvola regolatrice di pressione NG10 - B



| Part n°<br>Referencia  | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|------------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| <b>LPKV-10-B-100 H</b> | NG-10          | 70                                       | 315                                       | 5 - 100                             | - |
| <b>LPKV-10-B-315 H</b> | NG-10          | 70                                       | 315                                       | 5 - 350                             | - |

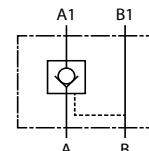


### Válvula antirretorno pilotada NG10 en A

NG10 Pilot check valve in A

Valve antiretour en A piloté NG10

Valvola di blocco semplice pilotata NG10 - A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>APKV-10-A H</b>    | NG-10          | 70                                       | 315                                       | - |

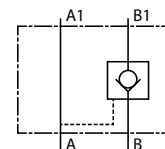


### Válvula antirretorno pilotada NG10 en B

NG10 Pilot check valve in B

Valve antiretour en B piloté NG10

Valvola di blocco semplice pilotata NG10 - B



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>APKV-10-B H</b>    | NG-10          | 70                                       | 315                                       | - |

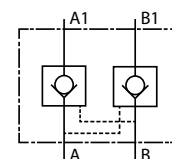


### Válvula antirretorno pilotada NG10 en A y B

NG10 Double pilot check valve in A and B

Valve antiretour double piloté en A et B NG10

Valvola di blocco pilotata NG10 - A e B



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>APKV-10-D H</b>    | NG-10          | 70                                       | 315                                       | - |

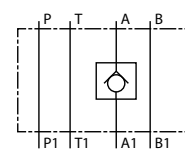


### Válvula antirretorno no pilotada NG10 en A

NG10 Check valve in A

Valve antiretour NG10 en A

Valvola di blocco non pilotata NG10 - A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>AKV-10-A H</b>     | NG-10          | 100                                      | 315                                       | - |

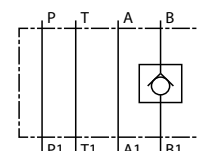


### Válvula antirretorno no pilotada NG10 en B

NG10 Check valve in B

Valve antiretour NG10 en B

Valvola di blocco non pilotata NG10 - B



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>AKV-10-B H</b>     | NG-10          | 100                                      | 315                                       | - |

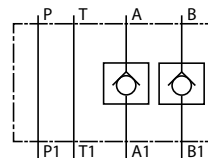


### Válvula antirretorno no pilotada NG10 en A y B

NG10 Double check valve in A and B

Valve antiretour NG10 en A y B

Valvola di blocco non pilotata NG10 - A e B



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| AKV-10-D H            | NG-10          | 100                                      | 315                                       | - |

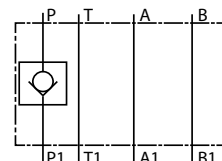


### Válvula antirretorno no pilotada NG10 en P

NG10 Check valve in P

Valve antiretour NG10 en P

Valvola di blocco non pilotata NG6 - P



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|---|
| AKV-10-P H            | NG-10          | 100                                      | 315                                       | - |

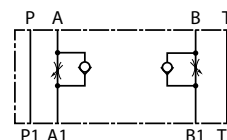


### Válvula reguladora de caudal NG10 en A y B con antirretorno

NG10 Flow control valve in A and B with check valve

Étrangleur de débit NG10 en A et B avec antirretour

Valvola regolatrice di portata NG10 in A e B con ritegno



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | FLOW (L/MIN)<br>CAUDAL (L/MIN) | € |
|-----------------------|----------------|-------------------------------------------|--------------------------------|---|
| RCKV-10-D H           | NG-10          | 315                                       | 50                             | - |

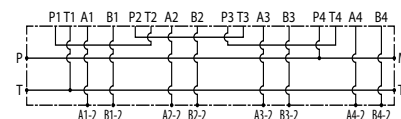


### Placa base NG10 montaje en serie - sin limitadora, salidas A y B laterales

Series subplate for NG 10 directional valve without relief valve, A & B side ports

Embase pour électro-distributeur NG10, sans limiteur, en série, sorties A et B latérales

Piastra base NG10 montaggio in serie-senza valv. max-uscita A e B laterali



| Part n°<br>Referencia | SIZE<br>TAMANO | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | FLOW (L/MIN)<br>CAUDAL (L/MIN) | € |
|-----------------------|----------------|------------------------------------------|--------------------------------|---|
| PFNG102SL H           | NG-10          | 2                                        | 60                             | - |
| PFNG103SL H           | NG-10          | 3                                        | 60                             | - |
| PFNG104SL H           | NG-10          | 4                                        | 60                             | - |



### Placa base NG10 montaje en paralelo - sin limitadora, salidas A y B laterales

Parallel subplate for NG10 directional valve without relief valve, A & B side ports

Embase pour électro-distributeur NG10, sans limiteur, en parallèle, sorties A et B latérales

Piastra base NG10 montaggio in parallelo-senza valv. max-uscita A e B laterali



| Part n°<br>Referencia | SIZE<br>TAMANO | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | FLOW (L/MIN)<br>CAUDAL (L/MIN) | € |
|-----------------------|----------------|------------------------------------------|--------------------------------|---|
| PFNG102PL H           | NG-10          | 2                                        | 120                            | - |
| PFNG103PL H           | NG-10          | 3                                        | 120                            | - |
| PFNG104PL H           | NG-10          | 4                                        | 120                            | - |
| PFNG105PL H           | NG-10          | 5                                        | 120                            | - |

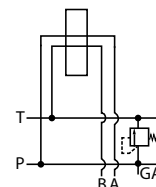


### Placa base NG10 de 1 elemento con limitadora, salidas A y B laterales

Subplate for NG10 directional valves, one element, with relief valve, A & B side ports

Embase pour électro-distributeur NG10, un élément, avec limiteur, sorties A et B latérales

Piastra base NG10 a un elemento con valv. Max - uscita A e B laterali



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMANO | MAX. FLOW (L/MIN)<br>CAUDAL MAX. (L/MIN) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|------------------------------------------|---|
| PF1NG10CL180 H        | 1/2" BSP        | NG-10          | 80                                       | 315                                       | 20-250                              | 1                                        | - |



# ELECTROVÁLVULAS

Solenoid valves  
Électro-distributeurs  
Elettrovalvole

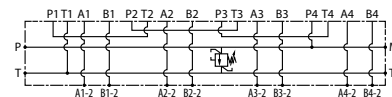
TrAle®

## Placa base NG10 montaje en serie - con limitadora, salidas A y B laterales

Series subplate for NG10 directional valve with relief valve, A & B side ports

Embase pour électro-distributeur NG10, avec limiteur, en série, sorties A et B latérales

Piastra base NG10 montaggio in serie-con valv. max-uscita A e B laterali



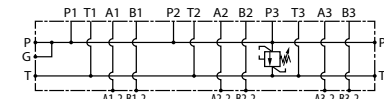
| Part n°<br>Referencia | SIZE<br>TAMANO | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | FLOW (L/MIN)<br>CAUDAL (L/MIN) | € |
|-----------------------|----------------|------------------------------------------|--------------------------------|---|
| PFNG102SLCL180 H      | NG-10          | 2                                        | 60                             | - |
| PFNG103SLCL180 H      | NG-10          | 3                                        | 60                             | - |
| PFNG104SLCL180 H      | NG-10          | 4                                        | 60                             | - |

## Placa base NG10 montaje en paralelo - con limitadora, salidas A y B laterales

Parallel subplate for NG10 directional valves with relief valve, A & B side ports

Embase pour électro-distributeur NG10, avec limiteur, en parallèle, sorties A et B latérales

Piastra base NG10 montaggio in parallelo-con valv. max-uscita A e B laterali



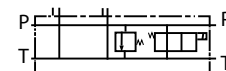
| Part n°<br>Referencia | SIZE<br>TAMANO | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | FLOW (L/MIN)<br>CAUDAL (L/MIN) | € |
|-----------------------|----------------|------------------------------------------|--------------------------------|---|
| PFNG102PLCL180 H      | NG-10          | 2                                        | 120                            | - |
| PFNG103PLCL180 H      | NG-10          | 3                                        | 120                            | - |
| PFNG104PLCL180 H      | NG-10          | 4                                        | 120                            | - |
| PFNG105PLCL180 H      | NG-10          | 5                                        | 120                            | - |

## Placa base NG10 Mont. en paralelo con limit., cavidad venting, electr.insert,salidas A y B laterales

Parallel subplate for NG10 direct.valve w/ relief valve, venting cavity, ins.dir.valv,A-B side ports

Embase pour électro-distribut.-NG10, vec lim.,en parall.,cavité venting,élec.ins,sorties A- B latér.

Piastra base NG10 montaggio in parallelo-con valv. max-cavità venting-ins. elettr.-uscita A e B late



| Part n°<br>Referencia | THREAD<br>ROSCA | DIRECT. VALVES NR.<br>N° ELECTROVÁLVULAS | FLOW (L/MIN)<br>CAUDAL (L/MIN) | € |
|-----------------------|-----------------|------------------------------------------|--------------------------------|---|
| PVNG102PLCL180 H      | 1/2" BSP        | 2                                        | 120                            | - |
| PVNG103PLCL180 H      | 1/2" BSP        | 3                                        | 120                            | - |
| PVNG104PLCL180 H      | 1/2" BSP        | 4                                        | 120                            | - |
| PVNG105PLCL180 H      | 1/2" BSP        | 5                                        | 120                            | - |

Ver electrov.venting insert. del catálogo (SAE12-Cav.22.23 y especificar volt.) / See venting dir.valve in the catalogue (SAE12-Cav.22.23 and specify volt.) / Voir électroventing dans le catalogue (SAE12-Cav.22.23 et indiquez le volt.) / Vedere elettrovalvola di venting nel catalogo (SAE12-Cav.22.23 e specificare volt)

## Placa base ciega NG10

Cover plate for NG10

Embase d'annulation pour électro-distributeur NG10

Piastra di base cieca NG10

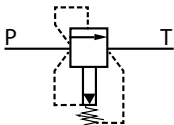
| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|----------------------------|---|
| PBCNG10S H            | Series                     | - |
| PBCNG10P H            | Parallel                   | - |

Limitadora de presión - placa base NG10

Pressure relief valve - NG10 subplate

Limiteur de pression - Embase NG10

Limitatrice di pressione - piastra base NG10



| Part n°<br>Referencia | MAX. FLOW (l/min)<br>CAUDAL MÁXIMO (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|--------------------------------------------|-------------------------------------------|-------------------------------------|---|
| LIMNG10 H             | 90                                         | 250                                       | 20-250                              | - |

PRESOSTATOS · PRESSURE SWITCHES



Monocontacto regulables - Normalmente abierto  
Monocontacto regulables - Normalmente cerrado  
Conmutados regulables  
Conmutados regulables a pistón

Monocontact pressure switch - Normally open  
Monocontact pressure switch - Normally close  
Adjustable pressure switch  
Adjustable pressure switch piston

VÁLVULAS HIDRÁULICAS · HYDRAULIC VALVE

TrΔle® GreenLine



Antirretornos Simples Pilotados  
Antirretornos Dobles Pilotados Bloque En T  
Overcenter Balanceadas Doble Efecto  
Limitadoras Dobles En Línea

Pilot operated line single check valve  
Pilot operated double check valve in block (in T)  
Double acting balanced overcenter  
Dual cross direct acting steel relief valve

# ELECTROVÁLVULAS

Solenoid valves  
Électro-distributeurs  
Elettrovalvole

TrAie®

PUMPS

CONTROL COMPONENTS

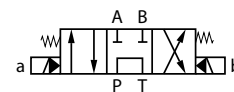


## Electroválvula direccional NG16 corredera n°1

NG16 Solenoid valve - spool no.1

Électro NG16 - tiroir n°1

Elettrovalvola direzionale NG16 - cursore n°1



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG16-1-12CC H       | NG-16          | 12 VDC                     | 300                                      | 350                                       | - |
| KVNG16-1-24CC H       | NG-16          | 24 VDC                     | 300                                      | 350                                       | - |
| KVNG16-1-110CA H      | NG-16          | 110 VAC                    | 300                                      | 350                                       | - |
| KVNG16-1-220CA H      | NG-16          | 220 VAC                    | 300                                      | 350                                       | - |

MOTION DEVICE

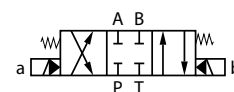


## Electroválvula direccional NG16 corredera n°2

NG16 Solenoid valve - spool no.2

Électro NG16 - tiroir n°2

Elettrovalvola direzionale NG16 - cursore n°2



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG16-2-12CC H       | NG-16          | 12 VDC                     | 300                                      | 350                                       | - |
| KVNG16-2-24CC H       | NG-16          | 24 VDC                     | 300                                      | 350                                       | - |
| KVNG16-2-110CA H      | NG-16          | 110 VAC                    | 300                                      | 350                                       | - |
| KVNG16-2-220CA H      | NG-16          | 220 VAC                    | 300                                      | 350                                       | - |

ACCESSORIES

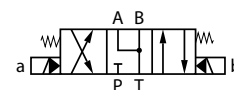


## Electroválvula direccional NG16 corredera n°3

NG16 Solenoid valve - spool no.3

Électro NG16 - tiroir n°3

Elettrovalvola direzionale NG16 - cursore n°3



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG16-3-12CC H       | NG-16          | 12 VDC                     | 300                                      | 350                                       | - |
| KVNG16-3-24CC H       | NG-16          | 24 VDC                     | 300                                      | 350                                       | - |
| KVNG16-3-110CA H      | NG-16          | 110 VAC                    | 300                                      | 350                                       | - |
| KVNG16-3-220CA H      | NG-16          | 220 VAC                    | 300                                      | 350                                       | - |

MINI POWER PACKS

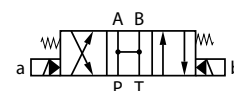


## Electroválvula direccional NG16 corredera n°4

NG16 Solenoid valve - spool no.4

Électro NG16 - tiroir n°4

Elettrovalvola direzionale NG16 - cursore n°4



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG16-4-12CC H       | NG-16          | 12 VDC                     | 300                                      | 350                                       | - |
| KVNG16-4-24CC H       | NG-16          | 24 VDC                     | 300                                      | 350                                       | - |
| KVNG16-4-110CA H      | NG-16          | 110 VAC                    | 300                                      | 350                                       | - |
| KVNG16-4-220CA H      | NG-16          | 220 VAC                    | 300                                      | 350                                       | - |

HYDRAULIC COMPONENTS  
GREENLINE

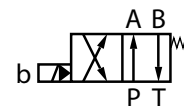


## Electroválvula direccional NG16 corredera n°22

NG16 Solenoid valve - spool no.22

Électro NG16 - tiroir n°22

Elettrovalvola direzionale NG16 - cursore n°22



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG16-22-12CC H      | NG-16          | 12 VDC                     | 300                                      | 350                                       | - |
| KVNG16-22-24CC H      | NG-16          | 24 VDC                     | 300                                      | 350                                       | - |
| KVNG16-22-110CA H     | NG-16          | 110 VAC                    | 300                                      | 350                                       | - |
| KVNG16-22-220CA H     | NG-16          | 220 VAC                    | 300                                      | 350                                       | - |



### Cartucho de precarga de presión para válvula NG16 TrAle

Preload pressure cartridge for TrAle NG16 valve

Cartouche precharge de pression pour valve NG16 TrAle

Cartuccia di precarica di pressione per valvola NG16 TrAle

| Part n°<br>Referencia | SIZE<br>TAMANO | € |
|-----------------------|----------------|---|
| CARTPILNG16           | NG-16          | - |

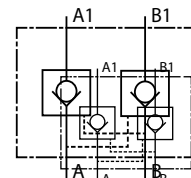


### Válvula antirretorno doble pilotada ng16

Double pilot operated non-return valve NG16

Clapet anti-retour à double pilotage ng16

Valvola di non ritorno a doppio pilotaggio ng16



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|-----------------------------------------|-------------------------------------------|---|
| APKV-16-D H           | NG16           | 300                                     | 350                                       | - |



### Placa base NG16

Subplate for NG16

Embase pour NG16

Piastra base NG16

| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMANO | FLOW (L/MIN)<br>CAUDAL (L/MIN) | Points A-B-P-T<br>Tomas A-B-P-T | € |
|-----------------------|-----------------|----------------|--------------------------------|---------------------------------|---|
| PFNG1634 H            | 3/4" BSP        | NG-16          | 300                            | -                               | - |
| PFNG1634L H           | 3/4" BSP        | NG-16          | 300                            | SIDE                            | - |
| PFNG16100 H           | 1" BSP          | NG-16          | 300                            | -                               | - |
| PFNG16100L H          | 1" BSP          | NG-16          | 300                            | SIDE                            | - |



### Conectores con led DIN 43650

Connectors with DIN 43650 led

Connecteurs avec led DIN 43650

Connettori con Led DIN 43650

| Part n°<br>Referencia | PINS<br>PATILLAS | VOLTAGE (V)<br>VOLTAJE (V) | € |
|-----------------------|------------------|----------------------------|---|
| CONLED12CC H          | 3                | 12 VDC                     | - |
| CONLED24CC H          | 3                | 24 VDC                     | - |
| CONLED220CA H         | 3                | 220 VAC                    | - |
| CONLED110CA H         | 3                | 110 VAC                    | - |
| CONLEDCC4P            | 4                | 12 / 24 VDC                | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

# ELECTROVÁLVULAS

Solenoid valves  
Électro-distributeurs  
Elettrovalvole

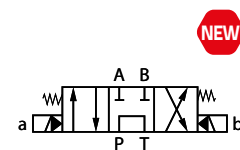
TrAle®

## Electrovalvula direccional NG25 corredera N°1

NG25 solenoid valve - spool N°1

Électro NG25 - tiroir n° 1

Elettrovalvola direzionale NG25 scorrevole N°1



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG25-1-12CC H       | NG25           | 12VDC                      | 600                                      | 420                                       | - |
| KVNG25-1-24CC H       | NG25           | 24VDC                      | 600                                      | 420                                       | - |
| KVNG25-1-220AC H      | NG25           | 220VAC                     | 600                                      | 420                                       | - |

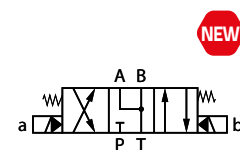
Placas Base NG25 Consultar Disponibilidad / NG25 Base Plates Check Availability / Plaques de base NG25 Vérifier la disponibilité / Piastre di base NG25 Verificare la disponibilità

## Electroválvula direccional NG25 corredera N°3

NG25 solenoid valve - spool N°3

Électro NG25 - tiroir n° 3

Elettrovalvola direzionale NG25 scorrevole N°3



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG25-3-12CC H       | NG25           | 12VDC                      | 600                                      | 420                                       | - |
| KVNG25-3-24CC H       | NG25           | 24VDC                      | 600                                      | 420                                       | - |
| KVNG25-3-220AC H      | NG25           | 220VAC                     | 600                                      | 420                                       | - |

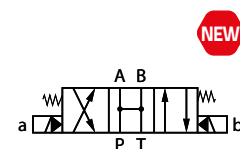
Placas Base NG25 Consultar Disponibilidad / NG25 Base Plates Check Availability / Plaques de base NG25 Vérifier la disponibilité / Piastre di base NG25 Verificare la disponibilità

## Electroválvula direccional NG25 corredera N°6

NG25 solenoid valve - spool N°6

Électro NG25 - tiroir n° 6

Elettrovalvola direzionale NG25 scorrevole N°6



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVNG25-6-12CC H       | NG25           | 12VDC                      | 600                                      | 420                                       | - |
| KVNG25-6-24CC H       | NG25           | 24VDC                      | 600                                      | 420                                       | - |
| KVNG25-6-220AC H      | NG25           | 220VAC                     | 600                                      | 420                                       | - |

Placas Base NG25 Consultar Disponibilidad. Para otras correderas consultar. / NG25 Base Plates Check Availability. Other Spool under request / Plaques de base NG25 Vérifier la disponibilité. Consulter d'autres tiroirs / Piastre di base NG25 Verificare la disponibilità. Consultare altri cursori.

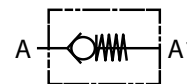
### Válvula antirretorno en línea



Check-valve

Clapet antiretour simple en ligne

Valvola di ritegno in linea



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|---|
| VT001004              | 1/4" BSP        | 12                                       | 350                                       | 0.5 bar                       | - |
| VT0010045             | 1/4" BSP        | 12                                       | 350                                       | 5 bar                         | - |
| VT001006              | 3/8" BSP        | 30                                       | 350                                       | 0.5 bar                       | - |
| VT0010065             | 3/8" BSP        | 30                                       | 350                                       | 5 bar                         | - |
| VT001008              | 1/2" BSP        | 45                                       | 320                                       | 0.5 bar                       | - |
| VT0010085             | 1/2" BSP        | 45                                       | 320                                       | 5 bar                         | - |
| VT001012              | 3/4" BSP        | 85                                       | 300                                       | 0.5 bar                       | - |
| VT0010125             | 3/4" BSP        | 85                                       | 300                                       | 5 bar                         | - |
| VT001016              | 1" BSP          | 140                                      | 250                                       | 0.5 bar                       | - |
| VT0010165             | 1" BSP          | 140                                      | 250                                       | 5 bar                         | - |
| VT001020              | 1"1/4 BSP       | 200                                      | 250                                       | 0.5 bar                       | - |
| VT001024              | 1"1/2 BSP       | 280                                      | 250                                       | 0.5 bar                       | - |

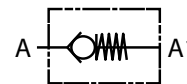
### Válvula antirretorno en línea (NPT)



NPT Check-valve line mounting

Clapet antiretour simple en ligne NPT

Valvola di ritegno in linea (NPT)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|---|
| VT001004NPT           | 1/4" NPT        | 12                                       | 350                                       | 0.5                           | - |
| VT001006NPT           | 3/8" NPT        | 30                                       | 350                                       | 0.5                           | - |
| VT001008NPT           | 1/2" NPT        | 45                                       | 320                                       | 0.5                           | - |
| VT001012NPT           | 3/4" NPT        | 85                                       | 300                                       | 0.5                           | - |
| VT001016NPT           | 1" NPT          | 140                                      | 250                                       | 0.5                           | - |
| VT001020NPT           | 1"1/4 NPT       | 200                                      | 250                                       | 0.5                           | - |
| VT001024NPT           | 1"1/2 NPT       | 280                                      | 250                                       | 0.5                           | - |

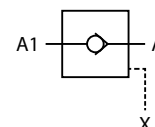
### Válvula antirretorno simple pilotaje



Single pilot operated check valve

Clapet antiretour simple piloté (en ligne)

Valvola di ritegno pilotata semplice, montaggio in linea



| Part n°<br>Referencia | THREAD<br>ROSCA | PILOT<br>PILOTAJE | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|-------------------|------------------------------------------|-------------------------------------------|---|
| VT002004              | 1/4" BSP        | 1/4" BSP          | 12                                       | 350                                       | - |
| VT002006              | 3/8" BSP        | 1/4" BSP          | 30                                       | 310                                       | - |
| VT002008              | 1/2" BSP        | 1/4" BSP          | 45                                       | 310                                       | - |

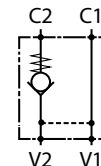
### Válvula antirretorno simple pilotaje bloque en línea



Single pilot operated check valve in block

Bloc avec antiretour simple piloté en ligne

Valvola di blocco pilotata semplice, montaggio in linea - blocco in alluminio



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VT004006              | 3/8" BSP        | 30                                       | 250                                       | - |
| VT004008              | 1/2" BSP        | 45                                       | 250                                       | - |



# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

**TrAle®**

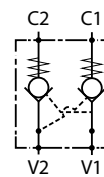


## Válvula antirretorno doble pilotaje bloque en línea

Double pilot operated check valve

Bloc avec antiretour double piloté en ligne

Valvola di blocco doppia in linea - alluminio



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>VT003006</b>       | 3/8" BSP        | 30                                       | 250                                       | - |
| <b>VT003008</b>       | 1/2" BSP        | 45                                       | 250                                       | - |

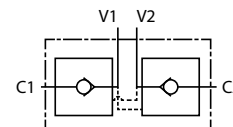


## Válvula antirretorno doble pilotaje bloque (en T)

Double pilot operated check valve in block (in T)

Bloc avec antiretour double piloté (en T)

Valvola di blocco pilotata doppia in linea (in T)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>VT008004</b>       | 1/4" BSP        | 12                                       | 350                                       | - |
| <b>VT008006</b>       | 3/8" BSP        | 30                                       | 300                                       | - |
| <b>VT00800620</b>     | 3/8" BSP        | 20                                       | 300                                       | - |
| <b>VT008008</b>       | 1/2" BSP        | 45                                       | 300                                       | - |

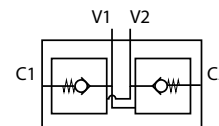


## Válvula antirretorno doble pilotaje bloque, con racores DIN 2353

Double pilot operated check valve in block with fittings DIN 2353

Bloc avec antiretour double piloté avec raccords DIN 2353

Valvola di blocco pilotata doppia, con due raccordi DIN 2353



| Part n°<br>Referencia | PIPE<br>TUBO | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|--------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>VT008006202RO</b>  | 12           | 3/8" BSP        | 20                                       | 250                                       | - |



## Racor orientable, macho fijo métrico para tubo 12L

Swivel fitting, male metric fixed pipe 12L

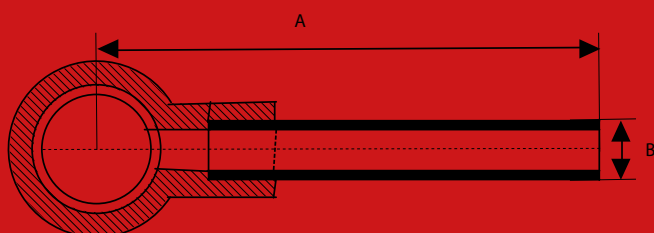
Raccord tournant, tube fixe métrique mâle 12L

Raccordo ad occhio filettato maschio metrico 12L

| Part n°<br>Referencia | PIPE<br>TUBO | THREAD<br>ROSCA | BANJO | € |
|-----------------------|--------------|-----------------|-------|---|
| <b>ROR3/8T12L</b>     | 12L          | M18X1.5         | 3/8"  | - |

## TUBOS CON ORIENTABLE PARA MONTAJE DE VÁLVULA-CILINDRO

### PIPE WITH BANJO FOR CYLINDER CHECK VALVES



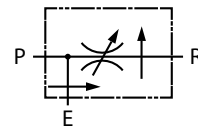
| A          | B         |
|------------|-----------|
| <b>42</b>  | <b>12</b> |
| <b>200</b> | <b>12</b> |
| <b>300</b> | <b>12</b> |
| <b>400</b> | <b>12</b> |
| <b>500</b> | <b>12</b> |

VER PÁGINA 184  
SEE PAGE 184



### Regulador de caudal compensado 3 vías - Excedente a otro circuito

3 ways compensated flow control valve - Excess flow can be used in separate circuit  
Régulateur débit compensé 3 voies - Débit résiduel disponible pour une autre fonction  
Regolatore di flusso compensato 3 vie - eccedente ad altro circuito

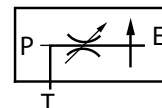


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. REG. FLOW (l/min)<br>CAUDAL MAX. REG. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|----------------------------------------------------|-------------------------------------------|---|
| VRF38                 | 3/8" BSP        | 50                                       | 30                                                 | 250                                       | - |
| VRF12                 | 1/2" BSP        | 90                                       | 50                                                 | 250                                       | - |
| VRF34                 | 3/4" BSP        | 150                                      | 90                                                 | 250                                       | - |



### Reguladores caudal compensados 3 vías - Excedente a tanque

3 ways compensated flow control valve - Excess flow to tank  
Régulateur débit compensé 3 voies - Débit résiduel vers réservoir  
Regolatore di flusso compensato - eccedente al serbatoio

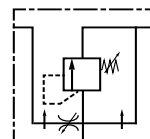


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. REG. FLOW (l/min)<br>CAUDAL MAX. REG. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|----------------------------------------------------|-------------------------------------------|---|
| VT015008              | 1/2" BSP        | 90                                       | 50                                                 | 250                                       | - |
| VT015012              | 3/4" BSP        | 150                                      | 90                                                 | 250                                       | - |



### Regulador de caudal compensado 3 vías - Cuerpo fundido con limitadora

3 ways compensated flow control valve - Molten body with pressure relief valve  
Régulateur débit compensé 3 voies - Corps fondu avec limiteur de pression  
Regolatore di flusso compensato 3 vie - Corpo in fusione con limitatrice

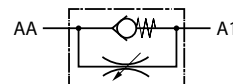


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. REG. FLOW (l/min)<br>CAUDAL MAX. REG. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|----------------------------------------------------|-------------------------------------------|---|
| VRCL 38               | 3/8" BSP        | 30                                       | 0-30                                               | 200                                       | - |
| VRCL 12               | 1/2" BSP        | 60                                       | 0-60                                               | 200                                       | - |
| VRCL 34               | 3/4" BSP        | 110                                      | 0-110                                              | 200                                       | - |



### Regulador de caudal unidireccional (vol.plástico)

Unidirectional flow restrictor valve (plastic knob)  
Étrangleur de débit unidirectionnel (molette plastique)  
Valvola regolatrice di flusso unidirezionale (manopola di plastica)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VT013012              | 3/4" BSP        | 85                                       | 250                                       | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

Ver alternativa reguladores de caudal RCU / Alternative to RCU valves / Alternative aux valves RCU / Vedere alternativa regolatori di flusso RCU

**CONSULTA OTRAS OPCIONES DE REGULADORES EN LA PÁGINA 123**  
**OTHER FLOW CONTROL VALVE ON PAGE 123**



**TrAle®**

UNIDIRECTIONAL

BIDIRECTIONAL

UNIDIRECCIONAL

BIDIRECCIONAL

## VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

TrAle®

**Estrangulador bidireccional (regulable)**

Barrel flow control valve - bidirectionnel

Étrangleur réglable bidirectionnel

Strozzatore bidirezionale (regolabile)



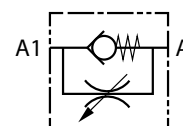
| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VT010004              | 1/4" BSP        | 12                                       | 350                                       | - |
| VT010006              | 3/8" BSP        | 30                                       | 350                                       | - |
| VT010008              | 1/2" BSP        | 45                                       | 310                                       | - |

**Estrangulador unidireccional (regulable)**

Barrel flow control valve - unidirectional

Étrangleur réglable unidirectionnel

Strozzatore unidirezionale (regolabile)



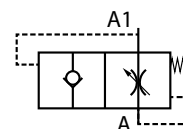
| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VT009004              | 1/4" BSP        | 12                                       | 350                                       | - |
| VT009006              | 3/8" BSP        | 30                                       | 350                                       | - |
| VT009008              | 1/2" BSP        | 50                                       | 350                                       | - |

**Válvula para caídas macho-hembra**

Hose break valve male-female

Valve parachute male-femelle

valvola paracadute Maschio-Femmina



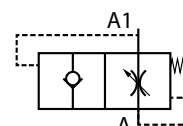
| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VT007004              | 1/4" BSP        | 25                                       | 350                                       | - |
| VT007006              | 3/8" BSP        | 50                                       | 350                                       | - |
| VT007008              | 1/2" BSP        | 80                                       | 350                                       | - |

**Válvula para caídas hembra-hembra**

Hose break valve female-female

Valve parachute femelle-femelle

valvola paracadute Femmina-Femmina



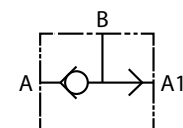
| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VT006004              | 1/4" BSP        | 25                                       | 350                                       | - |
| VT006006              | 3/8" BSP        | 50                                       | 350                                       | - |
| VT006008              | 1/2" BSP        | 80                                       | 350                                       | - |

**Conmutadora o selectora**

Shuttle valve

Valve sélectrice à bille

Commutatrice o seletttrice

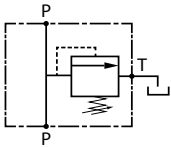


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VT005004              | 1/4" BSP        | 25                                       | 350                                       | - |
| VT005006              | 3/8" BSP        | 50                                       | 350                                       | - |



Limit.pres.línea/regulación tornillo- alum.

Pressure relief valve in line (control screw)  
Limiteur pression en ligne/régulation par vis- aluminium  
Limitatrice pressione in linea/regolazione a vite -alluminio



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | COLOUR<br>COLOR | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|-----------------|---|
| VT0110064020          | 3/8" BSP        | 40                                       | 250                                       | 50                            | 50-220                              | Verde/Green     | - |
| VT0110064035          | 3/8" BSP        | 40                                       | 250                                       | 80                            | 80-350                              | Rojo/Red        | - |
| VT0110087035          | 1/2" BSP        | 70                                       | 250                                       | -                             | 120 - 320                           | Rojo/Red        | - |
| VT0110087035-DER      | 1/2" BSP*       | 70                                       | 250                                       | -                             | 120 - 320                           | Rojo/Red        | - |
| VT0110087020          | 3/4" BSP        | 70                                       | 250                                       | 80                            | 80 - 280                            | Verde/Green     | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento  
VT0110087035-DER 1 entrada (P), 1 salida (T) / VT0110087035-DER 1 input (P), 2 exit (T) / VT0110087035-DER 1 entrée (P), 2 sortie (T) / VT0110087035-DER 1 entrata (P), 1 uscita (T)

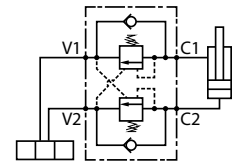
# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

TrAle®

## Válvula Overcenter doble efecto (en línea)

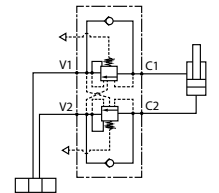
Double acting overcenter valve (in line)  
Valve overcenter double effet (en ligne)  
Valvola overcenter doppio effetto (in linea)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VT0120063535          | 3/8" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VT0120085035          | 1/2" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |

## Válvula Overcenter balanceada D.E. (en línea)

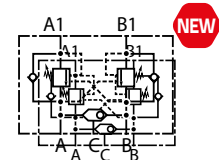
Double acting balanced overcenter valve (line)  
Valve d'équilibrage balancée double effet (en ligne)  
Valvola overcenter bilanciata D.E. (in linea)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VT0160063520          | 3/8" BSP        | 60                                       | 350                                       | 170                           | 60 - 210                            | - |
| VT0160063535          | 3/8" BSP        | 60                                       | 350                                       | 280                           | 80 - 350                            | - |
| VT0160085020          | 1/2" BSP        | 60                                       | 350                                       | 280                           | 60 - 210                            | - |
| VT0160065035          | 1/2" BSP        | 60                                       | 350                                       | 170                           | 80 - 350                            | - |

## Valvulas sobre motor Overcenter

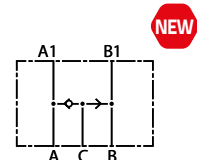
valve overcenter stackable on hydraulic motor  
valve overcenter empilable sur moteur  
Valvole overcenter motore



| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|----------------------------|---|
| VOMOMPRH              | MOMP/R/H                   | - |
| VOMOMS                | MOMS                       | - |
| VOMOMT                | MOMT                       | - |

## Placa Selectora sobre motor

Stackable shuttle valve on hydraulic motor  
valve sélectrice empilable sur moteur  
Piastra di selezione sul motore



| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|----------------------------|---|
| PSELMOMPRH            | MOMP/R/H                   | - |
| PSELMOMS              | MOMS                       | - |

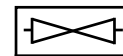


### Protector de manómetro en línea MF-TL recto

Pressure Gauge Protector (in-line) FM-SF straight

Isolateur de manomètre (en ligne) MF-FT droit

Esclusori per manometro in linea M fisso -F gir. diritto



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | €   |
|-----------------------|-----------------|-------------------------------------------|-----|
| FT29004               | 1/4" BSP        | 1/4" BSPT                                 | 350 |
| FT29008               | 1/2" BSP        | 1/2" BSPT                                 | 350 |



### Protector de manómetro en línea MF-TL 90°

Pressure Gauge Protector (in-line) FM-SF 90°

Isolateur de manomètre (en ligne) MF-FT 90°

Esclusori per manometro a 90° M fisso -F gir.



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | €   |
|-----------------------|-----------------|-------------------------------------------|-----|
| FT29104               | 1/4" BSP        | 1/4" BSPT                                 | 350 |



### Adaptador para manómetro en línea TL-MF

Pressure Gauge Adaptor (in-line) SF-FM

Adapteur pour Manomètre (en ligne) FT-MF

Addatore per manometro in linea M fisso -F gir.

| Part n°<br>Referencia | THREAD<br>ROSCA | €         |
|-----------------------|-----------------|-----------|
| FT29942               | 1/4" BSP        | 1/2" BSPT |
| FT29944               | 1/4" BSP        | 1/4" BSPT |



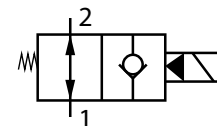
# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

TrAle®

## Válvula 2 vías bidireccional normalmente abierta

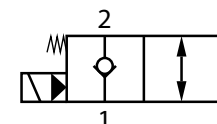
Normally open 2 ways valve  
Valve 2 voies normalement ouverte  
Valvole 2 vie bidirezionale N.A



| Part n°<br>Referencia | THREAD<br>ROSCA  | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | € |
|-----------------------|------------------|----------------------------|------------------------------------------|---|
| VCF38NA12CC           | 3/4"-16 UNF-2A   | 12CC                       | 40                                       | - |
| VCF38NA24CC           | 3/4"-16 UNF-2A   | 24CC                       | 40                                       | - |
| VCF38NA220CC          | 3/4"-16 UNF-2A   | 220RAC                     | 40                                       | - |
| VCF12NA12CC           | 7/8"-14 UNF-2A   | 12CC                       | 60                                       | - |
| VCF12NA24CC           | 7/8"-14 UNF-2A   | 24CC                       | 60                                       | - |
| VCF12NA220CC          | 7/8"-14 UNF-2A   | 220RAC                     | 60                                       | - |
| VCF34NA12CC           | 1"1/16-16 UNF-2A | 12CC                       | 120                                      | - |
| VCF34NA24CC           | 1"1/16-16 UNF-2A | 24CC                       | 120                                      | - |
| VCF34NA220CC          | 1"1/16-16 UNF-2A | 220RAC                     | 120                                      | - |

## Válvula 2 vías bidireccional normalmente cerrada

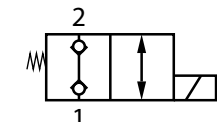
Normally closed 2 ways valve  
Valve 2 voies normalement fermée  
Valvole 2 vie bidirezionale N.C



| Part n°<br>Referencia | THREAD<br>ROSCA  | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | € |
|-----------------------|------------------|----------------------------|------------------------------------------|---|
| VCF38NC12CC           | 3/4"-16 UNF-2A   | 12CC                       | 40                                       | - |
| VCF38NC24CC           | 3/4"-16 UNF-2A   | 24CC                       | 40                                       | - |
| VCF38NC220CC          | 3/4"-16 UNF-2A   | 220RAC                     | 40                                       | - |
| VCF12NC12CC           | 7/8"-14 UNF-2A   | 12CC                       | 60                                       | - |
| VCF12NC24CC           | 7/8"-14 UNF-2A   | 24CC                       | 60                                       | - |
| VCF12NC220CC          | 7/8"-14 UNF-2A   | 220RAC                     | 60                                       | - |
| VCF34NC12CC           | 1"1/16-16 UNF-2A | 12CC                       | 120                                      | - |
| VCF34NC24CC           | 1"1/16-16 UNF-2A | 24CC                       | 120                                      | - |
| VCF34NC220CC          | 1"1/16-16 UNF-2A | 220RAC                     | 120                                      | - |

## Válvula 2 vías bidireccional normalmente cerrada con doble antirretorno

Normally closed 2 ways valve with double pilot check valve  
Valve 2 voies normalement fermée avec antiretour double  
Valvole 2 vie bidirezionale N.C. con doppio ritegno



| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| VCFDA3812NC           | 3/4"-16 UNF-2A  | 12CC                       | 20                                       | 250                                       | - |
| VCFDA3824NC           | 3/4"-16 UNF-2A  | 24CC                       | 20                                       | 250                                       | - |
| VCFDA38220NC          | 3/4"-16 UNF-2A  | 220RAC                     | 20                                       | 250                                       | - |
| VCFDA1212NC           | 7/8"-14 UNF-2A  | 12CC                       | 30                                       | 220                                       | - |
| VCFDA1224NC           | 7/8"-14 UNF-2A  | 24CC                       | 30                                       | 220                                       | - |
| VCFDA12220NC          | 7/8"-14 UNF-2A  | 220RAC                     | 30                                       | 220                                       | - |

## Bloque 2 vías

Block 2 ways  
Bloque 2 voies  
Blocco a 2 vie

| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMANO | € |
|-----------------------|-----------------|----------------|---|
| CVE08F                | 3/4-16UNF       | SAE 08         | - |
| CVE10F38              | 7/8-14UNF       | SAE 10         | - |
| CVE10F                | 7/8-14UNF       | SAE 10         | - |
| CVE12F                | 1"1/16-12UNF    | SAE 12         | - |



### Bloque 3 vías

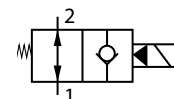
Block 3 ways  
Bloque 3 voies  
Blocco a 3 vie

| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | € |
|-----------------------|-----------------|----------------|---|
| <b>CVE308F</b>        | 3/4-16UNF       | 3/8" BSP       | - |
| <b>CVE310F</b>        | 7/8-14UNF       | 3/8" BSP       | - |

### Válvulas de acc. eléctrico insertable normalmente abierta pilotada



Cartridge valve normally opened solenoid control  
Valve cartouche normalement ouverte  
Valvole a cartuccia ad azionamento elettrico N.A. pilotata

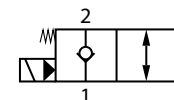


| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>VENA08F</b>        | 3/4-16UNF       | SAE08          | 40                                       | 350                                       | - |
| <b>VENA10F</b>        | 7/8-14UNF       | SAE10          | 60                                       | 350                                       | - |
| <b>VENA12F</b>        | 1"1/16-12UNF    | SAE12          | 150                                      | 350                                       | - |

### Válvulas de acc. eléctrico insertable normalmente cerrada pilotada



Cartridge valve normally closed solenoid control  
Valve cartouche normalement fermée  
Valvole a cartuccia ad azionamento elettrico N.C. pilotata

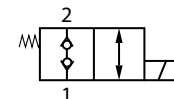


| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>VENC08F</b>        | 3/4-16UNF       | SAE08          | 40                                       | 350                                       | - |
| <b>VENC10F</b>        | 7/8-14UNF       | SAE10          | 60                                       | 350                                       | - |
| <b>VENC12F</b>        | 1"1/16-12UNF    | SAE12          | 150                                      | 350                                       | - |

### Válvulas de acc. eléctrico insertable cerrada, doble antirretorno



Cartridge valve normally closed, double pilot check valve  
Valve cartouche normalement fermée, double antiretour  
Valvole a cartuccia ad azionamento elettrico N.C., doppio ritegno

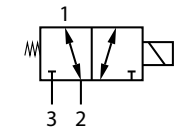


| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>VEDA08F</b>        | 3/4-16 UNF      | SAE08          | 20                                       | 250                                       | - |
| <b>VEDA10F</b>        | 7/8-14 UNF      | SAE10          | 30                                       | 220                                       | - |

### Válvulas de acc. eléctrico insertable 3 vías



Cartridge valve 3 ways  
Valve cartouche 3 voies  
Valvole a cartuccia ad azionamento elettrico a 3 vie

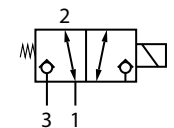


| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>VECO08F</b>        | 3/4-16UNF       | SAE08          | 12                                       | 310                                       | - |
| <b>VECO10F</b>        | 7/8-14UNF       | SAE10          | 35                                       | 310                                       | - |

### Válvulas de acc. eléctrico insertable 3 vías con antirretornos



Cartridge valve 3 ways with check valve  
Cartouche valve 3 voies avec antiretour  
Valvole per azionamento elettrico a cartuccia a 3 vie con antirritorno



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>ALVEAR06F</b>      | 7/8"-14 UNF     | SAE10          | 35                                       | 220                                       | - |

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

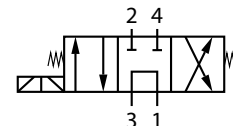
TrAle®

## Válvulas de acc.electrico insertable 4 vias 3 pos.corr.n°2

Cartridge valve 4 ways 3 pos. spool no.2

Valve cartouche 4 voies 3 pos.tiroir n°2

Valvole a cartuccia ad azionamento elettrico a 4 vie, 3 posiz., cursore n. 2



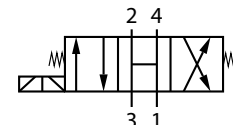
| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| VECM08F               | 3/4-16UNF       | SAE 08         | 12                                       | 220                                       | - |
| VECM10F               | 7/8-14UNF       | SAE 10         | 35                                       | 310                                       | - |

## Válvulas de acc.electrico insertable 4 vias 3 pos.corr.n°3

Cartridge valve 4 ways 3 pos. spool no.3

Valve cartouche 4 voies 3 pos.tiroir n°3

Valvole a cartuccia ad azionamento elettrico a 4 vie, 3 posiz., cursore n. 3



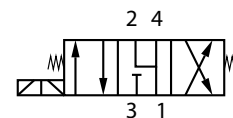
| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| VEDE10F               | 7/8-14UNF       | SAE10          | 35                                       | 310                                       | - |

## Válvulas de acc.electrico insertable 4 vias 3 pos.corr.n°6

Cartridge valve 4 ways 3 pos. spool no.6

Valve cartouche 4 voies 3 pos.tiroir n°6

Valvole a cartuccia ad azionamento elettrico a 4 vie, 3 posiz., cursore n. 6



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| VEFL08F               | 3/4-16UNF       | SAE08          | 12                                       | 220                                       | - |
| VEFL10F               | 7/8-14UNF       | SAE10          | 35                                       | 310                                       | - |

## Bobinas

solenoid

Bobines

Bobine



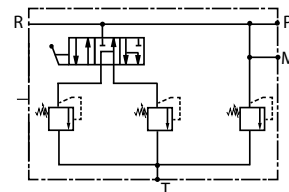
| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAGE (V) | POWER (W)<br>POTENCIA (W) | PROTECTION (IP)<br>PROTECCIÓN (IP) | € |
|-----------------------|----------------|----------------------------|---------------------------|------------------------------------|---|
| BOF3812CC             | SAE 08         | 12 VDC                     | 22                        | IP 65                              | - |
| BOF3824CC             | SAE 08         | 24 VDC                     | 22                        | IP 65                              | - |
| BOF1212CC             | SAE 10         | 12 VDC                     | 26                        | IP 65                              | - |
| BOF1224CC             | SAE 10         | 24 VDC                     | 26                        | IP 65                              | - |
| BOF3412CC             | SAE 12         | 12 VDC                     | 22                        | IP 65                              | - |
| BOF3424CC             | SAE 12         | 24 VDC                     | 22                        | IP 65                              | - |

Para bobinas 220 SAE 8 y SAE 12 ver BOBYPET 220CA H (p. 34). Para bobinas 220 SAE 10 ver CB10220AC (p. 210) / For SAE 8 & 12 -220 Coils- see BOBYPET 220CA H (p. 34). For 220 Coils SAE 10 see CB10220AC (p. 210) / Pour les bobines 220 SAE 8 & 12 voir BOBYPET 220CA H (p. 34). Pour les bobines 220 SAE 10 voir CB10220AC (p. 210) / Per le bobine SAE 8 e 12 -220 vedere BOBYPET 220CA H (p. 34). Per le bobine 220 SAE 10 vedere CB10220AC (p. 210)



### Válvula de frenado 3 vías (con retorno)

Brake valve 3 ways (external drain)  
Valve de freinage 3 voies (drainage externe)  
Valvola di frenaggio a 3 vie (con ritorno)



| Part n°<br>Referencia | FLOW (l/min)<br>CAUDAL (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|--------------------------------|-------------------------------------------|-------------------------------------|---|
| VFREG3P               | 20                             | 250                                       | 30-250                              | - |



### Válvula de frenado 2 vías (sin retorno)

Brake valve 2 ways (internal drain)  
Valve de freinage 2 voies (drainage interne)  
Valvola di frenaggio a 2 vie (senza ritorno)

| Part n°<br>Referencia | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| VFREC3VIT             | 50                                       | 250                                       | 10-180                              | - |

**NO NECESITA RETORNO  
NO DRAIN LINE REQUIRED**

**EL MÁS COMPACTO DEL MERCADO  
EXTRA COMPACT DESIGN**

**BLOQUE MANUAL DE FRENO AJUSTABLE  
TRAILER BRAKE ADJUSTABLE VALVE**

Sistema de frenado de conducto único hidráulico para homologación de remolques agrícolas y equipos intercambiables remolcados cumpliendo el Reglamento UE 2015/68

*Adapted to EU 2015/68 regulation for vehicle braking systems based on one single hydraulic line*

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

**TrAle®**

## Válvula frenado doble circuito

Break valve for double line hydraulic system

Valve de freinage à double circuit

Valvola freno a doppio circuito

NEW



| Part n°<br>Referencia | DETAILS<br>DETALLES        | € |
|-----------------------|----------------------------|---|
| <b>BVA-E-A3</b>       | DUAL CIRCUIT BRAKING VALVE | - |

## VÁLVULA PARA SISTEMAS DE FRENADO HIDRÁULICO DOBLE LÍNEA

BREAK VALVE FOR DUAL LINE HYDRAULIC SYSTEM

NEW



*Según nueva normativa europea*

**EU 2015/68**

*Adapted to EU 2015/68 regulation*

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

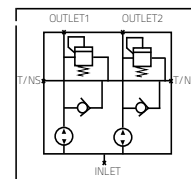


### Divisores con válvulas antishock- grupo 1

Flow dividers with anti shock valves, group 1

Diviseurs avec valves anti shock - groupe 1

Divisori con valvola Antishok - Gr 1



| Part n°<br>Referencia | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | CM³/BODY<br>cm³/cuerpo | BODIES NR.<br>N° CUERPOS | € |
|-----------------------|------------------------------------------|------------------------------------------|-------------------------------------------|------------------------|--------------------------|---|
| DE116X2               | 3                                        | 6.4                                      | 240                                       | 1.6                    | 2                        | - |
| DE116X4               | 3                                        | 6.4                                      | 240                                       | 1.6                    | 4                        | - |
| DE121X2               | 4,5                                      | 9.5                                      | 240                                       | 2.1                    | 2                        | - |
| DE121X4               | 4,5                                      | 9.5                                      | 240                                       | 2.1                    | 4                        | - |
| DE131X2               | 6,4                                      | 13.2                                     | 240                                       | 3.1                    | 2                        | - |
| DE131X4               | 6,4                                      | 13.2                                     | 240                                       | 3.1                    | 4                        | - |
| DE142X2               | 9,5                                      | 18.9                                     | 240                                       | 4.2                    | 2                        | - |
| DE142X4               | 9,5                                      | 18.9                                     | 240                                       | 4.2                    | 4                        | - |
| DE152X2               | 11,4                                     | 22.7                                     | 240                                       | 5.2                    | 2                        | - |
| DE152X4               | 11,4                                     | 22.7                                     | 240                                       | 5.2                    | 4                        | - |
| DE163X2               | 13,2                                     | 26.5                                     | 240                                       | 6.3                    | 2                        | - |
| DE163X4               | 13,2                                     | 26.5                                     | 240                                       | 6.3                    | 4                        | - |
| DE174X2               | 15,1                                     | 30.3                                     | 240                                       | 7.4                    | 2                        | - |
| DE174X4               | 15,1                                     | 30.2                                     | 240                                       | 7.4                    | 4                        | - |
| DE184X2               | 17                                       | 34.1                                     | 240                                       | 8.4                    | 2                        | - |
| DE184X4               | 17                                       | 34.1                                     | 240                                       | 8.4                    | 4                        | - |

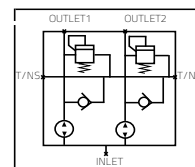


### Divisores con válvulas antishock- grupo 2

Flow dividers with anti shock valves, group 2

Diviseurs avec valves anti shock - groupe 2

Divisori con valvola Antishok - Gr 2



| Part n°<br>Referencia | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | CM³/BODY<br>cm³/cuerpo | BODIES NR.<br>N° CUERPOS | € |
|-----------------------|------------------------------------------|------------------------------------------|-------------------------------------------|------------------------|--------------------------|---|
| DE260X2               | 3                                        | 18                                       | 250                                       | 6                      | 2                        | - |
| DE260X4               | 3                                        | 18                                       | 250                                       | 6                      | 4                        | - |
| DE280X2               | 4                                        | 22                                       | 250                                       | 8                      | 2                        | - |
| DE280X4               | 4                                        | 22                                       | 250                                       | 8                      | 4                        | - |
| DE2110X2              | 5,5                                      | 27                                       | 250                                       | 11                     | 2                        | - |
| DE2110X4              | 5,5                                      | 27                                       | 250                                       | 11                     | 4                        | - |
| DE2140X2              | 7                                        | 34                                       | 250                                       | 14                     | 2                        | - |
| DE2140X4              | 7                                        | 34                                       | 250                                       | 14                     | 4                        | - |
| DE2170X2              | 8,5                                      | 37                                       | 250                                       | 17                     | 2                        | - |
| DE2170X4              | 8,5                                      | 37                                       | 250                                       | 17                     | 4                        | - |
| DE2250X2              | 12                                       | 53                                       | 250                                       | 25                     | 2                        | - |
| DE2250X4              | 12                                       | 53                                       | 250                                       | 25                     | 4                        | - |
| DE2310X2              | 15                                       | 65                                       | 250                                       | 31                     | 2                        | - |
| DE2310X4              | 15                                       | 65                                       | 250                                       | 31                     | 4                        | - |



# DIVISORES DE CAUDAL DE ENGRANAJES

Gear flow dividers  
Diviseurs de débit à engrenage  
Deviatori di flusso a ingranaggi

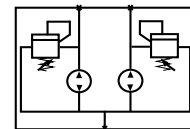
**TrAle®**

## Divisores con válvulas correctoras de fase, grupo 1

Flow dividers with phase correcting valves- group 1

Diviseurs avec valves de correction de phase- groupe 1

Divisori con valvole correttrici di fase, Gr I



| Part n°<br>Referencia | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | CM³/BODY<br>cm³/cuerpo | BODIES NR.<br>N° CUERPOS | € |
|-----------------------|------------------------------------------|------------------------------------------|-------------------------------------------|------------------------|--------------------------|---|
| DEV116X2              | 3                                        | 6.4                                      | 240                                       | 1.6                    | 2                        | - |
| DEV116X4              | 3                                        | 6.4                                      | 240                                       | 1.6                    | 4                        | - |
| DEV121X2              | 4,5                                      | 9.5                                      | 240                                       | 2.1                    | 2                        | - |
| DEV121X4              | 4,5                                      | 9.5                                      | 240                                       | 2.1                    | 4                        | - |
| DEV131X2              | 6,4                                      | 13.2                                     | 240                                       | 3.1                    | 2                        | - |
| DEV131X4              | 6,4                                      | 13.2                                     | 240                                       | 3.1                    | 4                        | - |
| DEV142X2              | 9,5                                      | 18.9                                     | 240                                       | 4.2                    | 2                        | - |
| DEV142X4              | 9,5                                      | 18.9                                     | 240                                       | 4.2                    | 4                        | - |
| DEV152X2              | 11,4                                     | 22.7                                     | 240                                       | 5.2                    | 2                        | - |
| DEV152X4              | 11,4                                     | 22.7                                     | 240                                       | 5.2                    | 4                        | - |
| DEV163X2              | 13,2                                     | 26.5                                     | 240                                       | 6.3                    | 2                        | - |
| DEV163X4              | 13,2                                     | 26.5                                     | 240                                       | 6.3                    | 4                        | - |
| DEV174X2              | 15,1                                     | 30.3                                     | 240                                       | 7.4                    | 2                        | - |
| DEV174X4              | 15,1                                     | 30.2                                     | 240                                       | 7.4                    | 4                        | - |
| DEV184X2              | 17                                       | 34.1                                     | 240                                       | 8.4                    | 2                        | - |
| DEV184X4              | 17                                       | 34.1                                     | 240                                       | 8.4                    | 4                        | - |

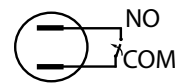


### Presostatos monocontacto regulables - Normalmente abierto

Adjustable monocontact pressure switch - normally open

Pressostats 1 contact réglables normalement ouverte

Pressostati monocontatto regolabili - N. A.



| Part n°<br>Referencia | THREAD<br>ROSCA | PROTECTION (IP)<br>PROTECCIÓN (IP) | REG. RATE (bar)<br>CAMPO REG. (bar) | EXECUTION<br>EJECUCIÓN | € |
|-----------------------|-----------------|------------------------------------|-------------------------------------|------------------------|---|
| PTNA300550            | 1/4" BSP        | IP54                               | 5 - 50 bar                          | Piston                 | - |
| PTNA30010100          | 1/4" BSP        | IP54                               | 10 - 100 bar                        | Piston                 | - |
| PTNA30020200          | 1/4" BSP        | IP54                               | 20 - 200 bar                        | Piston                 | - |

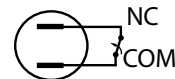


### Presostatos monocontacto regulables - Normalmente cerrado

Adjustable monocontact pressure switch - normally closed

Pressostats 1 contact réglables normalement fermée

Pressostati monocontatto regolabili - N. C.



| Part n°<br>Referencia | THREAD<br>ROSCA | PROTECTION (IP)<br>PROTECCIÓN (IP) | REG. RATE (bar)<br>CAMPO REG. (bar) | EXECUTION<br>EJECUCIÓN | € |
|-----------------------|-----------------|------------------------------------|-------------------------------------|------------------------|---|
| PTNC300550            | 1/4" BSP        | IP54                               | 5 - 50 bar                          | Piston                 | - |
| PTNC30010100          | 1/4" BSP        | IP54                               | 10 - 100 bar                        | Piston                 | - |
| PTNC30020200          | 1/4" BSP        | IP54                               | 20 - 200 bar                        | Piston                 | - |

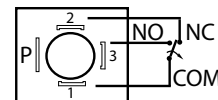


### Presostatos conmutados regulables

Adjustable pressure switch

Pressostats commutés réglables

Pressostati commutati regolabili



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | PROTECTION (IP)<br>PROTECCIÓN (IP) | REG. RATE (bar)<br>CAMPO REG. (bar) | EXECUTION<br>EJECUCIÓN | € |
|-----------------------|-----------------|-------------------------------------------|------------------------------------|-------------------------------------|------------------------|---|
| PTC25110              | 1/4" BSP        | 25                                        | IP65                               | 1 - 10 bar                          | Membrane               | - |
| PTC300550             | 1/4" BSP        | 300                                       | IP65                               | 5 - 50 bar                          | Piston                 | - |
| PTC30010100           | 1/4" BSP        | 300                                       | IP65                               | 10 - 100 bar                        | Piston                 | - |
| PTC30030250           | 1/4" BSP        | 300                                       | IP65                               | 30 - 250 bar                        | Piston                 | - |

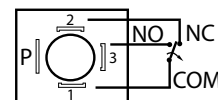


### Presostatos conmutados regulables con pomo

Piston pressure switch adjustable by knob control

Pressostats à piston commutés réglables par molette

Pressostati commutati regolabili con manopola



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | PROTECTION (IP)<br>PROTECCIÓN (IP) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|------------------------------------|-------------------------------------|---|
| PTCV3005100           | 1/4" BSP        | 300                                       | IP65                               | 5 - 100 bar                         | - |
| PTCV40020200          | 1/4" BSP        | 400                                       | IP65                               | 20 - 200 bar                        | - |
| PTCV50030300          | 1/4" BSP        | 500                                       | IP65                               | 30 - 300 bar                        | - |
| PTCV60040400          | 1/4" BSP        | 600                                       | IP65                               | 40 - 400 bar                        | - |

# TRANSDUCTORES DE PRESIÓN Y TEMPERATURA

Pressure and temperature transducers  
Transducteurs de pression et de température  
Trasduttori di pressione e temperatura

TrAie®

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

HYDRAULIC COMPONENTS  
GREENLINE



## Transductores de presión 1/4" BSP

Pressure transducers  
Transducteurs de pression 1/4" BSP  
Trasduttori di pressione 1/4" BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | SCALE (bar)<br>ESCALA (bar) | VOLTAGE (V)<br>VOLTAJE (V) | INTENSITY<br>INTENSIDAD | € |
|-----------------------|-----------------|-----------------------------|----------------------------|-------------------------|---|
| TP100MLA14            | 1/4" BSP        | 0 a 600                     | input: 10-32 VDC           | output: 4-20mA          | - |



## Transductores de temperatura 1/4" BSP

Temperature transducers  
Transducteur température 1/4" BSP  
Trasduttori di temperatura 1/4" BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | Temperature range (°C)<br>Rango de temperatura (°C) | € |
|-----------------------|-----------------|----------------------------|-----------------------------------------------------|---|
| TT100MLA14            | 1/4" BSP        | input: 10-32 VDC           | 0 a +120                                            | - |



## Termómetro digital dorsal 1/2" BSP

Digital thermometer rear sensor  
Thermomètre arrière numérique 1/2 "BSP  
Termometro digitale posteriore 1/2 "BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | Temperature range (°C)<br>Rango de temperatura (°C) | € |
|-----------------------|-----------------|-----------------------------------------------------|---|
| TD100DOR12            | 1/2" BSP        | -50 a +400                                          | - |



## Termómetro digital angular 1/2" BSP

Digital thermometer angled sensor  
Thermomètre numérique angulaire 1/2 "BSP  
Termometro digitale ad angolo 1/2 "BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | Temperature range (°C)<br>Rango de temperatura (°C) | € |
|-----------------------|-----------------|-----------------------------------------------------|---|
| TD100ANG12            | 1/2" BSP        | -50 a +400                                          | - |



## Termómetro digital vertical 1/2" BSP

Digital thermometer vertical sensor  
Thermomètre numérique vertical 1/2 "BSP  
Termometro digitale verticale 1/2" BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | Temperature range (°C)<br>Rango de temperatura (°C) | € |
|-----------------------|-----------------|-----------------------------------------------------|---|
| TD100VERT12           | 1/2" BSP        | -50 a +400                                          | - |



### Termómetro digital capilar brida trasera 1/2" BSP

Capillary digital thermometer rear flange 1/2" BSP  
Thermomètre numérique capillaire bride arrière 1/2" BSP  
Termometro digitale capillare, flangia posteriore 1/2" BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | Temperature range (°C)<br>Rango de temperatura (°C) | € |
|-----------------------|-----------------|-----------------------------------------------------|---|
| TD100CAPT12           | 1/2" BSP        | -50 a +400                                          | - |



### Termómetro digital capilar brida frontal 1/2" BSP

Capillary digital thermometer front flange 1/2" BSP  
Thermomètre numérique capillaire bride frontale 1/2" BSP  
Termometro digitale capillare flangia frontale 1/2" BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | Temperature range (°C)<br>Rango de temperatura (°C) | € |
|-----------------------|-----------------|-----------------------------------------------------|---|
| TD100CAPF12           | 1/2" BSP        | -50 a +400                                          | - |



### Termómetro eléctrico capilar 1/2" BSP

Capillary electric thermometer 1/2" BSP  
Thermomètre électrique capillaire 1/2" BSP  
Termometro elettrico capillare 1/2" BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | Temperature range (°C)<br>Rango de temperatura (°C) | € |
|-----------------------|-----------------|-----------------------------------------------------|---|
| TE100CAP12            | 1/2" BSP        | 0 +120                                              | - |

*Amplia variedad según su aplicación final*

## MANÓMETROS PRESSURE GAUGE

*Available in wide variety of ranges*



**TAMBIÉN DISPONIBLES CON MALETINES**  
ALSO AVAILABLE WITH CHECK CASE



## **MOTORES ORBITALES** 81

Hydraulic motors  
Moteurs hydrauliques  
Motori idraulici

## **MOTORES DE ENGRANAJES** 86

Gear Motors  
Moteurs à engrenages  
Motori a ingranaggi

## **MOTORES DE PISTONES** 87

Piston motors  
Moteurs à piston  
Motori a pistoni

## **MOTORES ELÉCTRICOS** 88

Electric motors  
Moteurs électriques  
Motori elettrici

## **CILINDROS HIDRÁULICOS** 90

Hydraulic cylinders  
Vérins hydrauliques  
Cilindri idraulici



# 03

## **ACTUADORES**

Motion devices

Actionneurs

Attuatori





### Motor MOMM 16mm Ø

MOMM type motor 16mm Ø  
Moteur type MOMM 16mm Ø  
Motore MOMM 16mm Ø

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE CONT. (Bar)<br>PRESION MAX. CONT. (Bar) | cm³/rev | OIL PORTS<br>TOMAS | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------------------|---------|--------------------|---|
| MOMM8 E               | 3/8" BSP        | 16                                       | 100                                                   | 8.2     | Trasera / End      | - |
| MOMM8 S               | 3/8" BSP        | 16                                       | 100                                                   | 8.2     | Lateral / Side     | - |
| MOMM12.5 E            | 3/8" BSP        | 20                                       | 100                                                   | 12.9    | Trasera / End      | - |
| MOMM12.5 S            | 3/8" BSP        | 20                                       | 100                                                   | 12.9    | Lateral / Side     | - |
| MOMM20 E              | 3/8" BSP        | 20                                       | 100                                                   | 19.9    | Trasera / End      | - |
| MOMM20 S              | 3/8" BSP        | 20                                       | 100                                                   | 19.9    | Lateral / Side     | - |
| MOMM32 E              | 3/8" BSP        | 20                                       | 100                                                   | 31.6    | Trasera / End      | - |
| MOMM32 S              | 3/8" BSP        | 20                                       | 100                                                   | 31.6    | Lateral / Side     | - |
| MOMM40 E              | 3/8" BSP        | 20                                       | 90                                                    | 39.8    | Trasera / End      | - |
| MOMM40 S              | 3/8" BSP        | 20                                       | 90                                                    | 39.8    | Lateral / Side     | - |
| MOMM50 E              | 3/8" BSP        | 20                                       | 70                                                    | 50.3    | Trasera / End      | - |
| MOMM50 S              | 3/8" BSP        | 20                                       | 70                                                    | 50.3    | Lateral / Side     | - |



### Motor MOMP 25 mm Ø

MOMP type motor 25 mm Ø  
Moteur type MOMP 25 mm Ø  
Motore MOMP 25 mm Ø

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE CONT.(Bar)<br>PRESION MAX. CONT.(Bar) | cm³/rev | € |
|-----------------------|-----------------|------------------------------------------|-----------------------------------------------------|---------|---|
| MOMP50                | 1/2" BSP        | 40                                       | 140                                                 | 50      | - |
| MOMP80                | 1/2" BSP        | 60                                       | 140                                                 | 80      | - |
| MOMP100               | 1/2" BSP        | 60                                       | 140                                                 | 100     | - |
| MOMP125               | 1/2" BSP        | 60                                       | 140                                                 | 125     | - |
| MOMP160               | 1/2" BSP        | 60                                       | 140                                                 | 160     | - |
| MOMP200               | 1/2" BSP        | 60                                       | 135                                                 | 200     | - |
| MOMP250               | 1/2" BSP        | 60                                       | 105                                                 | 250     | - |
| MOMP315               | 1/2" BSP        | 60                                       | 80                                                  | 315     | - |
| MOMP400               | 1/2" BSP        | 60                                       | 65                                                  | 400     | - |



### Motor MOMR 25 mm Ø

MOMR type motor 25 mm Ø  
Moteur type MOMR 25 mm Ø  
Motore MOMR 25 mm Ø

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE CONT.(Bar)<br>PRESION MAX. CONT.(Bar) | cm³/rev | € |
|-----------------------|-----------------|------------------------------------------|-----------------------------------------------------|---------|---|
| MOMR40                | 1/2" BSP        | 45                                       | 100                                                 | 40      | - |
| MOMR50                | 1/2" BSP        | 50                                       | 140                                                 | 50      | - |
| MOMR80                | 1/2" BSP        | 75                                       | 140                                                 | 80      | - |
| MOMR100               | 1/2" BSP        | 75                                       | 140                                                 | 100     | - |
| MOMR125               | 1/2" BSP        | 75                                       | 140                                                 | 125     | - |
| MOMR160               | 1/2" BSP        | 75                                       | 140                                                 | 160     | - |
| MOMR200               | 1/2" BSP        | 75                                       | 140                                                 | 200     | - |
| MOMR250               | 1/2" BSP        | 75                                       | 110                                                 | 250     | - |
| MOMR315               | 1/2" BSP        | 75                                       | 90                                                  | 315     | - |
| MOMR400               | 1/2" BSP        | 75                                       | 70                                                  | 400     | - |

## MOTORES ORBITALES

Hydraulic motors  
Moteurs hydrauliques  
Motori idraulici

**TrAle®**



### Motor MOMH 32 mm Ø

MOMH type motor 32 mm Ø

Moteur type MOMH 32 mm Ø

Motore MOMH 32 mm Ø

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW CONT.(l/min)<br>CAUDAL MAX. CONT.(l/min) | MAX. PRESSURE CONT.(bar)<br>PRESION MAX. CONT.(bar) | cm³/rev | € |
|-----------------------|-----------------|----------------------------------------------------|-----------------------------------------------------|---------|---|
| MOMH160               | 1/2" BSP        | 75                                                 | 155                                                 | 160     | - |
| MOMH200               | 1/2" BSP        | 75                                                 | 160                                                 | 200     | - |
| MOMH250               | 1/2" BSP        | 75                                                 | 160                                                 | 250     | - |
| MOMH315               | 1/2" BSP        | 75                                                 | 150                                                 | 315     | - |
| MOMH400               | 1/2" BSP        | 75                                                 | 140                                                 | 400     | - |
| MOMH500               | 1/2" BSP        | 75                                                 | 120                                                 | 500     | - |



### Motor MOMR con eje estriado

MOMR type motor with splined shaft

Moteur type MOMR avec arbre cannelée

Motore MOMR con albero striato

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE CONT.(bar)<br>PRESION MAX. CONT.(bar) | cm³/rev | € |
|-----------------------|-----------------|------------------------------------------|-----------------------------------------------------|---------|---|
| MOMR50EST             | 1/2" BSP        | 40                                       | 140                                                 | 50      | - |
| MOMR80EST             | 1/2" BSP        | 60                                       | 160                                                 | 80      | - |
| MOMR100EST            | 1/2" BSP        | 60                                       | 160                                                 | 100     | - |
| MOMR125EST            | 1/2" BSP        | 60                                       | 160                                                 | 125     | - |
| MOMR160EST            | 1/2" BSP        | 60                                       | 160                                                 | 160     | - |
| MOMR200EST            | 1/2" BSP        | 60                                       | 135                                                 | 200     | - |
| MOMR250EST            | 1/2" BSP        | 60                                       | 105                                                 | 250     | - |
| MOMR315EST            | 1/2" BSP        | 60                                       | 85                                                  | 315     | - |
| MOMR400EST            | 1/2" BSP        | 60                                       | 65                                                  | 400     | - |



### Motor MOMR con eje 32mm

MOMR type motor with 32mm shaft

Moteur type MOMR avec arbre 32mm

Motore MOMR con albero 32 mm

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE CONT.(bar)<br>PRESION MAX. CONT.(bar) | cm³/rev | € |
|-----------------------|-----------------|------------------------------------------|-----------------------------------------------------|---------|---|
| MOMR50-32             | 1/2" BSP        | 40                                       | 140                                                 | 50      | - |
| MOMR80-32             | 1/2" BSP        | 60                                       | 160                                                 | 80      | - |
| MOMR100-32            | 1/2" BSP        | 60                                       | 160                                                 | 100     | - |
| MOMR125-32            | 1/2" BSP        | 60                                       | 140                                                 | 125     | - |
| MOMR160-32            | 1/2" BSP        | 60                                       | 140                                                 | 160     | - |
| MOMR200-32            | 1/2" BSP        | 60                                       | 135                                                 | 200     | - |
| MOMR250-32            | 1/2" BSP        | 60                                       | 105                                                 | 250     | - |
| MOMR315-32            | 1/2" BSP        | 60                                       | 85                                                  | 315     | - |
| MOMR400-32            | 1/2" BSP        | 60                                       | 65                                                  | 400     | - |



### Motor MOMR tomas traseras con eje 25mm

MOMR engine rear oil ports with 25mm shaft

Moteur MOMR avec sorties arrière arbre 25mm

Prese posteriori del motore MOMR con albero da 25mm

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE CONT. (Bar)<br>PRESION MAX. CONT. (Bar) | cm³/rev | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------------------|---------|---|
| MOMR80TT              | 1/2" BSP        | 60                                       | 140                                                   | 80      | - |
| MOMR100TT             | 1/2" BSP        | 60                                       | 140                                                   | 100     | - |
| MOMR125TT             | 1/2" BSP        | 60                                       | 140                                                   | 125     | - |
| MOMR160TT             | 1/2" BSP        | 60                                       | 140                                                   | 160     | - |
| MOMR200TT             | 1/2" BSP        | 60                                       | 140                                                   | 200     | - |
| MOMR250TT             | 1/2" BSP        | 60                                       | 120                                                   | 250     | - |
| MOMR315TT             | 1/2" BSP        | 60                                       | 100                                                   | 315     | - |

NEW



### Motores MOMR eje 25mm con Freno

MOMR motors 25mm shaft With Brake

Moteurs MOMR arbre 25mm avec frein

Motore MOMR albero 25mm con freno

NEW

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE CONT.(bar)<br>PRESION MAX. CONT.(bar) | cm³/rev | € |
|-----------------------|-----------------|------------------------------------------|-----------------------------------------------------|---------|---|
| MOMR80F               | 1/2" BSP        | 60                                       | 140                                                 | 80      | - |
| MOMR100F              | 1/2" BSP        | 60                                       | 140                                                 | 100     | - |
| MOMR125F              | 1/2" BSP        | 60                                       | 140                                                 | 125     | - |
| MOMR160F              | 1/2" BSP        | 60                                       | 140                                                 | 160     | - |
| MOMR200F              | 1/2" BSP        | 60                                       | 140                                                 | 200     | - |
| MOMR250F              | 1/2" BSP        | 60                                       | 120                                                 | 250     | - |
| MOMR315F              | 1/2" BSP        | 60                                       | 100                                                 | 315     | - |
| MOMR400F              | 1/2" BSP        | 60                                       | 80                                                  | 400     | - |



### Motor MOMR con eje Ø 1"

MOMR motor with 1" shaft

Moteur MOMR avec arbre 1"

Motore MOMR con albero da 1"

NEW

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE CONT.(bar)<br>PRESION MAX. CONT.(bar) | cm³/rev | € |
|-----------------------|-----------------|------------------------------------------|-----------------------------------------------------|---------|---|
| MOMR50 1"             | 1" BSP          | 60                                       | 140                                                 | 50      | - |
| MOMR125 1"            | 1" BSP          | 60                                       | 140                                                 | 125     | - |



### Motor MOMS 32 mm Ø

MOMS type motor 32mm Ø

Moteur type MOMS 32mm Ø

Motore MOMS 32mm Ø

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE CONT.(bar)<br>PRESION MAX. CONT.(bar) | cm³/rev | € |
|-----------------------|-----------------|------------------------------------------|-----------------------------------------------------|---------|---|
| MOMS80                | 1/2" BSP        | 65                                       | 175                                                 | 80      | - |
| MOMS100               | 1/2" BSP        | 75                                       | 175                                                 | 100     | - |
| MOMS125               | 1/2" BSP        | 75                                       | 175                                                 | 125     | - |
| MOMS160               | 1/2" BSP        | 75                                       | 160                                                 | 160     | - |
| MOMS200               | 1/2" BSP        | 75                                       | 150                                                 | 200     | - |
| MOMS250               | 1/2" BSP        | 75                                       | 140                                                 | 250     | - |
| MOMS315               | 1/2" BSP        | 75                                       | 120                                                 | 315     | - |
| MOMS400               | 1/2" BSP        | 75                                       | 100                                                 | 400     | - |



### Motor MOMT 40 mm Ø

MOMT type motor 40mm Ø

Moteur type MOMT 40mm Ø

Motore MOMT 40mm Ø

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE CONT.(bar)<br>PRESION MAX. CONT.(bar) | cm³/rev | € |
|-----------------------|-----------------|------------------------------------------|-----------------------------------------------------|---------|---|
| MOMT160               | 3/4" BSP        | 100                                      | 200                                                 | 160     | - |
| MOMT200               | 3/4" BSP        | 125                                      | 200                                                 | 200     | - |
| MOMT250               | 3/4" BSP        | 125                                      | 200                                                 | 250     | - |
| MOMT315               | 3/4" BSP        | 125                                      | 200                                                 | 315     | - |
| MOMT400               | 3/4" BSP        | 125                                      | 180                                                 | 400     | - |
| MOMT500               | 3/4" BSP        | 125                                      | 160                                                 | 500     | - |

## MOTORES ORBITALES

Hydraulic motors  
Moteurs hydrauliques  
Motori idraulici

**TrAle®**



### Motor MOMV 50 mm Ø

MOMV type motor 50mm Ø  
Moteur type MOMV 50mm Ø  
Motore MOMV 50mm Ø

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE CONT.(bar)<br>PRESION MAX. CONT.(bar) | cm³/rev | € |
|-----------------------|-----------------|------------------------------------------|-----------------------------------------------------|---------|---|
| MOMV315               | 1" BSP          | 200                                      | 200                                                 | 315     | - |
| MOMV400               | 1" BSP          | 200                                      | 200                                                 | 400     | - |
| MOMV500               | 1" BSP          | 200                                      | 200                                                 | 500     | - |
| MOMV630               | 1" BSP          | 200                                      | 180                                                 | 630     | - |
| MOMV800               | 1" BSP          | 200                                      | 160                                                 | 800     | - |



### Frenos hidráulicos para motores MOMP/MOMR

Hydraulic brakes for MOMP/MOMR motors  
Freins hydrauliques pour moteurs MOMP/MOMR  
Freni idraulici per motori MOMP/MOMR

| Part n°<br>Referencia | MAX. TORQUE<br>PAR MAX. | € |
|-----------------------|-------------------------|---|
| FRHID430              | 430 Nm                  | - |



### Recambios Motor

Spare parts for motor  
Pièces de rechange Moteur  
Ricambi per motori

| Part n°<br>Referencia | MOTOR     | DETAILS<br>DETALLES | € |
|-----------------------|-----------|---------------------|---|
| CHAVETAMOMP/MOMR      | MOMP/MOMR | Shaft key           | - |
| CHAVETAMOMS           | MOMS      | Shaft key           | - |
| JMOMT                 | MOMT      | Seal kits           | - |
| CHAVETAMOMT           | MOMT      | Shaft key           | - |
| CHAVETAMOMV           | MOMV      | Shaft key           | - |
| JTOMH                 | MOMH      | Seal kits           | - |
| JTOMP                 | MOMP      | Seal kits           | - |
| JTOMP_ND              | MOMP      | Seal kits           | - |
| JTOMP_ND_2            | MOMP      | Seal kits           | - |
| JTOMR                 | MOMR      | Seal kits           | - |
| JTOMR_ND              | MOMR      | Seal kits           | - |
| JTOMR_ND_2            | MOMR      | Seal kits           | - |
| JTOMS                 | MOMS      | Seal kits           | - |
| JTOMS_ND              | MOMS      | Seal kits           | - |
| JTOMT                 | MOMT      | Seal kits           | - |
| JTOMV                 | MOMV      | Seal kits           | - |
| JMOMM                 | MOMM      | Seal kits           | - |

Nuevo diseño (ND): Nº lote motor a partir de 1403... Nuevo diseño (ND\_2): Nº lote motor a partir de 1701... / New design (ND): Engine lot number from 1403... New design (ND\_2): Engine lot number from 1701... / Nouvelle conception (ND): Numéro de lot du moteur à partir de 1403... Nouvelle conception (ND\_2): Numéro de lot du moteur à partir de 1701... / Nuovo design (ND): Numero di lotto del motore dal 1403... Nuovo design (ND\_2): numero di lotto del motore dal 1701... Nuovo design (ND): Numero di lotto del motore dal 1403... Nuovo design (ND\_2): numero di lotto del motore dal 1701...



### Orbitroles circuito abierto sin válvulas

Steering units open center without valves

Direction hydrostatique centre ouvert sans valves

Idroguide centro aperto senza valvole

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | cm³/rev | € |
|-----------------------|-----------------|-------------------------------------------|---------|---|
| MOSPB 50 ON           | 1/2" BSP        | 175                                       | 50      | - |
| MOSPB 80 ON           | 1/2" BSP        | 175                                       | 80      | - |
| MOSPB 100 ON          | 1/2" BSP        | 175                                       | 100     | - |
| MOSPB 125 ON          | 1/2" BSP        | 175                                       | 125     | - |
| MOSPB 160 ON          | 1/2" BSP        | 175                                       | 160     | - |
| MOSPB 200 ON          | 1/2" BSP        | 175                                       | 200     | - |
| MOSPB 250 ON          | 1/2" BSP        | 175                                       | 250     | - |
| MOSPB 315 ON          | 1/2" BSP        | 175                                       | 315     | - |
| MOSPB 400 ON          | 1/2" BSP        | 175                                       | 400     | - |
| MOSPB 500 ON          | 1/2" BSP        | 175                                       | 500     | - |



### Orbitroles circuito abierto con válvulas

Steering units open center with valves

Direction hydrostatique centre ouvert avec valves

Idroguide centro aperto con valvole

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | cm³/rev | € |
|-----------------------|-----------------|-------------------------------------------|---------|---|
| MOSPC 50 ON           | 1/2" BSP        | 175                                       | 50      | - |
| MOSPC 80 ON           | 1/2" BSP        | 175                                       | 80      | - |
| MOSPC 100 ON          | 1/2" BSP        | 175                                       | 100     | - |
| MOSPC 125 ON          | 1/2" BSP        | 175                                       | 125     | - |
| MOSPC 160 ON          | 1/2" BSP        | 175                                       | 160     | - |
| MOSPC 200 ON          | 1/2" BSP        | 175                                       | 200     | - |
| MOSPC 250 ON          | 1/2" BSP        | 175                                       | 250     | - |
| MOSPC 315 ON          | 1/2" BSP        | 175                                       | 315     | - |
| MOSPC 400 ON          | 1/2" BSP        | 175                                       | 400     | - |



### Kit juntas Orbitrol

Steering unit seal kits

Kit joints pour direction hydrostatique

Guarnizioni di ricambio per Idroguide

| Part n°<br>Referencia | STEERING UNIT<br>ORBITROL | € |
|-----------------------|---------------------------|---|
| JRMOSPB               | MOSPB                     | - |
| JRMOSPC               | MOSPC                     | - |

# MOTORES DE ENGRANAJES

Gear Motors  
Moteurs à engrenages  
Motori a ingranaggi

TrAle®



## Gr. II Motor engranaje reversible/Tapa eur/eje cónico 1:8 brida roscada

Gr.II Gear motor reversible/Eur.flange/Tapered shaft 1:8 /Side ports type threaded

Gr.II Pompe engranage réversible/Flasque Eur./Arbre conique 1:8./Asp. et Ref type taraudée

Gr. II Motore ingranaggi reversibile/fl. Eur./alb. conico 1:8/ attacchi filettati

| Part n°<br>Referencia | THREAD<br>ROSCA | WP (bar)<br>PRESIÓN TRABAJO (bar) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | R.P.M. | cm³/rev | € |
|-----------------------|-----------------|-----------------------------------|-------------------------------------------|--------|---------|---|
| MRTD26001             | 1/2 BSP         | 200                               | 230                                       | 4000   | 6       | - |
| MRTD28001             | 1/2 BSP         | 200                               | 230                                       | 4000   | 8       | - |
| MRTD210001            | 1/2 BSP         | 200                               | 250                                       | 3500   | 10      | - |
| MRTD212001            | 1/2 BSP         | 200                               | 250                                       | 3500   | 12      | - |
| MRTD214001            | 1/2 BSP         | 200                               | 250                                       | 3500   | 14      | - |
| MRTD216001            | 1/2 BSP         | 200                               | 250                                       | 3000   | 16      | - |
| MRTD220001            | 1/2 BSP         | 200                               | 250                                       | 2500   | 20      | - |
| MRTD223001            | 1/2 BSP         | 200                               | 250                                       | 2500   | 23      | - |
| MRTD225001            | 1/2 BSP         | 200                               | 250                                       | 2500   | 25      | - |
| MRTD228001            | 1/2 BSP         | 200                               | 250                                       | 2000   | 28      | - |
| MRTD230001            | 1/2 BSP         | 200                               | 250                                       | 2000   | 30      | - |



## Gr. II Motor engranaje reversible/Tapa eur/eje cónico 1:8 brida europea

Gr.II Gear motor reversible/Eur.flange/Tapered shaft 1:8 /Side ports type Eur.

Gr.II Pompe engranage réversible/Flasque Eur./Arbre conique 1:8./Asp. et Ref type Eur.

Gr. II Motore ingranaggi reversibile/fl. Eur./alb. conico 1:8 / flangia europea

| Part n°<br>Referencia | Ø ASPIRATION (mm)<br>Ø ASPIRACIÓN (mm) | Ø PRESSURE (mm)<br>Ø PRESIÓN (mm) | WP (bar)<br>PRESIÓN TRABAJO (bar) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | R.P.M. | cm³/rev | € |
|-----------------------|----------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------------|--------|---------|---|
| MRTD26002             | 40                                     | 40                                | 200                               | 230                                       | 4000   | 6       | - |
| MRTD28002             | 40                                     | 40                                | 200                               | 230                                       | 4000   | 8       | - |
| MRTD212002            | 40                                     | 40                                | 200                               | 250                                       | 3500   | 12      | - |
| MRTD216002            | 40                                     | 40                                | 200                               | 250                                       | 3000   | 16      | - |
| MRTD220002            | 40                                     | 40                                | 200                               | 250                                       | 2500   | 20      | - |
| MRTD225002            | 40                                     | 40                                | 200                               | 250                                       | 2500   | 25      | - |



## Gr. III Motor engranaje reversible/Tapa eur/eje cónico 1:8 brida roscada

Gr.III Gear motor reversible/Eur.flange/Tapered shaft 1:8 /Side ports type threaded

Gr.III Pompe engranage réversible/Flasque Eur./Arbre conique 1:8./Asp. et Ref type taraudée

Gr. III Motore ingranaggi reversibile/fl. Eur./alb. conico 1:8 f/attacchi filettati

| Part n°<br>Referencia | THREAD<br>ROSCA | WP (bar)<br>PRESIÓN TRABAJO (bar) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | R.P.M. | cm³/rev | € |
|-----------------------|-----------------|-----------------------------------|-------------------------------------------|--------|---------|---|
| MRTD332001            | 3/4" BSP        | 200                               | 230                                       | 3000   | 32      | - |
| MRTD336001            | 3/4" BSP        | 200                               | 230                                       | 3000   | 36      | - |
| MRTD346001            | 1" BSP          | 200                               | 230                                       | 2500   | 46      | - |
| MRTD355001            | 1" BSP          | 200                               | 230                                       | 2500   | 55      | - |

## Kit juntas Motor revers. MRTD

Joints kit-MRTD Revers.Motor

Kit de joints Moteur Revers.MRTD

Kit guarnizioni Motore reversibile MRTD



| Part n°<br>Referencia | GROUP<br>GRUPO | € |
|-----------------------|----------------|---|
| JRMRTD2               | 2              | - |
| JRMRTD3               | 3              | - |





### Motores de pistones

Piston motors  
Moteurs à piston  
Motori a pistoni

| Part n°<br>Referencia | THREAD<br>ROSCA |          | MAX. PRESSURE CONT.(bar)<br>PRESION MAX. CONT.(bar) | FLOW (l/min)<br>CAUDAL (l/min) | MAX. TORQUE (350Bar)<br>PAR MAX.(350Bar) | € |
|-----------------------|-----------------|----------|-----------------------------------------------------|--------------------------------|------------------------------------------|---|
| MPT12                 | 3/4" BSP        | 3/4" BSP | 400                                                 | 12                             | 66 Nm                                    | - |
| MPT18                 | 3/4" BSP        | 3/4" BSP | 400                                                 | 18                             | 98 Nm                                    | - |
| MPT25                 | 3/4" BSP        | 3/4" BSP | 400                                                 | 25                             | 140 Nm                                   | - |
| MPT32                 | 3/4" BSP        | 3/4" BSP | 400                                                 | 32                             | 174 Nm                                   | - |
| MPT40                 | 3/4" BSP        | 3/4" BSP | 400                                                 | 40                             | 228 Nm                                   | - |
| MPT50                 | 3/4" BSP        | 3/4" BSP | 400                                                 | 50                             | 280 Nm                                   | - |
| MPT63                 | 3/4" BSP        | 3/4" BSP | 400                                                 | 63                             | 350 Nm                                   | - |
| MPT80                 | 1" BSP          | 1" BSP   | 400                                                 | 80                             | 440 Nm                                   | - |
| MPT108                | 1" BSP          | 1" BSP   | 400                                                 | 108                            | 600 Nm                                   | - |
| MPT130                | 1" BSP          | 1" BSP   | 400                                                 | 130                            | 710 Nm                                   | - |



### Kit Juntas Reparación Motor MPT Pistones

Gaskets Repair Motor Kit MPT Pistons  
Kit Joints Réparation Moteur MPT Pistons  
Kit guarnizioni riparazione motore pistoni MPT

| Part n°<br>Referencia | MATERIAL | € |
|-----------------------|----------|---|
| JRMPT                 | NBR      | - |
| JRVMPT                | FKM      | - |

JRMPT foto superior. JRVMPT foto inferior. / JRMPT top photo. JRVMPT bottom photo. / JRMPT photo du haut. JRVMPT photo du bas. / JRMPT foto in alto. JRVMPT in basso.

# MOTORES ELÉCTRICOS

Electric motors  
Moteurs électriques  
Motori elettrici

TrAle®

## Motor trifásico con brida y patas (B3B5), IE3

Three-phase electric motor with flange and legs (B3B5), IE3

Moteurs triphasé avec bride+pattes (B3B5), IE3

Motore trifase con flangia + piede (B3B5), IE3

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT Ø (mm)<br>EJE Ø (mm) | € |
|-----------------------|----------------------------|------------------------------------------|--------|-----------------------------|----------------------------|---|
| MET1B3B5 H            | 230/400                    | 200                                      | 1500   | 1                           | 19                         | - |
| MET1.5B3B5 H          | 230/400                    | 200                                      | 1500   | 1,5                         | 24                         | - |
| MET2B3B5 H            | 230/400                    | 200                                      | 1500   | 2                           | 24                         | - |
| MET3B3B5 H            | 230/400                    | 250                                      | 1500   | 3                           | 28                         | - |
| MET4B3B5 H            | 230/400                    | 250                                      | 1500   | 4                           | 28                         | - |
| MET5.5B3B5 H          | 230/400                    | 250                                      | 1500   | 5,5                         | 28                         | - |
| MET7.5B3B5 H          | 230/400                    | 300                                      | 1500   | 7,5                         | 38                         | - |
| MET10B3B5 H           | 400/690                    | 300                                      | 1500   | 10                          | 38                         | - |
| MET15B3B5 H           | 400/690                    | 350                                      | 1500   | 15                          | 42                         | - |
| MET20B3B5 H           | 400/690                    | 350                                      | 1500   | 20                          | 42                         | - |
| MET30B3B5 H           | 400/690                    | 350                                      | 1500   | 30                          | 48                         | - |

## Motor trifásico con brida B14, IE3

Three-phase electric motor with B14 flange, IE3

Moteurs triphasé avec bride B14, IE3

Motore trifase con flangia B14, IE3

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT Ø (mm)<br>EJE Ø (mm) | € |
|-----------------------|----------------------------|--------|-----------------------------|----------------------------|---|
| MET1B14 H             | 230/400                    | 1500   | 1                           | 19                         | - |
| MET2B14 H             | 230/400                    | 1500   | 2                           | 24                         | - |
| MET3B14 H             | 230/400                    | 1500   | 3                           | 28                         | - |
| MET4B14 H             | 230/400                    | 1500   | 4                           | 28                         | - |
| MET5.5B14 H           | 230/400                    | 1500   | 5,5                         | 28                         | - |

## Motor trifásico con brida y patas (B3B5), IE2

Three-phase electric motor with flange and legs (B3B5) IE2

Moteurs triphasé avec bride+pattes (B3B5) IE2

Motore trifase con flangia e gambe (B3B5) IE2

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT Ø (mm)<br>EJE Ø (mm) | € |
|-----------------------|----------------------------|--------|-----------------------------|----------------------------|---|
| MET0.25B3B5 H         | 230/400                    | 1500   | 0,25                        | 11                         | - |
| MET0.33B3B5 H         | 230/400                    | 1500   | 0,33                        | 14                         | - |
| MET3B3B5IE2 H         | 230/400                    | 1500   | 3                           | 28                         | - |
| MET0.5B3B5 H          | 230/400                    | 1500   | 0,5                         | 14                         | - |
| MET0.75B3B5 H         | 230/400                    | 1500   | 0,75                        | 19                         | - |
| MET2B3B5IE2 H         | 230/400                    | 1500   | 2                           | 24                         | - |
| MET4B3B5IE2 H         | 230/400                    | 1500   | 4                           | 28                         | - |
| MET5.5B3B5IE2 H       | 230/400                    | 1500   | 5,5                         | 28                         | - |
| MET7.5B3B5IE2 H       | 230/400                    | 1500   | 7,5                         | 38                         | - |

## Motor trifásico con brida B14, IE2

Three-phase electric motor with B14 flange IE2

Moteurs triphasé avec bride B14 IE2

Motore trifase con flangia B14 IE2

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT Ø (mm)<br>EJE Ø (mm) | € |
|-----------------------|----------------------------|--------|-----------------------------|----------------------------|---|
| MET0.5B14 H           | 230/400                    | 1500   | 0,5                         | 14                         | - |
| MET2B14IE2 H          | 230/400                    | 1500   | 2                           | 24                         | - |
| MET3B14IE2 H          | 230/400                    | 1500   | 3                           | 28                         | - |
| MET4B14IE2 H          | 230/400                    | 1500   | 4                           | 28                         | - |



### Motor monofásico A.P. con brida y patas (B3B5)

Electrical motors H.T. single-phase with flange and legs (B3B5)

Moteurs monophasés H.C. avec bride et pattes (B3B5)

Motore monofasico alta coppia con flangia + piede (B3B5)

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT Ø (mm)<br>EJE Ø (mm) | € |
|-----------------------|----------------------------|------------------------------------------|--------|-----------------------------|----------------------------|---|
| MEMAP0.33B3B5 H       | 220V / 50Hz                | 160                                      | 1500   | 0.37                        | 14                         | - |
| MEMAP0.5B3B5 H        | 220V / 50Hz                | 160                                      | 1500   | 0.5                         | 14                         | - |
| MEMAP0.75B3B5 H       | 220V / 50Hz                | 200                                      | 1500   | 0.75                        | 19                         | - |
| MEMAP1B3B5 H          | 220V / 50Hz                | 200                                      | 1500   | 1                           | 19                         | - |
| MEMAP1.5B3B5 H        | 220V / 50Hz                | 200                                      | 1500   | 1.5                         | 24                         | - |
| MEMAP2B3B5 H          | 220V / 50Hz                | 200                                      | 1500   | 2                           | 24                         | - |
| MEMAP3B3B5 H          | 220V / 50Hz                | 250                                      | 1500   | 3                           | 28                         | - |



### Motor monofásico A.P. con brida B14

Electrical motors H.T. single-phase with B14 flange

Moteurs monophasés H.C. avec bride B14

Motore monofasico alta coppia con flangia B14

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT Ø (mm)<br>EJE Ø (mm) | € |
|-----------------------|----------------------------|--------|-----------------------------|----------------------------|---|
| MEMAP0.5B14 H         | 220V / 50Hz                | 1500   | 0.5                         | 14                         | - |
| MEMAP1B14 H           | 220V / 50Hz                | 1500   | 1                           | 19                         | - |
| MEMAP1.5B14 H         | 220V / 50Hz                | 1500   | 1.5                         | 24                         | - |
| MEMAP2B14 H           | 220V / 50Hz                | 1500   | 2                           | 24                         | - |
| MEMAP3B14 H           | 220V / 50Hz                | 1500   | 3                           | 28                         | - |

### Cajas bornes

Terminal boxes

Boîtes à bornes

Scatole terminali



| Part n°<br>Referencia | DETAILS<br>DETALLES | € |
|-----------------------|---------------------|---|
| CBM0.25-0.5CV         | 0.25-0.5CV          | - |
| CBM0.75-1-2-3CV       | 0.75-1-2-3CV        | - |
| CBM5.5CV              | 5.5 CV              | - |
| CBM7.5-10CV           | 7.5-10 CV           | - |
| CBM15-20CV            | 15-20 CV            | - |

# CILINDROS HIDRÁULICOS

Hydraulic cylinders  
Vérins hydrauliques  
Cilindri idraulici

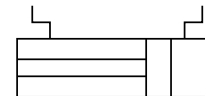
TrAle®

## Cilindros D.E.(casq. en vast. - culote talad.)

D.A. cylinder (bush and drilled rear end)

Vérins D.E. (manchon sur tige et arrière taraudé)

Cilindri doppio effetto (boccola su stelo e fondello forato)



| Part n°<br>Referencia | THREAD<br>ROSCA | KG/100BAR<br>KG/100 BAR | PISTON ROD (mm)<br>VASTAGO (mm) | PISTON (mm)<br>PISTON (mm) | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|-----------------|-------------------------|---------------------------------|----------------------------|-----------------------------|---|
| CTDECC2032050         | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 50                          | - |
| CTDECC2032100         | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 100                         | - |
| CTDECC2032150         | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 150                         | - |
| CTDECC2032200         | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 200                         | - |
| CTDECC2032250         | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 250                         | - |
| CTDECC2032300         | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 300                         | - |
| CTDECC2540100         | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 100                         | - |
| CTDECC2540150         | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 150                         | - |
| CTDECC2540200         | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 200                         | - |
| CTDECC2540250         | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 250                         | - |
| CTDECC2540300         | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 300                         | - |
| CTDECC2540400         | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 400                         | - |
| CTDECC3050100         | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 100                         | - |
| CTDECC3050150         | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 150                         | - |
| CTDECC3050200         | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 200                         | - |

Amarres de sujeción en línea con tomas. / Drill on the bottom aligned with oil ports. / Percage aligné avec les prises d'huile. / Ancoraggi in linea con prese.

## Juego reparación cilindros D.E.

Repeating kit for CTDE cylinders

Kit de réparation pour vérins CTDE

Kit riparazione cilindri D.E.



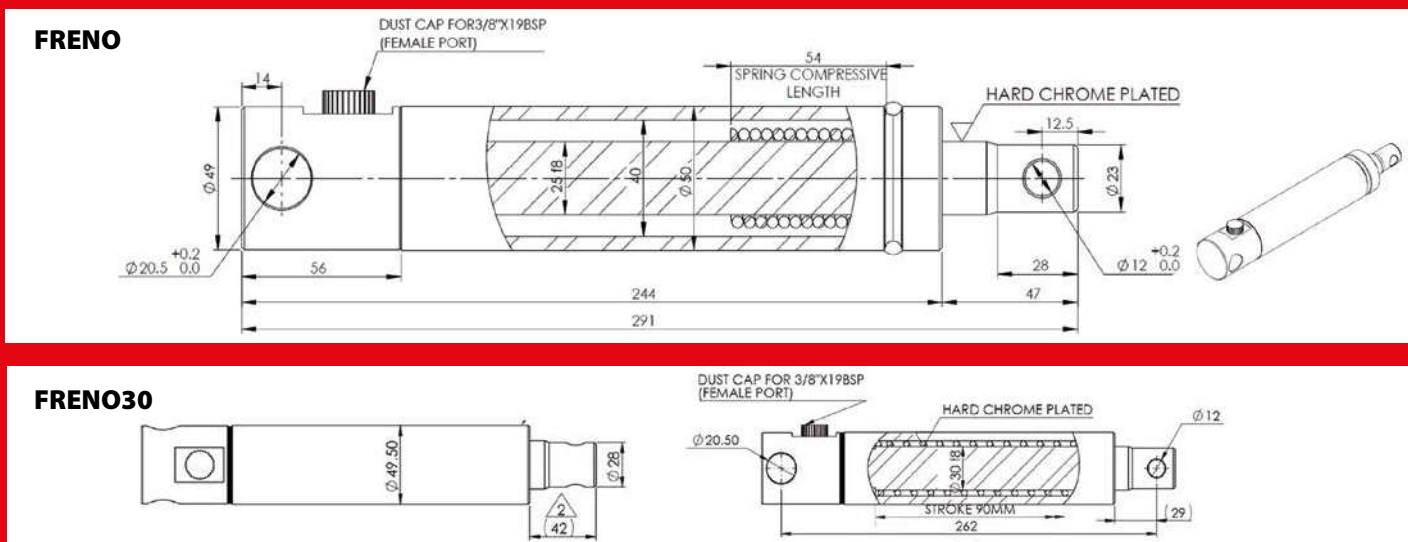
| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| JRCTDECC2032          | CTDECC2032           | - |
| JRCTDECC2540          | CTDECC2540           | - |
| JRCTDECC3050          | CTDECC3050           | - |

# PARA OTRAS MEDIDAS DE CILINDROS Y ACCESORIOS, CONSÚLTANOS

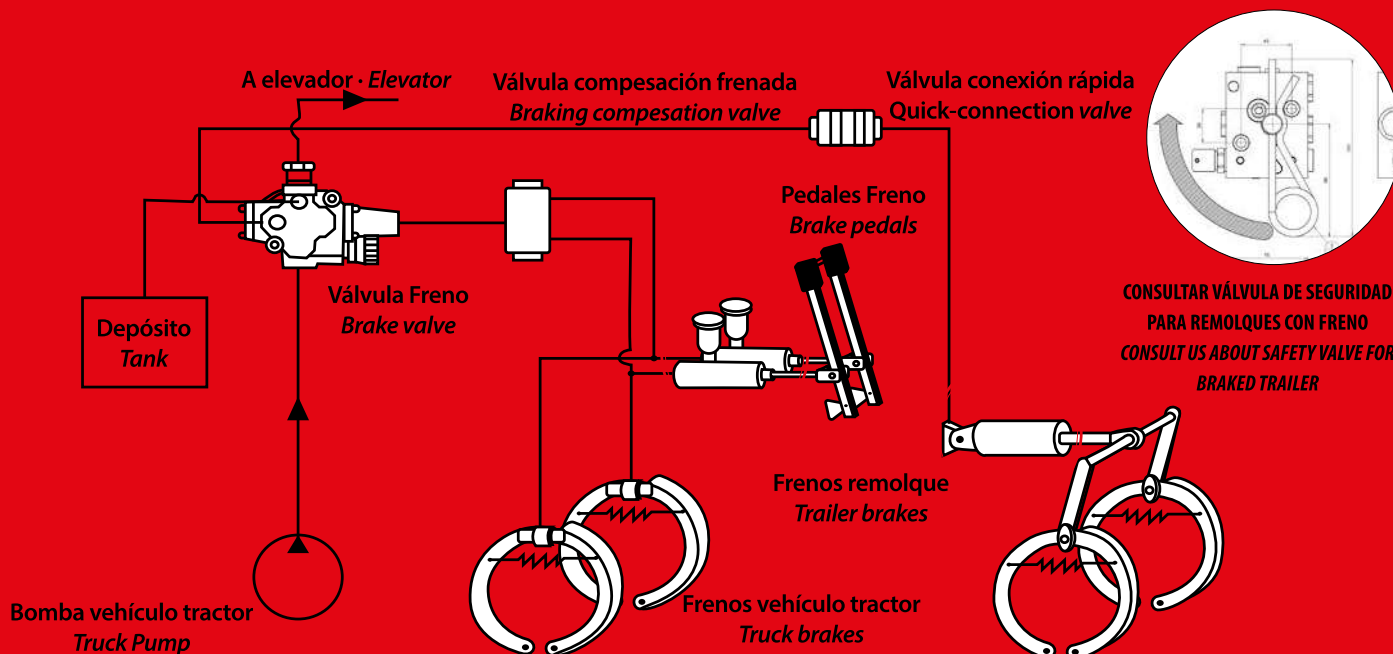
## FOR OTHER CYLINDER DIMENSIONS OR FEATURES, PLEASE CONSULT US!



• Cilindros con cotas • Cylinder with dimensions



• Esquema instalación • Installation diagram



Consultar disponibilidad de válvula freno y de compensación de frenada  
Consult availability of brake valve and braking compensation valve

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Heat exchangers  
Échangeurs de chaleur  
Scambiatori di calore





# 04

## **ACCESORIOS**

Accessories

Accessoires

Accessori



## ACCESORIOS DE DEPÓSITOS

Tank accessories  
Accessoires pour réservoirs  
Accessori Serbatoi

TrAle®

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

HYDRAULIC COMPONENTS  
GREENLINE



### Tapón de llenado y desvaporizador

Filling breather plug  
Bouchon reniflard de remplissage  
Tappo di carico e di sfiato

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION | € |
|-----------------------|----------------------------|---|
| TT5C40                | Mini 40 µ m                | - |
| TT8C101               | Normal 10 µ m              | - |
| TT8C401               | Normal 40 µ m              | - |



### Tapón desvaporizador

Filling plug with breather  
Bouchon reniflard  
Tappo di sfiato

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| TDT4                  | 1/4" BSP        | - |
| TDT6                  | 3/8" BSP        | - |
| TDT8                  | 1/2" BSP        | - |
| TDT12                 | 3/4" BSP        | - |
| TDT16                 | 1" BSP          | - |



### Niveles

Level gauges  
Indicateurs de niveau  
Livelli

| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE (mm)<br>TAMANO (mm) | DETAILS<br>DETALLES                     | € |
|-----------------------|-----------------|--------------------------|-----------------------------------------|---|
| NT-1                  | M10             | 76                       | Nivel / Level                           | - |
| NT-1 M12              | M12             | 76                       | Nivel / Level                           | - |
| NT-2                  | M12             | 127                      | Nivel / Level                           | - |
| NT-3                  | M12             | 254                      | Nivel / Level                           | - |
| NT-1-T                | M10             | 76                       | Nivel + Termómetro / Level + Termometer | - |
| NT-1-T M12            | M12             | 76                       | Nivel + Termómetro / Level + Termometer | - |
| NT-2-T                | M12             | 127                      | Nivel + Termómetro / Level + Termometer | - |
| NT-3-T                | M12             | 254                      | Nivel + Termómetro / Level + Termometer | - |

Para otras medidas de niveles ver referencias FL-\* / FL-\*T / For other level measurements see reference FL-\* / FL-\*T / Pour d'autres mesures de niveau, voir la référence FL-\* / FL-\*T / Per altre misure di livello vedere il riferimento FL-\* / FL-\*T

### Visor aluminio BSP

BSP Aluminium sight  
Voyant de niveau aluminium BSP  
Indicatore di livello in alluminio BSP



| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| NTL1G                 | 1/4" BSP        | - |
| NTL2G                 | 3/8" BSP        | - |
| NTL3G                 | 1/2" BSP        | - |
| NTL4G                 | 3/4" BSP        | - |
| NTL5G                 | 1" BSP          | - |
| NTL6G                 | 1 1/4" BSP      | - |
| NTL7G                 | 1 1/2" BSP      | - |
| NTL8G                 | 2" BSP          | - |



### Tapón con filtro en base

Filler plug and breather  
Bouchon de remplissage et reniflard  
Tappo con filtro alla base

| Part n°<br>Referencia | THREAD<br>ROSCA | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|-----------------|------------------------------------------|---|
| NSF1G                 | 1/4" BSP        | 40 µm                                    | - |
| NSF2G                 | 3/8" BSP        | 40 µm                                    | - |
| NSF3G                 | 1/2" BSP        | 40 µm                                    | - |
| NSF4G                 | 3/4" BSP        | 40 µm                                    | - |
| NSF5G                 | 1" BSP          | 40 µm                                    | - |
| NSF6G                 | 1 1/4" BSP      | 40 µm                                    | - |



### Tapón Rosca Métrica

Metric thread plug  
Bouchon à filetage métrique  
Tappo con filettatura metrica

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| NSF1M                 | M14x1.5         | - |
| NSF2M                 | M16x1.5         | - |
| NSF3M                 | M18x1.5         | - |
| NSF4M                 | M20x1.5         | - |
| NSF5M                 | M22x1.5         | - |
| NSF6M                 | M24x1.5         | - |
| NSF7M                 | M26x1.5         | - |



### Tapón desvaporizador con antirretorno

Breather plug with valve  
Bouchon reniflard avec valve  
Tappo di sfiato con ritegno

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| NTCA1G                | 1/4" BSP        | - |
| NTCA2G                | 3/8" BSP        | - |
| NTCA3G                | 1/2" BSP        | - |
| NTCA4G                | 3/4" BSP        | - |
| NTCA5G                | 1" BSP          | - |



### Tapón sin filtro con antiretorno

Filler breather without filter with valve  
Bouchon sans filtre avec anti-retour  
Tappo senza filtro con contropiede

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| NSFO/R0G              | 1/8" BSP        | - |
| NSFO/R1G              | 1/4" BSP        | - |
| NSFO/R2G              | 3/8" BSP        | - |
| NSFO/R3G              | 1/2" BSP        | - |
| NSFO/R4G              | 3/4" BSP        | - |
| NSFO/R5G              | 1" BSP          | - |

## ACCESORIOS DE DEPÓSITOS

Tank accessories  
Accessoires pour réservoirs  
Accessori Serbatoi

TrAle®

### Tapón con filtro en cabeza

filling plug with filter on top

Bouchon de remplissage avec filtre en tête

Tappo di riempimento con filtro in testa



| Part n°<br>Referencia | THREAD<br>ROSCA | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|-----------------|------------------------------------------|---|
| NSFA0G                | 1/8" BSP        | 40 µm                                    | - |
| NSFA1G                | 1/4" BSP        | 40 µm                                    | - |
| NSFA2G                | 3/8" BSP        | 40 µm                                    | - |
| NSFA3G                | 1/2" BSP        | 40 µm                                    | - |
| NSFA4G                | 3/4" BSP        | 40 µm                                    | - |
| NSFA5G                | 1" BSP          | 40 µm                                    | - |

### Tapón hexagonal metálico con agujero y filtro

Hexagonal plug with venting hole and filter

Bouchon hexagonal avec orifice et filtre

Tappo testa esagonale con foro di sfizio e filtro



| Part n°<br>Referencia | THREAD<br>ROSCA | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|-----------------|------------------------------------------|---|
| NCSF1G                | 1/4" BSP        | 40 µm                                    | - |
| NCSF2G                | 3/8" BSP        | 40 µm                                    | - |
| NCSF3G                | 1/2" BSP        | 40 µm                                    | - |
| NCSF4G                | 3/4" BSP        | 40 µm                                    | - |
| NCSF5G                | 1" BSP          | 40 µm                                    | - |

### Tapón magnético allen

Allen magnetic plug

Bouchon acier magnétique allen

Tappo magnetico cava esagonale



| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| NCEM1G                | 1/4" BSP        | - |
| NCEM2G                | 3/8" BSP        | - |
| NCEM3G                | 1/2" BSP        | - |
| NCEM4G                | 3/4" BSP        | - |

### Tapón magnético hexagonal

Hexagonal magnetic plug

Bouchon acier magnétique hexagonal

Tappo di carico magnetico testa esagonale



| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| NCSM/F1G              | 1/4" BSP        | - |
| NCSM/F2G              | 3/8" BSP        | - |
| NCSM/F3G              | 1/2" BSP        | - |
| NCSM/F4G              | 3/4" BSP        | - |



### Filtro aspiración metálico 149 μ

Metallic suction filter 149 μ

Crepine d'aspiration métallique 149 μ

Filtro in aspirazione metallico 149 μ

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | € |
|-----------------------|-----------------|------------------------------------------|---|
| FITS10T149            | 3/8" BSP        | 12                                       | - |
| FITS11T149            | 1/2" BSP        | 20                                       | - |
| FITS20T149            | 3/4" BSP        | 28                                       | - |
| FITS21T149            | 1" BSP          | 40                                       | - |
| FITS31T149            | 1 1/4" BSP      | 60                                       | - |
| FITS32T149            | 1 1/2" BSP      | 80                                       | - |
| FITS33T149            | 1 1/2" BSP      | 120                                      | - |
| FITS34T149            | 2" BSP          | 160                                      | - |
| FITS35T149            | 2" BSP          | 200                                      | - |
| FITS42T149            | 2 1/2" BSP      | 300                                      | - |
| FITS43T149            | 3" BSP          | 400                                      | - |



### Filtro en línea (Carcasa)

In line filter (cartridge)

Filtre en ligne (tête)

Filtro in linea (corpo)

| Part n°<br>Referencia | THREAD<br>ROSCA | CARTRIDGE<br>CARTUCHO | € |
|-----------------------|-----------------|-----------------------|---|
| FITA10/11A            | 3/4" BSP        | FITCA10/11            | - |
| FITA20/21A            | 1 1/4" BSP      | FITCA20/21            | - |
| FITA10/11R            | 3/4" BSP        | FITCA10/11            | - |
| FITA20/21R            | 1 1/4" BSP      | FITCA20/21            | - |

A=Aspiración; R=Retorno. Cartucho no incluido. / A=Intake; R=Return. Cartridge not included. / A=Aspiration; R=Refoulement. Cartouche pas inclus. / A=Aspirazione; R=Ritorno. Cartuccia esclusa



### Filtro en línea (Cartucho)

Cartridge line filter

Filtre en ligne (cartouche)

Filtro in linea (cartuccia)

| Part n°<br>Referencia | THREAD<br>ROSCA | DESCRIPTION<br>DESCRIPCION | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|---|
| FITCA10C10            | 3/4" BSP        | Carton 10 μm               | 70                                       | - |
| FITCA10C25            | 3/4" BSP        | Carton 25 μm               | 70                                       | - |
| FITCA10T125           | 3/4" BSP        | Metallic 125 μm            | 70                                       | - |
| FITCA11C10            | 3/4" BSP        | Carton 10 μm               | 70                                       | - |
| FITCA11C25            | 3/4" BSP        | Carton 25 μm               | 100                                      | - |
| FITCA11T125           | 3/4" BSP        | Metallic 125 μm            | 100                                      | - |
| FITCA20C10            | 1" 1/4" BSP     | Carton 10 μm               | 140                                      | - |
| FITCA20C25            | 1" 1/4" BSP     | Carton 25 μm               | 160                                      | - |
| FITCA20T125           | 1" 1/4" BSP     | Metallic 125 μm            | 150                                      | - |
| FITCA21C10            | 1" 1/4" BSP     | Carton 10 μm               | 160                                      | - |
| FITCA21C25            | 1" 1/4" BSP     | Carton 25 μm               | 180                                      | - |
| FITCA21T125           | 1" 1/4" BSP     | Metallic 125 μm            | 200                                      | - |



### Filtro semisumergido de retorno (Carcasa)

Return filter semi-submerged (head)

Filtre retour semi-immersé (tête)

Filtro in ritorno semi immerso (testa)

| Part n°<br>Referencia | THREAD<br>ROSCA | CARTRIDGE<br>CARTUCHO | € |
|-----------------------|-----------------|-----------------------|---|
| FITR10                | 1/2" BSP        | FITCR10               | - |
| FITR21                | 3/4" BSP        | FITCR20               | - |
| FITR23                | 1" BSP          | FITCR22               | - |
| FITR40                | 1" BSP          | FITCR40               | - |

Cartucho no incluido. / Cartridge not included. / Cartouche pas inclus. / Cartuccia esclusa.

## FILTROS

Filters

Filtres

Filtri

**TrAle®**


### Filtro semisumergido de retorno (Cartucho)

Return filter semi-submerged (cartridge)

Filtre retour semi-immersé (cartouche)

Filtro in ritorno semi immerso (Cartuccia)

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | € |
|-----------------------|----------------------------|------------------------------------------|---|
| <b>FITCR10C10B</b>    | Carton 10 µm               | 50                                       | - |
| <b>FITCR10C25B</b>    | Carton 25 µm               | 50                                       | - |
| <b>FITCR20C10B</b>    | Carton 10 µm               | 100                                      | - |
| <b>FITCR20C25B</b>    | Carton 25 µm               | 100                                      | - |
| <b>FITCR22C10B</b>    | Carton 10 µm               | 100                                      | - |
| <b>FITCR22C25B</b>    | Carton 25 µm               | 100                                      | - |
| <b>FITCR40C10B</b>    | Carton 10 µm               | 250                                      | - |
| <b>FITCR40C25B</b>    | Carton 25 µm               | 250                                      | - |



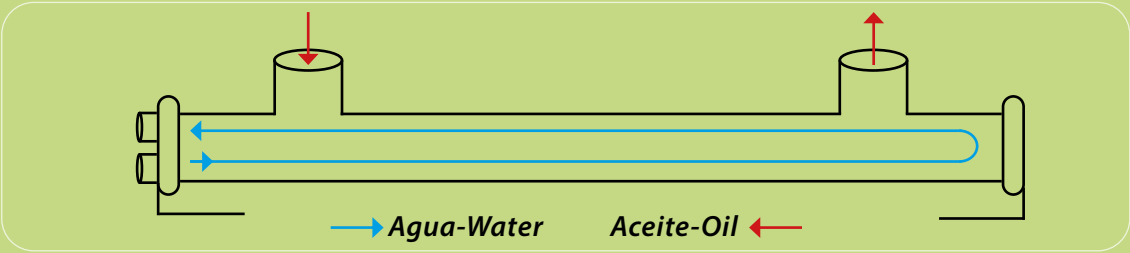
Intercambiadores de calor aceite/aire -serie ICT, con termostato

Heat exchangers oil/air with thermostat- ICT series  
Échangeurs de chaleur huile/air, avec thermostat - série ICT  
Scambiatori di calore aria-olio serie ICT, con termost., BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | CAPACITY (l)<br>CAPACIDAD (l) | PROTECTION (IP)<br>PROTECCIÓN (IP) | € |
|-----------------------|-----------------|----------------------------|---------------------------|------------------------------------------|-----------------------------------------|-------------------------------|------------------------------------|---|
| ICT21012VDC           | 1" BSP          | 12 VDC                     | 70                        | 10                                       | 80                                      | 1,7                           | 64                                 | - |
| ICT21024VDC           | 1" BSP          | 24 VDC                     | 70                        | 10                                       | 80                                      | 1,7                           | 64                                 | - |
| ICT25012VDC           | 1" BSP          | 12 VDC                     | 150                       | 20                                       | 150                                     | 2                             | 68                                 | - |
| ICT25024VDC           | 1" BSP          | 24 VDC                     | 150                       | 20                                       | 150                                     | 2                             | 68                                 | - |
| ICT250/212VDC         | 1" BSP          | 12 VDC                     | 180                       | 30                                       | 180                                     | 4                             | 68                                 | - |
| ICT250/224VDC         | 1" BSP          | 24 VDC                     | 180                       | 30                                       | 180                                     | 4                             | 68                                 | - |
| ICT39012VDC           | 1" BSP          | 12 VDC                     | 240                       | 50                                       | 250                                     | 5                             | 68                                 | - |
| ICT39024VDC           | 1" BSP          | 24 VDC                     | 240                       | 50                                       | 250                                     | 5                             | 68                                 | - |

INTERCAMBIADORES DE CALOR · *HEAT EXCHANGERS*

Ver Página · See page  
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Standard



Marino · Marine



## **MINICENTRALES SEMIELABORADAS**

**104**

Pre-assembled mini power packs

Minicentrales pre-assemblés

Minicentrali assemblate

## **DESPIECE Y RECAMBIOS**

**106**

Tanks, filters, sights, plugs and flanges

Réservoirs, filtres, viseurs, bouchons et brides

Vista esploso/serbatoj, filtri, tappi e flange



# 05

## **MINICENTRALES HIDRÁULICAS**

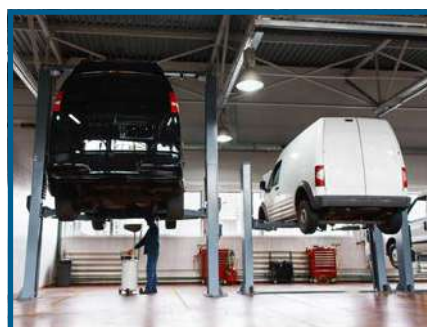
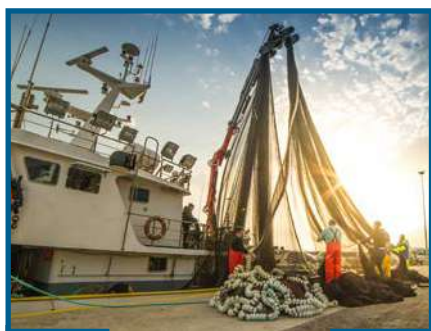
Mini power packs

Mini-centrales hydrauliques

Minicentrali idrauliche

# APLICACIONES DE MINICENTRALES

## MINI POWER PACKS APPLICATIONS





# MINICENTRALES A MEDIDA

## CUSTOMISE YOUR MINI POWER PACKS



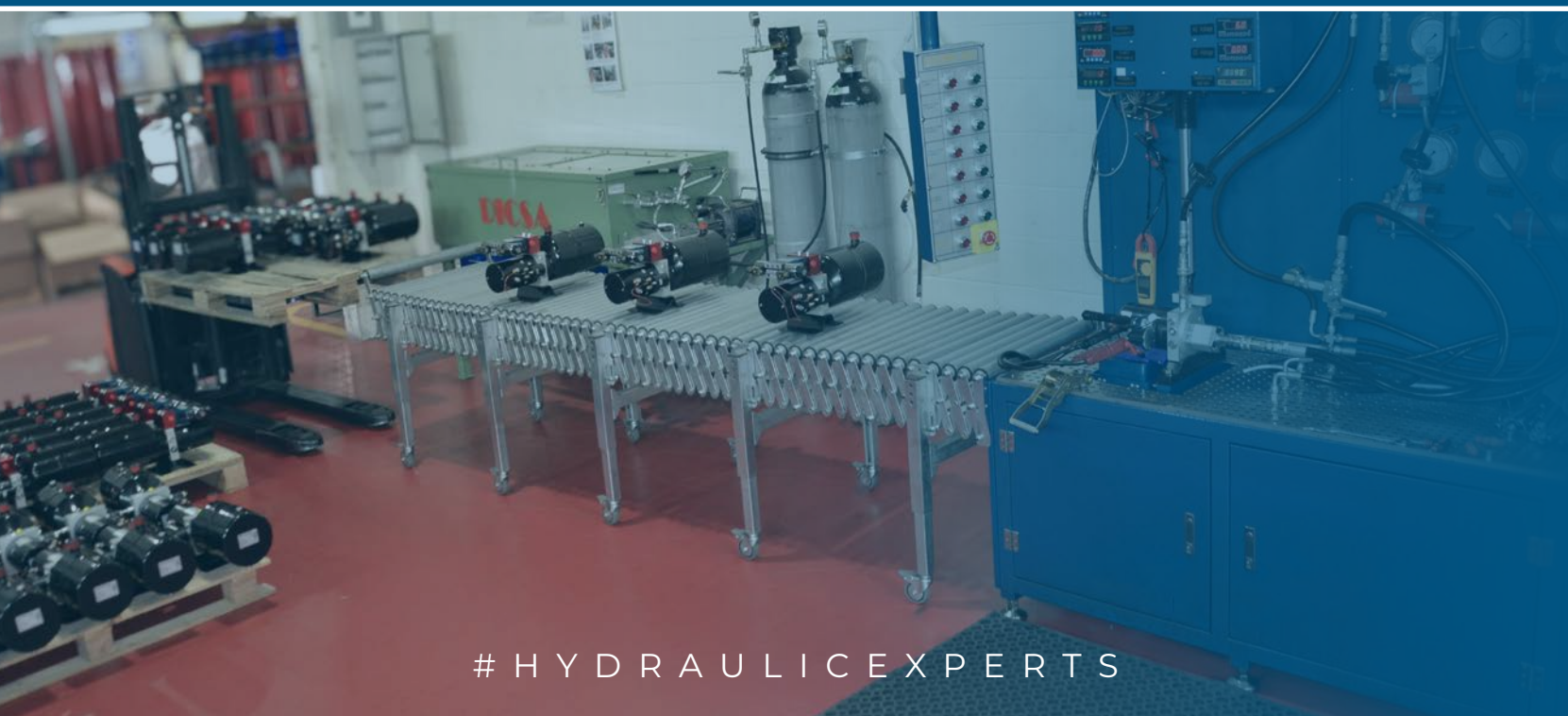
DESCARGA EL CATÁLOGO  
DOWNLOAD CATALOGUE



# Tridale®

**MÁS RÁPIDOS Y EFICIENTES CON NUESTRA NUEVA ÁREA  
PARA LA FABRICACIÓN DE MINICENTRALES EN SERIE**

Efficiency & versatility with our new workshop for serial  
mini power packs manufacturing and design.



#HYDRAULICEXPERTS

## MINICENTRALES SEMIELABORADAS

Pre-assembled mini power packs

Minicentrales pre-assemblées

Minicentrali assemblate

TrAie®

### Minicentral C.C. simple efecto válvula descenso, sin depósito

Mini power pack direct current for single acting circuit, 2 ways cartridge valve, without tank

Mini-centrale CC pour circuit simple effet, valve en cartouche à 2 voies, sans réservoir

Minicentrale CC, S.E., valvola discesa, senza serbatoio



| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | FLOW (cm³)<br>CAUDAL (cm³) | € |
|-----------------------|----------------------------|---------------------------|----------------------------|---|
| MINICENTRAL12SE12     | 12 VDC                     | 1600                      | 3,3                        | - |
| MINICENTRAL24SE24     | 24 VDC                     | 2200                      | 3,3                        | - |

### Grupo motobomba C.A, Salidas P-T, sin depósito

Power unit AC/ P&T exits, without tank

Groupe moteur pompe CA / sorties P et T, sans réservoir

Gruppo motopompa C.A., uscita P-T, senza serbatoio



| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | POWER (HP)<br>POTENCIA (CV) | FLOW (cm³)<br>CAUDAL (cm³) | € |
|-----------------------|----------------------------|-----------------------------|----------------------------|---|
| MINICENTRALCAT3       | 220/50                     | 3                           | 5,8                        | - |
| MINICENTRALCAT4       | 220/380                    | 3                           | 5,8                        | - |

### Minicentral C.A. Placa base, sin depósito

Mini power pack AC, subplate, without tank

Mini-centrale CA, embase, sans réservoir

Minicentrale C.A., piastra di base senza serbatoio



| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | POWER (HP)<br>POTENCIA (CV) | FLOW (cm³)<br>CAUDAL (cm³) | Solenoid valve<br>Electroválvula | € |
|-----------------------|----------------------------|-----------------------------|----------------------------|----------------------------------|---|
| MINICENTRALCAT1       | 220/50                     | 2                           | 3,2                        | (*)                              | - |
| MINICENTRALCAT2       | 220/380                    | 2                           | 4,2                        | (*)                              | - |

A definir según aplicación. Electroválvula no incluida. / To define according to application. Solenoid valve not included. / Définir selon application. Electro-distributeur non inclu. / Da definire secondo applicazione. Elettrovalvola esclusa

### Grupo motobomba C.C.

DC power pack

Groupe moto-pompe en courant continue

Gruppo motopompa C.C.



| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | FLOW (cm³)<br>CAUDAL (cm³) | € |
|-----------------------|----------------------------|---------------------------|----------------------------|---|
| MINICENTRALCC         | 12/24VDC                   | 4500                      | 4,5                        | - |

Consultar disponibilidad para otros caudales y voltajes. Bomba recambio BT245105 / Consult us availability for other flows and voltages. Pump spare part number BT245105 / Consultez-nous pour autres débits et voltages. Bombe de réarmement BT245105 / Consultare la disponibilità per altre portate e voltaggi. Pompa di ricambio codice BT245105

### Minicentrales completas para aplicaciones industriales

Assembled mini power packs for industrial applications

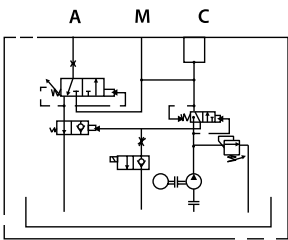
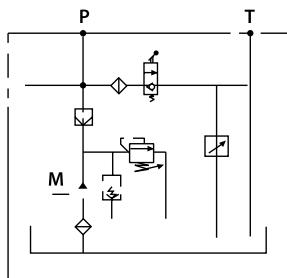
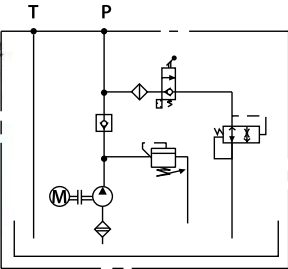
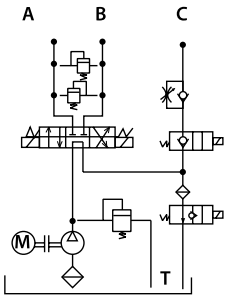
Mini-centrales montées pour des applications industrielles

Minicentrali assemblate per applicazioni industriali

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN                     | € |
|-----------------------|------------------------------------------------|---|
| MINICENTRALCAT5       | Muelle carga / Dock leveler                    | - |
| MINICENTRALCAT7       | Elevador coches, tipo 1 / Car lift, type 1     | - |
| MINICENTRALCCT10      | Máquina quitanieves / Snow plow                | - |
| MINICENTRALCCT9       | Carretilla eléctrica / Manual electric stacker | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

Estos modelos definidos no admitirán modificaciones. Para otras aplicaciones industriales, consultar. / Modifications are not allowed for these models. Consult us other industrial applications. / Sans possibilité de modification ou changement. Nous consult. / Per questi modelli non si ammettono variazioni. Per altre applicazioni industriali, consultare.

| MINICENTRALCAT5                                                                                                                                                         | MINICENTRALCAT7                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |      |
| MINICENTRALCCT9                                                                                                                                                         | MINICENTRALCCT10                                                                                                                                                           |
|   |   |

## DESPIECE Y RECAMBIOS

Tanks, filters, sights, plugs and flanges  
Réservoirs, filtres, viseurs, bouchons et brides  
Vista esploso/serbatoi, filtri, tappi e flange

# TrAle®



### Motor corriente continua

Direct current motor  
Moteur courant continu  
Motori a corrente continua

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | VOLTAGE (V)<br>VOLTAGE (V) | POWER (W)<br>POTENCIA (W) | € |
|-----------------------|----------------------------|----------------------------|---------------------------|---|
| MCM12CC H-TD          | Con relé / With relay      | 12 VDC                     | 1600                      | - |
| MCM12CC1800 H-TD      | Con relé / With relay      | 12 VDC                     | 1800                      | - |
| MCM24DC H-TD          | Con relé / With relay      | 24 VDC                     | 2200                      | - |

### Motor minicentral corriente continua 800W

Direct current motor 800W  
Moteur mini-centrale courant continu 800W  
Mini power pack Motore a corrente continua 800w



| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAGE (V) | POWER (W)<br>POTENCIA (W) | € |
|-----------------------|----------------------------|---------------------------|---|
| MCM12CC800 H-TD       | 12 VDC                     | 800W                      | - |
| MCM24DC800 H-TD       | 24 VDC                     | 800W                      | - |

\*Relé no incluido / \*Relay not included / \*Relais non inclus / \*Relè non incluso



### Relé

Relay  
Relais  
Relè

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAGE (V) | AMP (A) | € |
|-----------------------|----------------------------|---------|---|
| MCR12CC H-TD          | 12 VDC                     | 200     | - |
| MCR24CC H-TD          | 24 VDC                     | 200     | - |

### Carcasa protectora plástico Motor CC

Plastic protective casing for DC Motor  
Carcasse de protection en plastique pour Moteur CC  
Protezione in plastica per motore CC



| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|----------------------------|---|
| PROTMOTDC             | DC MOTOR                   | - |

Carcasa válida para motores DC 1600W y 2200W / Casing valid for 1600W and 2200W DC motor / Cadre convient aux moteurs DC 1600W et 2200W / Corpo per motori DC 1600W e 2200W

## MOTOR ELÉCTRICO • ELECTRIC MOTOR

# TrAle®

### Amplia variedad según su aplicación final:

- Potencia de 0.25 a 30 cv
- Tipo de Brida: B5, B14
- Monofásicos / trifásicos

Wide variety:

- Power ranging from 0,25 HP to 30 HP
- Flange: B5, B14
- Single-phase / three-phase



Fichas técnicas disponibles en nuestra web / Technical data in our web



## DESPIECE Y RECAMBIOS

Tanks, filters, sights, plugs and flanges  
Réservoirs, filtres, viseurs, bouchons et brides  
Vista esploso/serbatoi, filtri, tappi e flange

PUMPS

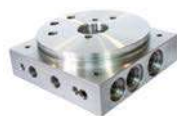
CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

HYDRAULIC COMPONENTS  
GREENLINE



### Bloque central DICSA

DICSA Center block  
Bloc central DICSA  
Blocco centrale DICSA

| Part n°<br>Referencia | MATERIAL            | € |
|-----------------------|---------------------|---|
| BLODIC-TD             | ALUMINUM / ALUMINIO | - |



### Soporte para bloque

Support for center block  
Support pour bloc central  
Supporto per blocco

| Part n°<br>Referencia | MATERIAL      | € |
|-----------------------|---------------|---|
| MC001 H-TD            | Acero / Steel | - |

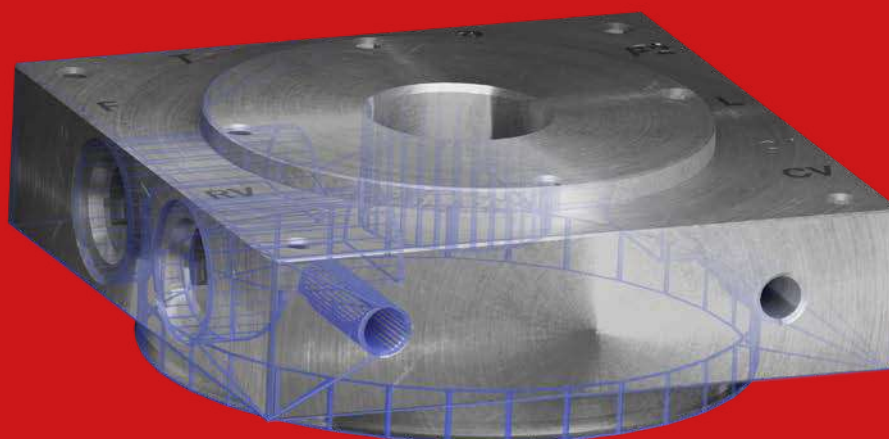


### Tapones

Plugs  
Bouchons  
Tappi

| Part n°<br>Referencia | THREAD<br>ROSCA | DESCRIPTION<br>DESCRIPCION                                     | € |
|-----------------------|-----------------|----------------------------------------------------------------|---|
| MC048 H-TD            | 3/4" -16 UNF    | Tapón normal allen / Standard allen plug                       | - |
| MC067 H-TD            | 3/4" -16 UNF    | Anulación válvula descenso / 2 ways cartridge valve annulation | - |

## BLOQUE CENTRAL CENTRAL BLOCK



## DESPIECE Y RECAMBIOS

Tanks, filters, sights, plugs and flanges  
Réservoirs, filtres, viseurs, bouchons et brides  
Vista esploso/serbatoi, filtri, tappi e flange

# TrAle®



### Bombas de engranajes

Gear pumps  
Pompes à engrenage  
Pompe a ingranaggi

| Part n°<br>Referencia | FLOW (cm³)<br>CAUDAL (cm³) | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|----------------------------|----------------------------------------------|---|
| MCB11 H-TD            | 1,1                        | 200                                          | - |
| MCB16 H-TD            | 1,6                        | 200                                          | - |
| MCB21 H-TD            | 2,1                        | 200                                          | - |
| MCB25 H-TD            | 2,5                        | 200                                          | - |
| MCB27 H-TD            | 2,7                        | 200                                          | - |
| MCB32 H-TD            | 3,2                        | 200                                          | - |
| MCB37 H-TD            | 3,7                        | 200                                          | - |
| MCB42 H-TD            | 4,2                        | 200                                          | - |
| MCB48 H-TD            | 4,8                        | 160                                          | - |
| MCB58 H-TD            | 5,8                        | 160                                          | - |
| MCB70 H-TD            | 7                          | 160                                          | - |
| MCB80 H-TD            | 8                          | 160                                          | - |
| MCB98 H-TD            | 9,8                        | 160                                          | - |

Giro a izquierdas / Counterclockwise / Rotation à gauche / Giro a sinistra



### Juntas Bomba minicentral

Mini power packs pump gaskets  
Joints pour Mini-centrales  
Guarnizioni pompa mini centraline

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|----------------------------|---|
| JMINICENTRALCC        | Kit de juntas / Seals Kit  | - |



### Bombas manuales

Hand pumps  
Pompes à main  
Pompe manuali

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN                  | cm³/rev | € |
|-----------------------|---------------------------------------------|---------|---|
| MC044 H-TD            | PB / PM inclu.                              | 8       | - |
| PB MC044 H-TD         | MC044 H-TD Block / Bloque MC044 H-TD        | -       | - |
| PM MC044 H-TD         | MC044 H-TD Subplate / Placa base MC044 H-TD | -       | - |



### Campanas

Bellhousings  
Lanternes  
Campane

| Part n°<br>Referencia | MOTOR CV/HP | € |
|-----------------------|-------------|---|
| MC064 H-TD            | 0,75-1      | - |
| MC065 H-TD            | 1,5-2       | - |
| MC066 H-TD            | 3-5,5       | - |



### Acoplamiento y adaptadores

Couplings and adaptors  
Accouplements et adapteurs  
Accoppiamenti e adattatori

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN             | € |
|-----------------------|----------------------------------------|---|
| MC046 H-TD            | Adapt. Motor DC-Bomba ( PUMP) Trale    | - |
| MC061 H-TD            | Adapt. Motor AC B14-Bomba (pump) Trale | - |
| MC071 H-TD            | 0,75-1 CV/HP                           | - |
| MC072 H-TD            | 1,5-2 CV/HP                            | - |
| MC073 H-TD            | 3-5,5 CV/HP                            | - |



### Depósitos

Tanks  
Réservoirs  
Serbatoi

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | CAPACITY (l)<br>CAPACIDAD (l) | € |
|-----------------------|----------------------------|-------------------------------|---|
| MCD2HV H-TD           | H/V                        | 2                             | - |
| MCD3HV H-TD           | H/V                        | 3                             | - |
| MCD4HV H-TD           | H/V                        | 4                             | - |
| MCD5HV H-TD           | H/V                        | 5                             | - |
| MCD6HV H-TD           | H/V                        | 6                             | - |
| MCD8HV H-TD           | H/V                        | 8                             | - |
| MCD10HV H-TD          | H/V                        | 10                            | - |
| MCD2 H-TD             | Horizontal                 | 2                             | - |
| MCD3 H-TD             | Horizontal                 | 3                             | - |
| MCD12 H-TD            | Horizontal                 | 12                            | - |
| MCD15 H-TD            | Horizontal                 | 15                            | - |
| MCD20 H-TD            | Horizontal                 | 20                            | - |
| MCD30 H-TD            | Horizontal                 | 30                            | - |
| MCD2V H-TD            | Vertical                   | 2                             | - |
| MCD5V H-TD            | Vertical                   | 5                             | - |
| MCD9V H-TD            | Vertical                   | 9                             | - |
| MCD15V H-TD           | Vertical                   | 15                            | - |
| MCD20V H-TD           | Vertical                   | 20                            | - |
| MCD30V H-TD           | Vertical                   | 30                            | - |



### Depósitos plástico

Plastic tanks  
Réservoirs en plastique  
Serbatoi in plastica

| Part n°<br>Referencia | THREAD<br>ROSCA | DESCRIPTION<br>DESCRIPCIÓN | CAPACITY (l)<br>CAPACIDAD (l) | DIAMETER (mm)<br>DIÁMETRO (mm) | € |
|-----------------------|-----------------|----------------------------|-------------------------------|--------------------------------|---|
| MCDP2.5 H-TD          | 3/8" BSP        | 140 x 140 x 210            | 2,5                           | 120                            | - |
| MCDP4 H-TD            | 3/4" BSP        | 180 x 180 x 200            | 4                             | 120                            | - |
| MCDP5 H-TD            | 3/4" BSP        | 180 x 180 x 290            | 5                             | 120                            | - |
| MCDP6 H-TD            | 3/4" BSP        | 180 x 180 x 335            | 6                             | 120                            | - |
| MCDP8 H-TD            | 3/4" BSP        | 180 x 180 x 440            | 8                             | 120                            | - |
| MCDP10 H-TD           | 3/4" BSP        | 180 x 180 x 530            | 10                            | 120                            | - |
| MCDP12 H-TD           | 3/4" BSP        | 180 x 180 x 550            | 12                            | 120                            | - |
| MCDP14 H-TD           | 3/4" BSP        | 180 x 180 x 595            | 14                            | 120                            | - |
| MCDP16 H-TD           | 3/4" BSP        | 180 x 180 x 700            | 16                            | 120                            | - |
| MCDPC16 H-TD          | 3/4" BSP        | 230 x 225 x 350            | 16                            | 120                            | - |



### Filtros

Filters  
Filtres  
Filtri

| Part n°<br>Referencia | Ø OUTER<br>Ø EXT. | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|-------------------|------------------------------------------|---|
| MC006 H-TD            | 64 mm             | 150-180 µm                               | - |
| MC007 H-TD            | 49 mm             | 180 µm                                   | - |



### Bridas

Flanges  
Brides  
Flange

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN                       | € |
|-----------------------|--------------------------------------------------|---|
| NEW ABRAZADERAMCDP140 | PARA / FOR MCDP                                  | - |
| MC002H-TD             | BLODIC-TD WELDING FLANGE/ BRIDA SOLDAR BLODIC-TD | - |

## DESPIECE Y RECAMBIOS

Tanks, filters, sights, plugs and flanges  
Réservoirs, filtres, viseurs, bouchons et brides  
Vista esploso/serbatoi, filtri, tappi e flange

# TrAle®



### Tapones aireadores

Air breather  
Bouchon aérateur  
Tappi sfiato per serbatoi

| Part n°<br>Referencia | THREAD<br>ROSCA | DESCRIPTION<br>DESCRIPCIÓN                       | € |
|-----------------------|-----------------|--------------------------------------------------|---|
| MC045 H-TD            | 3/8" BSP        | Aireador, para depósito / Air breather, for tank | - |
| MC004 H-TD            | 1/2" BSP        | Aireador, para depósito / Air breather, for tank | - |
| MC060 H-TD            | 3/4" BSP        | Aireador, para depósito / Air breather, for tank | - |



### Juntas

Gaskets  
Joints  
Guarnizioni

| Part n°<br>Referencia | JOINT<br>JUNTA | Type<br>Tipo | Ø (mm)    | € |
|-----------------------|----------------|--------------|-----------|---|
| MC059 H-TD            | BLODIC-TD      | NBR          | 120 x 2.6 | - |



### Válvulas de descenso (15,87mm)

2 ways cartridge valves (15,87 mm)  
Valves en cartouche à 2 voies (15,87 mm)  
Valvole di discesa (15,87mm)

| Part n°<br>Referencia | THREAD<br>ROSCA | DETAILS<br>DETALLES | VOLTAGE (V)<br>VOLTAGE (V) | € |
|-----------------------|-----------------|---------------------|----------------------------|---|
| MC010 H-TD 15.87      | 3/4" 16 UNF     | N.C.                | 12 VDC                     | - |
| MC011 H-TD 15.87      | 3/4" 16 UNF     | N.C.                | 24 VDC                     | - |
| MC014 H-TD 15.87      | 3/4" 16 UNF     | N.C.                | 24 VAC                     | - |
| MC015 H-TD 15.87      | 3/4" 16 UNF     | N.C.                | 110 RAC                    | - |
| MC016 H-TD 15.87      | 3/4" 16 UNF     | N.C.                | 220 RAC                    | - |
| MC017 H-TD 15.87      | 3/4" 16 UNF     | N.A./N.O.           | 12 VDC                     | - |
| MC018 H-TD 15.87      | 3/4" 16 UNF     | N.A./N.O.           | 24 VDC                     | - |
| MC033 H-TD 15.87      | 3/4" 16 UNF     | N.A./N.O.           | 220 RAC                    | - |



### Válvulas limitadoras de presión

Pressure relief valves  
Limiteurs de pression  
Valvole limitatrici di pressione

| Part n°<br>Referencia | THREAD<br>ROSCA | Ø OUTER<br>Ø EXTERIOR | REGULATION RATE (BAR)<br>CAMPO DE REG. (BAR) | € |
|-----------------------|-----------------|-----------------------|----------------------------------------------|---|
| MC031 H-TD 15.87      | 3/4" 16UNF      | 15,87 mm              | 50-250                                       | - |
| MC032 H-TD 15.87      | 3/4" 16UNF      | 15,87 mm              | 10-100                                       | - |



### Válvulas reguladoras de caudal

Flow control valve  
Valve régulatrice de débit  
Regolatori di flusso

| Part n°<br>Referencia | THREAD<br>ROSCA | Ø OUTER<br>Ø EXTERIOR | € |
|-----------------------|-----------------|-----------------------|---|
| MC019 H-TD            | 3/4" 16 UNF     | 12,6 mm               | - |



### Antirretornos

Check valves  
Clapet Antiretour  
Fermate

| Part n°<br>Referencia | THREAD<br>ROSCA | Ø OUTER<br>Ø EXTERIOR | € |
|-----------------------|-----------------|-----------------------|---|
| MC058 H-TD            | 3/4" 16 UNF     | 12.7mm                | - |



### Placas base

Subplates  
Embases  
Piastrre di base

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION                                                           | € |
|-----------------------|--------------------------------------------------------------------------------------|---|
| MC020 H-TD            | Soporte adaptador placa base / Support adaptor modular block                         | - |
| MC021 H-TD            | Para 1 electroválvula en serie / For 1 directional valve in serie                    | - |
| MC022 H-TD            | For directional valves in parallel 1/4"BSP                                           | - |
| MC023 H-TD            | Para 1 electroválvula con espaciador / For 1 directional valve with spacer           | - |
| MC023 H-TD 38*        | Para 1 electroválvula con espaciador 3/8" / For 1 directional valve with spacer 3/8" | - |
| MC043 H-TD            | Placa base especial SB76 Trale/ SB76 Trale special subplate                          | - |

\* Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento



### Emisores / receptores

Radio remote control  
Télécommande  
Trasmittitore/Ricevitore

| Part n°<br>Referencia | BUTTONS NR.<br>N° BOTONES | € |
|-----------------------|---------------------------|---|
| ERET10 H-TD           | 10 + Emergency stop       | - |
| ERET12 H-TD           | 12 + Emergency stop       | - |
| ERET4 H-TD            | 4 + Emergency stop        | - |
| ERET6 H-TD            | 6 + Emergency stop        | - |
| ERET8 H-TD            | 8 + Emergency stop        | - |
| ERT2 H-TD             | 2                         | - |
| ERT4 H-TD             | 4                         | - |
| ERT6 H-TD             | 6                         | - |
| ERT8 H-TD             | 8                         | - |



### KIT DE MONTAJE PARA MINICENTRALES / MINI POWER PACKS SPARE PARTS KITS

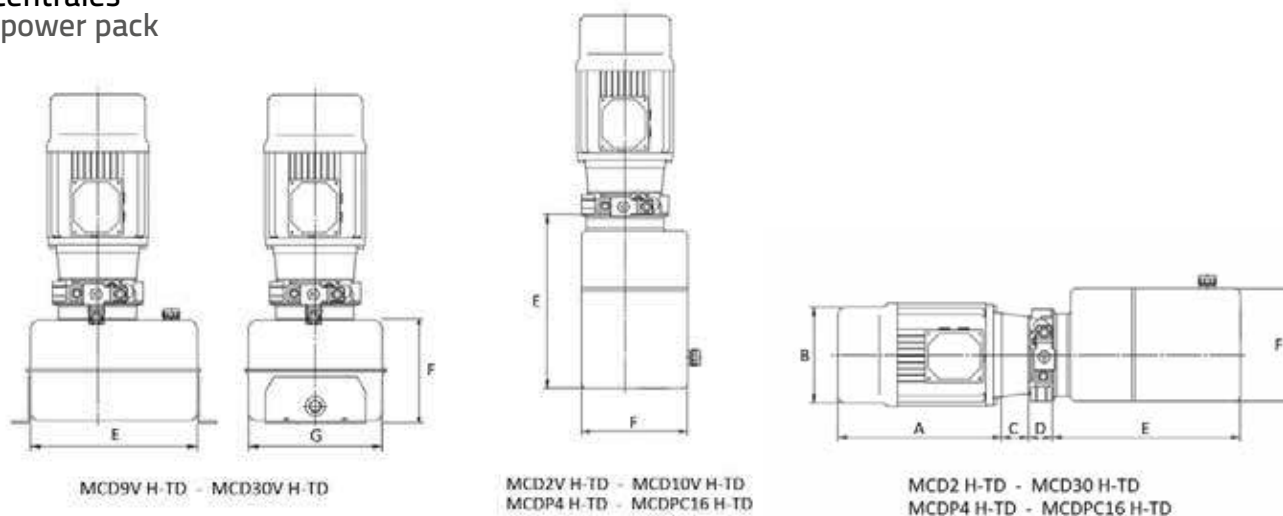
|                              |                                     |                      | €             |
|------------------------------|-------------------------------------|----------------------|---------------|
| <b>KITHPUDC</b><br>PAG 114   | MINICENTRAL DC<br>DC MINIPOWER PACK | CC MOTOR 12DC/24DC   | <b>167,38</b> |
| <b>KITHPU750</b><br>PAG 115  | MINICENTRAL AC<br>AC MINIPOWER PACK | AC MOTOR 1CV B14     | <b>203,97</b> |
| <b>KITHPU1500</b><br>PAG 116 | MINICENTRAL AC<br>AC MINIPOWER PACK | AC MOTOR 2 CV B14    | <b>211,42</b> |
| <b>KITHPU2200</b><br>PAG 117 | MINICENTRAL AC<br>AC MINIPOWER PACK | AC MOTOR 3-5,5CV B14 | <b>251,50</b> |

## EJEMPLO DE APLICACIÓN

### APPLICATION EXAMPLE

TrAle®

#### ■ Minicentrales Mini power pack



#### ■ Dimensiones Dimensions

| Motor<br>Motor                     |     |       |      |    |
|------------------------------------|-----|-------|------|----|
| Referencia<br>Part n°<br>Référence | A   | B     | C    | D  |
| MET0.5B14 H                        | 220 | 185   | 40   | 32 |
| MET1B14 H                          | 250 | 208   | 40   | 32 |
| MET2B14 H                          | 300 | 227,5 | 50   | 32 |
| MET3B14 H                          | 338 | 255   | 67,2 | 32 |
| MEMAP0.5B14 H                      | 225 | 194   | 40   | 32 |
| MEMAP1.5B14 H                      | 285 | 194   | 50   | 32 |
| MET4B14 H                          | 338 | 255   | 67,2 | 32 |
| MET5.5B14 H                        | 387 | 275,5 | 67,2 | 32 |
| MEMAP1B14 H                        | 250 | 223   | 50   | 32 |
| MEMAP2B14 H                        | 315 | 240   | 50   | 32 |
| MEMAP3B14 H                        | 338 | 240   | 67,2 | 32 |
| MCM12CC H-TD                       | 168 | 112   | 0    | 32 |
| MCM12CC1800 H-TD                   | 168 | 112   | 0    | 32 |
| MCM24DC H-TD                       | 168 | 112   | 0    | 32 |
| MCM12CC800 H-TD                    | 15  | 8     | 0    | 32 |
| MCM24DC800 H-TD                    | 15  | 8     | 0    | 32 |

| Depósito Horizontal (metálico)<br>Tank |     |     |
|----------------------------------------|-----|-----|
| Referencia<br>Part n°                  | E   | F   |
| MCD2 H-TD                              | 210 | 145 |
| MCD3 H-TD                              | 215 | 150 |
| MCD4 H-TD                              | 225 | 178 |
| MCD5 H-TD                              | 270 | 178 |
| MCD6 H-TD                              | 290 | 178 |
| MCD8 H-TD                              | 370 | 178 |
| MCD10 H-TD                             | 440 | 178 |
| MCD12 H-TD                             | 330 | 200 |
| MCD15 H-TD                             | 440 | 200 |
| MCD20 H-TD                             | 560 | 200 |
| MCD30 H-TD                             | 390 | 300 |

| Depósito H/V (metálico)<br>Tank |     |     |
|---------------------------------|-----|-----|
| Referencia<br>Part n°           | E   | F   |
| MCD2HV H-TD                     | 180 | 178 |
| MCD3HV H-TD                     | 215 | 178 |
| MCD4HV H-TD                     | 225 | 178 |
| MCD5HV H-TD                     | 270 | 178 |
| MCD6HV H-TD                     | 290 | 178 |
| MCD8HV H-TD                     | 370 | 178 |
| MCD10HV H-TD                    | 440 | 178 |

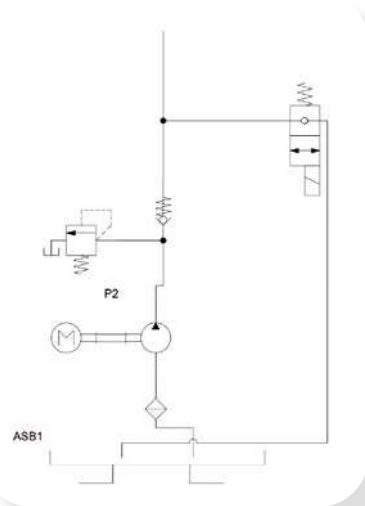
| Depósito H/V (plástico)<br>Tank |     |     |
|---------------------------------|-----|-----|
| Referencia<br>Part n°           | E   | F   |
| MCDP4 H-TD                      | 200 | 180 |
| MCDP5 H-TD                      | 290 | 180 |
| MCDP6 H-TD                      | 335 | 180 |
| MCDP8 H-TD                      | 440 | 180 |
| MCDP10 H-TD                     | 530 | 180 |
| MCDP12 H-TD                     | 550 | 180 |
| MCDP14 H-TD                     | 595 | 180 |
| MCDP16 H-TD                     | 700 | 180 |
| MCDPC16 H-TD                    | 350 | 230 |
| MCD20 H-TD                      | 560 | 200 |
| MCD30 H-TD                      | 390 | 300 |

| Depósito Vertical (metálico)<br>Tank |     |     |     |
|--------------------------------------|-----|-----|-----|
| Referencia<br>Part n°                | E   | F   | G   |
| MCD2V H-TD                           | 210 | 145 | -   |
| MCD3V H-TD                           | 215 | 150 | -   |
| MCD4V H-TD                           | 225 | 178 | -   |
| MCD5V H-TD                           | 270 | 178 | -   |
| MCD6V H-TD                           | 290 | 178 | -   |
| MCD8V H-TD                           | 370 | 178 | -   |
| MCD10V H-TD                          | 440 | 178 | -   |
| MCD9V H-TD                           | 280 | 260 | 170 |
| MCD15V H-TD                          | 300 | 250 | 250 |
| MCD20V H-TD                          | 320 | 270 | 270 |
| MCD30V H-TD                          | 350 | 300 | 300 |



# MINICENTRALES HIDRÁULICAS A MEDIDA

## HYDRAULIC POWER PACKS CUSTOMIZATION



- MOTORES CORRIENTE ALTERNA 1 AC ELECTRIC MOTORS
- MOTORES CORRIENTE CONTINUA 2 DC ELECTRIC MOTORS
- ELECTROVÁLVULAS NG6 3 NG6 SOLENOID VALVE
- REGULADORES DE CAUDAL NG6 4 NG6 FLOW RESTRICTOR VALVE
- ANTIRRETORNOS NG6 5 NG6 CHECK VALVE
- PLACA BASE 6 SUBPLATE
- SEPARADOR 7 SPACER
- BOMBA CON ACCIONAMIENTO MANUAL 8 HAND PUMP
- ACOPLAMIENTOS 9 COUPLING
- CAMPANAS 10 BELLHOUSING
- BLOQUE COMPACTO DISEÑO DICSA 11 CENTRAL MANIFOLD DICSA DESIGNED
- VÁLVULAS INSERTABLES 12 CARTDRIGE VALVE
- REGULADORES DE CAUDAL 13 FLOW RESTRICTOR VALVE
- LIMITADORAS DE PRESIÓN 14 PRESSURE RELIEF VALVE
- VÁLVULA ANTIRRETORNO O TAPÓN 15 CHECK VALVE OR PLUG
- MANÓMETRO Y VÁLVULA DE EXCLUSIÓN 16 PRESSURE GAUGE AND PROTECTOR
- BOMBA DE ENGRANAJE 17 GEAR PUMP
- TUBOS DE ASPIRACIÓN Y RETORNO 18 RETURN AND INLET PIPES
- FILTRO DE ASPIRACIÓN PARA BOMBAS 19 SUCTION FILTER
- DEPÓSITO 20 TANK
- TAPÓN DE NIVEL 21 PLUG
- TAPÓN AIREADOR 22 BREATHER
- SOPORTE 23 MOUNTING BRACKET



# KIT de MONTAJE PARA MINICENTRAL CC

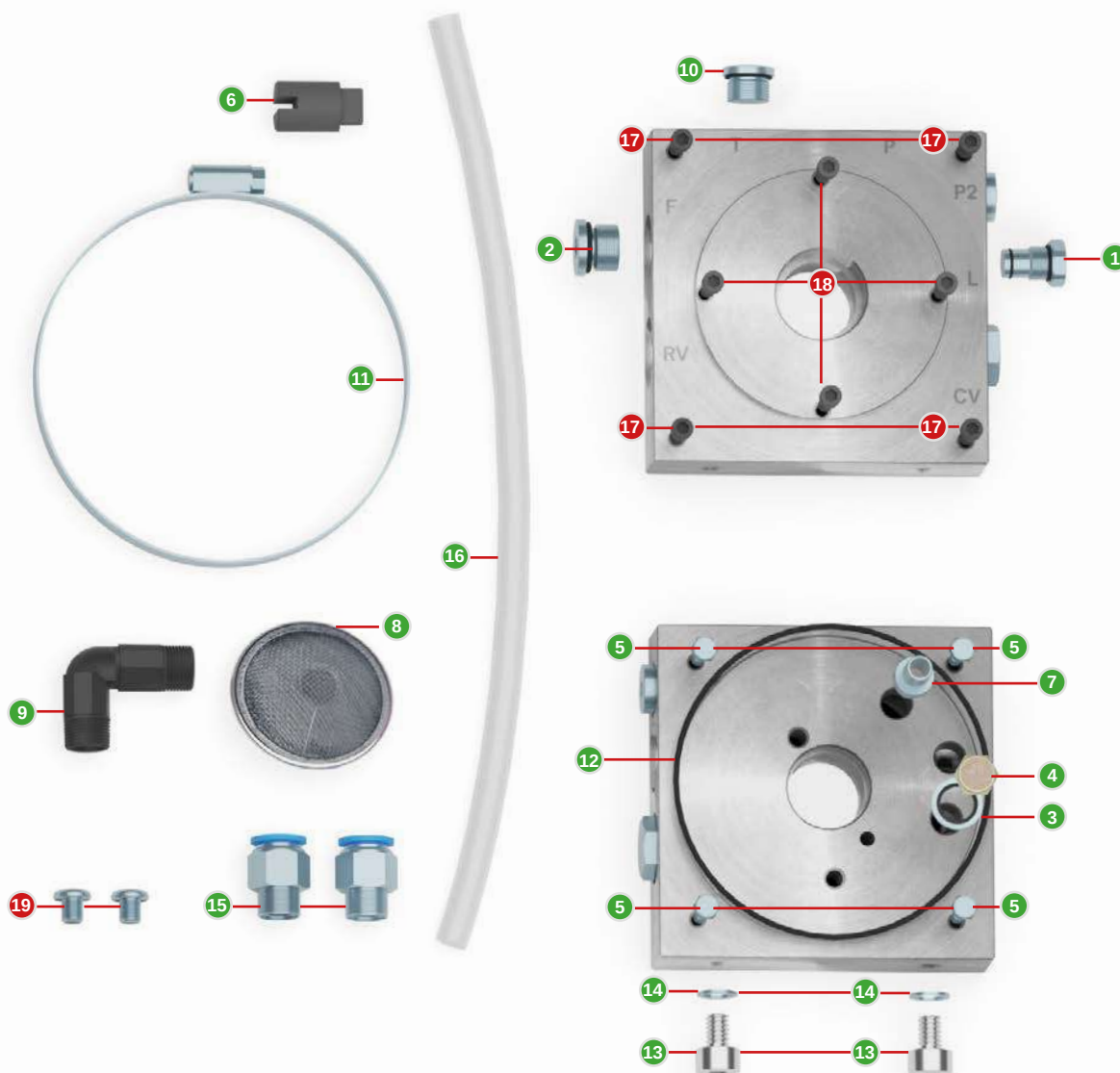
TrΔle®

## SPARE PARTS KIT FOR DC MINIPOWER PACK DC

Ref.: KITHPUDC

|    |                  |                                                                                  |
|----|------------------|----------------------------------------------------------------------------------|
| 1  | MC067 H-TD       | TAPÓN ANULACION VALVULA DESCENSO<br>Plug for 2/2 cavity                          |
| 2  | MC048 H-TD       | TAPÓN ANULACIÓN REG. CAUDAL COMP.<br>Plug for flow regulator cavity              |
| 3  | T21004           | METALBUNA PARA ITEM. N°4 / Bonded seal                                           |
| 4  | SFE 1/4          | SILENCIADOR LIMITADORA<br>Brass breather for relief valve oil exit               |
| 5  | TORNILLOM6X10DEP | UNIÓN DEPOSITO-BLOQUE<br>Bolt for tank-manifold                                  |
| 6  | MC046 H          | ADAPTADOR MOTOR-BOMBA / Coupling                                                 |
| 7  | 3040 10 1/4      | ESPIGA PARA TOMA INTERNA RETORNO<br>Addaptor for return line                     |
| 8  | MC006 H-TD       | FILTRO BOMBA / Suction filter                                                    |
| 9  | SP5 H            | CODO ASPIRACIÓN SOLO MONTAJE HORIZONTAL<br>90° elbow for horizontal mounting     |
| 10 | STOPFEN 1/4      | TOMA EXTERIOR T SOLO S.E.<br>Plug for T return line (single acting applications) |

|    |                       |                                                                                                                                                      |
|----|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11 | ABRAZADERAMCDP140     | ABRAZADERA SOLO DEPÓSITO PLÁSTICO<br>Clamp for plastic tank                                                                                          |
| 12 | MC059 H-TD            | TÓRICA BLODIC-TD-DEPÓSITO / Seal tank - manifold                                                                                                     |
| 13 | TORNILLOALLENM10X20   | TORNILLO PATAS / Bolt for manifold support                                                                                                           |
| 14 | ARANDELAM10DIN125     | ARANDELA TORINILLO PATAS / Washer for support bolts                                                                                                  |
| 15 | PC 1203               | RACOR UNIÓN KITPOL (ASPIRACIÓN MONTAJE VERTICAL)<br>Fitting for suction by plastic pipe                                                              |
| 16 | KITPOL400MM           | TUBO ASPIRACIÓN MONTAJE VERTICAL (TUBO 100MM<br>PARA ITEM N°7 SOLO D.E.-CORTAR-)<br>Plastic pipe for suction line vertical configuration (to be cut) |
| 17 | TORNILLOALLENM6X20    | UNIÓN MOTOR CC VENTILADO<br>Bolt for DC motor (fan version)                                                                                          |
| 18 | TORNILLOALLEN1/4UNC20 | UNIÓN MOTOR CC 800W / Bolt for 800W DC motor                                                                                                         |
| 19 | TORNILLOM5X6RELE      | TORNILLO RELE MOTOR CC VENTILADO<br>Bolt for DC motor rely                                                                                           |



**MOTORES 12CC Y 24CC STANDARD INCLUYEN TORNILLOS DE MONTAJE**  
12CC AND 24CC STANDARD MOTORS INCLUDE MOUNTING SCREWS

# KIT de MONTAJE PARA MINICENTRAL 1CV

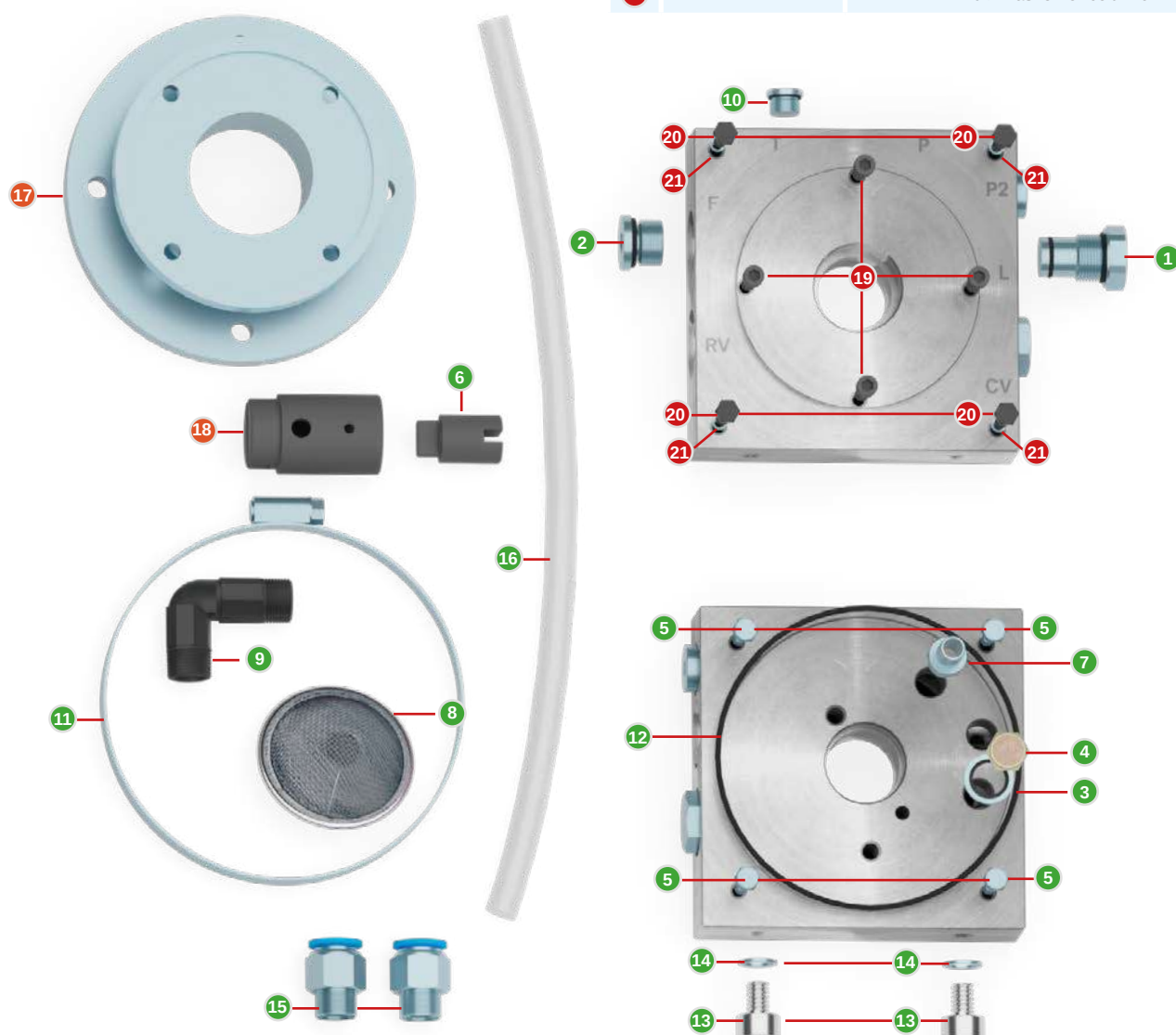
TrΔle®

SPARE PARTS KIT FOR DC MINIPOWERPACK 750W

Ref.: KITHPU750

|    |                  |                                                                                  |
|----|------------------|----------------------------------------------------------------------------------|
| 1  | MC067 H-TD       | TAPÓN ANULACION VALVULA DESCENSO<br>Plug for 2/2 cavity                          |
| 2  | MC048 H-TD       | TAPÓN ANULACIÓN REG. CAUDAL COMP.<br>Plug for flow regulator cavity              |
| 3  | T21004           | METALBUNA PARA ITEM. N°4 / Bonded seal                                           |
| 4  | SFE 1/4          | SILENCIADOR LIMITADORA<br>Brass breather for relief valve oil exit               |
| 5  | TORNILLOM6X10DEP | UNIÓN DEPOSITO-BLOQUE<br>Bolt for tank-manifold                                  |
| 6  | MC046 H          | ADAPTADOR MOTOR-BOMBA / Coupling                                                 |
| 7  | 3040 10 1/4      | ESPIGA PARA TOMA INTERNA RETORNO<br>Addaptor for return line                     |
| 8  | MC006 H-TD       | FILTRO BOMBA / Suction filter                                                    |
| 9  | SP5 H            | CODO ASPIRACIÓN SOLO MONTAJE HORIZONTAL<br>90° elbow for horizontal mounting     |
| 10 | STOPFEN 1/4      | TOMA EXTERIOR T SOLO S.E.<br>Plug for T return line (single acting applications) |

|    |                     |                                                                                                                                                      |
|----|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11 | ABRAZADERAMCDP140   | ABRAZADERA SOLO DEPÓSITO PLÁSTICO<br>Clamp for plastic tank                                                                                          |
| 12 | MC059 H-TD          | TÓRICA BLODIC-TD-DEPÓSITO / Seal tank - manifold                                                                                                     |
| 13 | TORNILLOALLENM10X20 | TORNILLO PATAS / Bolt for manifold support                                                                                                           |
| 14 | ARANDELAM10DIN125   | ARANDELA TORINILLO PATAS / Washer for support bolts                                                                                                  |
| 15 | PC 1203             | RACOR UNIÓN KITPOL (ASPIRACIÓN MONTAJE VERTICAL)<br>Fitting for suction by plastic pipe                                                              |
| 16 | KITPOL400MM         | TUBO ASPIRACIÓN MONTAJE VERTICAL (TUBO 100MM<br>PARA ITEM N°7 SOLO D.E.-CORTAR-)<br>Plastic pipe for suction line vertical configuration (to be cut) |
| 17 | MC064 H-TD          | CAMPANA UNIÓN MOTOR-BLOQUE F080<br>Bellhousing size F080                                                                                             |
| 18 | MC071 H-TD          | ACOPLAMIENTO EJE MOTOR B14 C080<br>Coupling motor side                                                                                               |
| 19 | TORNILLOALLEN1/4UNC | UNIÓN CAMPANA-BLOQUE<br>Bolt for bellhousing-manifold                                                                                                |
| 20 | TORNILLOM6X20HEX    | UNIÓN MOTOR-CAMPANA<br>Bolt for bellhousing-motor                                                                                                    |
| 21 | ARANDELAM6DIN125    | PARA ITEM N° 20 / Washer for bolt #20                                                                                                                |



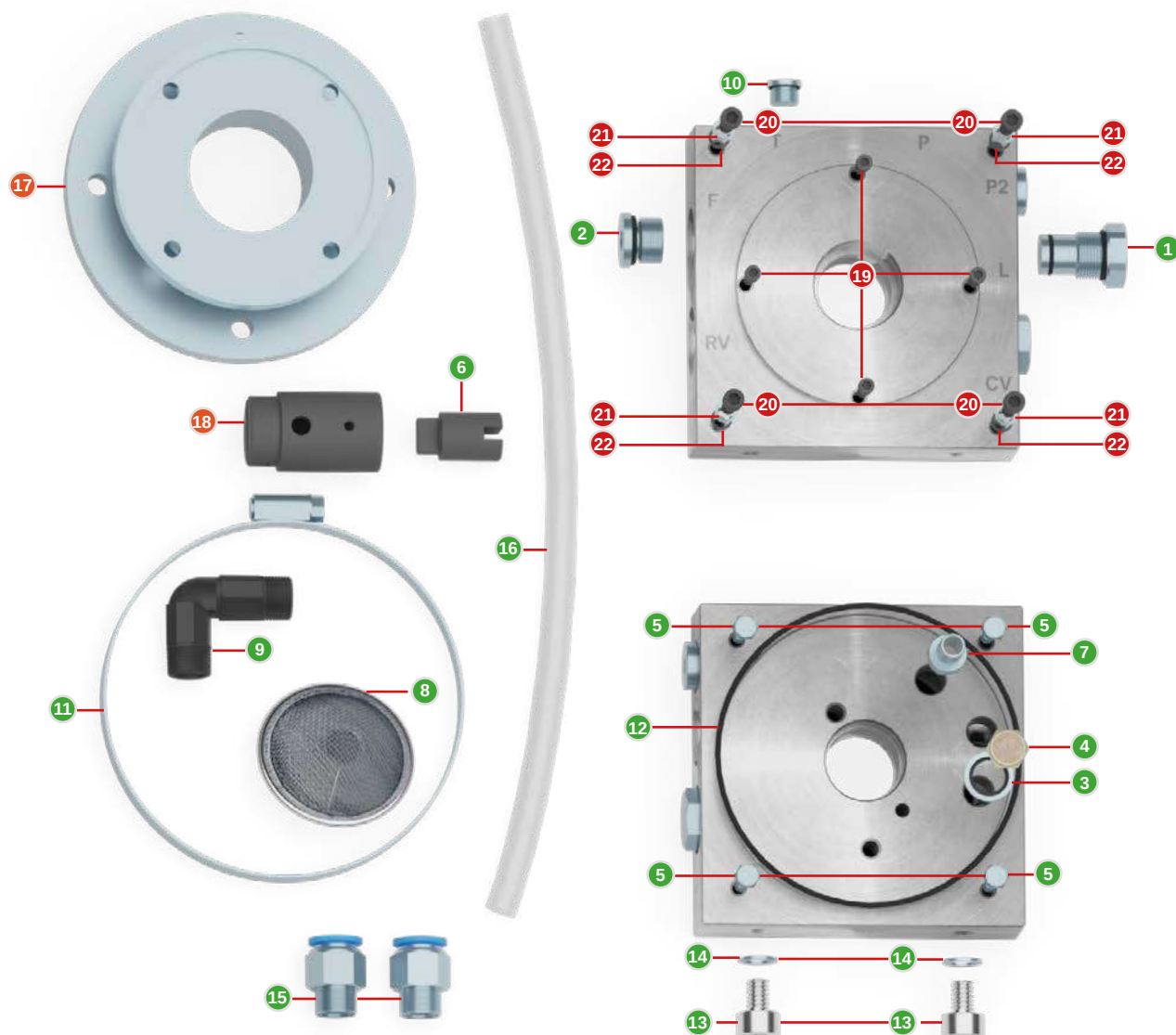
# KIT de MONTAJE PARA MINICENTRAL 2CV

TrAle®

SPARE PARTS KIT FOR DC MINIPOWERPACK 1500W

Ref.: KITHPU1500

|    |                          |                                                                                                                                                       |
|----|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | MC067 H-TD               | TAPÓN ANULACION VALVULA DESCENSO<br>Plug for 2/2 cavity                                                                                               |
| 2  | MC048 H-TD               | TAPÓN ANULACIÓN REG. CAUDAL COMP.<br>Plug for flow regulator cavity                                                                                   |
| 3  | T21004                   | METALBUNA PARA ITEM. N° 4 / Bonded seal                                                                                                               |
| 4  | SFE 1/4                  | SILENCIADOR LIMITADORA<br>Brass breather for relief valve oil exit                                                                                    |
| 5  | TORNILLO M6X10DEP        | UNIÓN DEPOSITO-BLOQUE<br>Bolt for tank-manifold                                                                                                       |
| 6  | MC046 H                  | ADAPTADOR MOTOR-BOMBA / Coupling                                                                                                                      |
| 7  | 3040 10 1/4              | ESPIGA PARA TOMA INTERNA RETORNO<br>Addaptor for return line                                                                                          |
| 8  | MC006 H-TD               | FILTRO BOMBA / Suction filter                                                                                                                         |
| 9  | SP5 H                    | CODO ASPIRACIÓN SOLO MONTAJE HORIZONTAL<br>90° elbow for horizontal mounting                                                                          |
| 10 | STOPFEN 1/4              | TOMA EXTERIOR T SOLO S.E.<br>Plug for T return line (single acting applications)                                                                      |
| 11 | ABRAZADERA MCDP140       | ABRAZADERA SOLO DEPÓSITO PLÁSTICO<br>Clamp for plastic tank                                                                                           |
| 12 | MC059 H-TD               | TÓRICA BLODIC-TD-DEPÓSITO / Seal tank - manifold                                                                                                      |
| 13 | TORNILLO ALLEN M10X20    | TORNILLO PATAS / Bolt for manifold support                                                                                                            |
| 14 | ARANDELA M10DIN125       | ARANDELA TORINILLO PATAS / Washer for support bolts                                                                                                   |
| 15 | PC 1203                  | RACOR UNIÓN KITPOL (ASPIRACIÓN MONTAJE VERTICAL)<br>Fitting for suction by plastic pipe                                                               |
| 16 | KITPOL400MM              | TUBO ASPIRACIÓN MONTAJE VERTICAL (TUBO 100MM<br>PARA ITEM N° 7 SOLO D.E.-CORTAR-)<br>Plastic pipe for suction line vertical configuration (to be cut) |
| 17 | MC065 H-TD               | CAMPANA UNIÓN MOTOR-BLOQUE F090<br>Bellhousing size F090                                                                                              |
| 18 | MC072 H-TD               | ACOPLAMIENTO EJE MOTOR B14 C090<br>Coupling motor side                                                                                                |
| 19 | TORNILLO ALLEN 1/4 UNC20 | UNIÓN CAMPANA-BLOQUE<br>Bolt for bellhousing-manifold                                                                                                 |
| 20 | TORNILLO ALLEN M8X25     | UNIÓN CAMPANA-MOTOR<br>Bolt for bellhousing-motor                                                                                                     |
| 21 | ARANDELA M8DIN125        | PARA ITEM N° 20 / Washer for bolt #20                                                                                                                 |
| 22 | ARANDELA M8              | PARA ITEM N° 20 / Washer for bolt #20                                                                                                                 |





# KIT de MONTAJE PARA MINICENTRAL 3 - 5,5CV

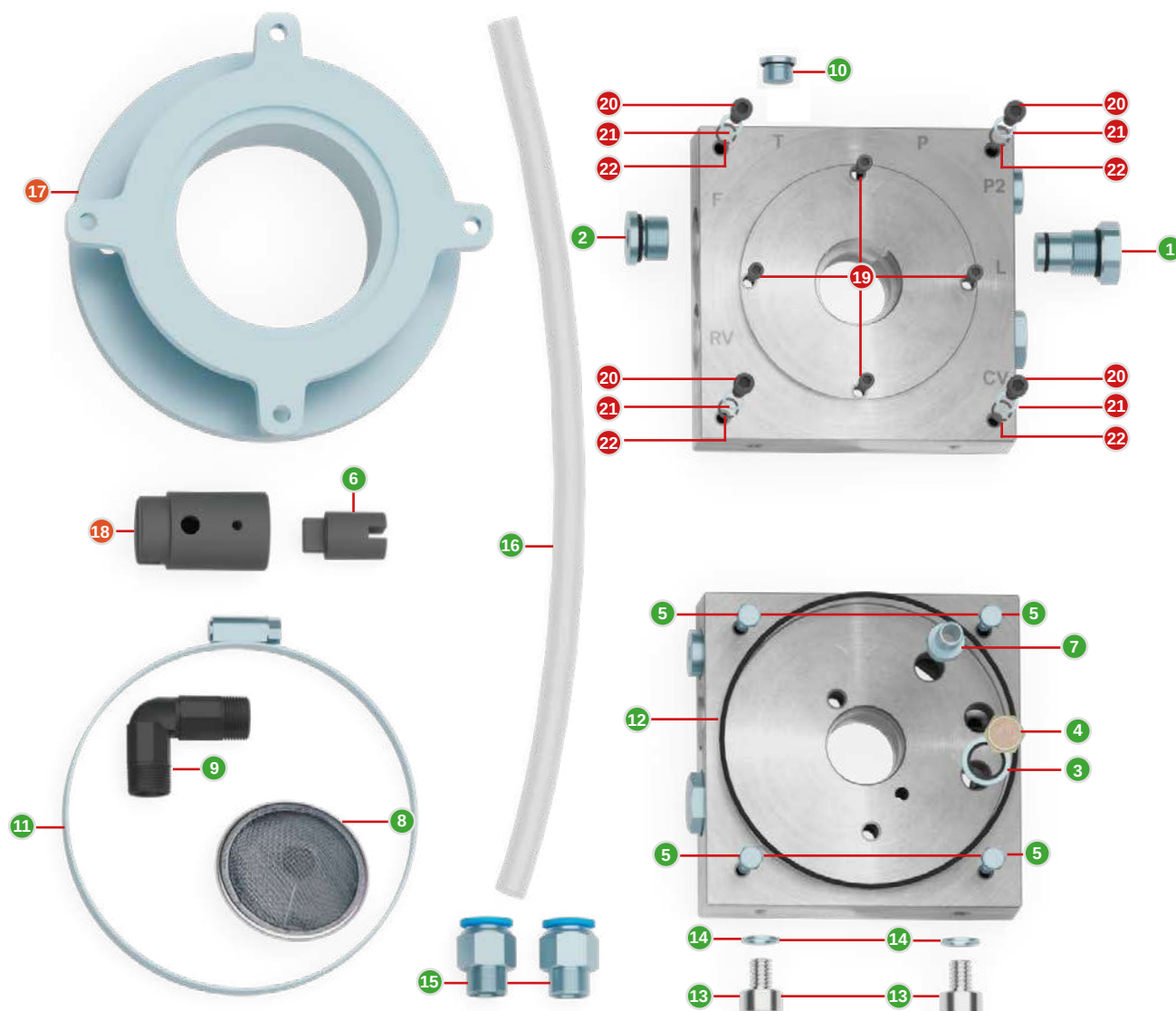
TrΔle®

SPARE PARTS KIT FOR DC MINIPOWERPACK 2200 - 4000W

Ref.: KITHPU2200

|    |                   |                                                                                  |
|----|-------------------|----------------------------------------------------------------------------------|
| 1  | MC067 H-TD        | TAPÓN ANULACION VALVULA DESCENSO<br>Plug for 2/2 cavity                          |
| 2  | MC048 H-TD        | TAPÓN ANULACIÓN REG. CAUDAL COMP.<br>Plug for flow regulator cavity              |
| 3  | T21004            | METALBUNA PARA ITEM. N° 4 / Bonded seal                                          |
| 4  | SFE 1/4           | SILENCIADOR LIMITADORA<br>Brass breather for relief valve oil exit               |
| 5  | TORNILLOM6X10DEP  | UNIÓN DEPOSITO-BLOQUE<br>Bolt for tank-manifold                                  |
| 6  | MC046 H           | ADAPTADOR MOTOR-BOMBA / Coupling                                                 |
| 7  | 3040 10 1/4       | ESPIGA PARA TOMA INTERNA RETORNO<br>Addaptor for return line                     |
| 8  | MC006 H-TD        | FILTRO BOMBA / Suction filter                                                    |
| 9  | SP5 H             | CODO ASPIRACIÓN SOLO MONTAJE HORIZONTAL<br>90° elbow for horizontal mounting     |
| 10 | STOPFEN 1/4       | TOMA EXTERIOR T SOLO S.E.<br>Plug for T return line (single acting applications) |
| 11 | ABRAZADERAMCDP140 | ABRAZADERA SOLO DEPÓSITO PLÁSTICO<br>Clamp for plastic tank                      |

|    |                     |                                                                                                                                                       |
|----|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12 | MC059 H-TD          | TÓRICA BLODIC-TD-DEPÓSITO / Seal tank - manifold                                                                                                      |
| 13 | TORNILLOALLENM10X20 | TORNILLO PATAS / Bolt for manifold support                                                                                                            |
| 14 | ARANDELAM10DIN125   | ARANDELA TORINILLO PATAS / Washer for support bolts                                                                                                   |
| 15 | PC 1203             | RACOR UNIÓN KITPOL (ASPIRACIÓN MONTAJE VERTICAL)<br>Fitting for suction by plastic pipe                                                               |
| 16 | KITPOL400MM         | TUBO ASPIRACIÓN MONTAJE VERTICAL (TUBO 100MM<br>PARA ITEM N° 7 SOLO D.E.-CORTAR-)<br>Plastic pipe for suction line vertical configuration (to be cut) |
| 17 | MC066 H-TD          | CAMPANA UNIÓN MOTOR-BLOQUE F112<br>Bellhousing size F090                                                                                              |
| 18 | MC073 H-TD          | ACOPLAMIENTO EJE MOTOR B14 C112<br>Coupling motor side                                                                                                |
| 19 | TORNILLOALLENM6X20  | UNIÓN CAMPANA-BLOQUE<br>Bolt for bellhousing-manifold                                                                                                 |
| 20 | TORNILLOALLENM8X25  | UNIÓN CAMPANA-MOTOR<br>Bolt for bellhousing-motor                                                                                                     |
| 21 | ARANDELAM8DIN125    | PARA ITEM N° 20 / Washer for bolt #20                                                                                                                 |
| 22 | ARANDELAM8          | PARA ITEM N° 20 / Washer for bolt #20                                                                                                                 |



**DISTRIBUIDORES  
TRΔLE® GREENLINE**

**120**

TrΔle® GreenLine Directional control valves  
Distributeurs hydrauliques TrΔle® GreenLine  
Valvole di controllo direzionali idrauliche TrΔle® GreenLine

**VÁLVULAS HIDRÁULICAS  
TRΔLE® GREENLINE**

**123**

TrΔle® GreenLine Hydraulic valves  
Valves hydrauliques TrΔle® GreenLine  
Valvole idrauliche TrΔle® GreenLine

**ACCESORIOS  
TRΔLE® GREENLINE**

**126**

TrΔle® GreenLine Spare parts  
Accessoires TrΔle® GreenLine  
Accessori TrΔle® GreenLine





# 06

## **COMPONENTES HIDRÁULICOS**

Hydraulic Components  
Composants Hydrauliques  
Componenti Idraulici

## DISTRIBUIDORES TRΔLE® GREENLINE

TrΔle® GreenLine Directional control valves  
Distributeurs hydrauliques TrΔle® GreenLine  
Valvole di controllo direzionali idrauliche TrΔle® GreenLine



### Distribuidor 3/8" BSP, 40L, acc. palanca y retorno por muelle a posición central. Limit.

Control valve 3/8 BSP, 40L/MIN, handle operated and return to center by spring. Relief valve  
Distributeur 3/8 BSP, 40L/min, commande manuelle, retour au centre par ressort. Limit. press.  
Distributore 3/8 BSP, 40 lt./min., azion. a leva e ritorno a molla. Valv. Di max

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|-----------------------------------------|-------------------------------------------|-----------------------|---|
| YFM40/1 3/8 1P DE     | 3/8" BSP        | 40                                      | 250                                       | 1                     | - |
| YFM40/2 3/8 2P DD     | 3/8" BSP        | 40                                      | 250                                       | 2                     | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento



### Distribuidor 3/8" BSP, 50L, acc. palanca y retorno por muelle a posición central. Limit.

Control valve 3/8 BSP, 50L/MIN, handle operated and return to center by spring. Relief valve  
Distributeur 3/8 BSP, 50L/min, commande manuelle, retour au centre par ressort. Limit. press.  
Distributore 3/8 BSP, 50 lt./min., azion. a leva e ritorno a molla. Valv. Di max

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|-----------------------------------------|-------------------------------------------|-----------------------|---|
| YFM50/1 3/8 1P DE     | 3/8" BSP        | 50                                      | 250                                       | 1                     | - |
| YFM50/1 3/8 1P SE     | 3/8" BSP        | 50                                      | 250                                       | 1                     | - |
| YFM50/2 3/8 2P DD     | 3/8" BSP        | 50                                      | 250                                       | 2                     | - |
| YFM50/3 3/8 3P DDD    | 3/8" BSP        | 50                                      | 250                                       | 3                     | - |
| YFM50/4 3/8 4P DDDD   | 3/8" BSP        | 50                                      | 250                                       | 4                     | - |
| YFM50/5 3/8 5P DDDDD  | 3/8" BSP        | 50                                      | 250                                       | 5                     | - |
| YFM50/6 3/8 6P DDDDDD | 3/8" BSP        | 50                                      | 250                                       | 6                     | - |

NEW



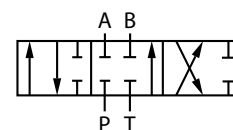
### Distribuidor 1/2" BSP, 80L, acc. palanca y retorno por muelle a posición central. Limit.

Control valve 1/2 BSP, 80L/min, handle operated and return to center by spring. Relief valve  
Distributeur 1/2 BSP, 80L/min, commande manuelle, retour au centre par ressort. Limit. press.  
Distributore 1/2 BSP, 80 lt./min., azion. a leva e ritorno a molla. Valv. Di max

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|-----------------------------------------|-------------------------------------------|-----------------------|---|
| YFM80/1 1/2 1P DE     | 1/2" BSP        | 80                                      | 250                                       | 1                     | - |
| YFM80/1 1/2 1P SE     | 1/2" BSP        | 80                                      | 250                                       | 1                     | - |
| YFM80/2 1/2 2P DD     | 1/2" BSP        | 80                                      | 250                                       | 2                     | - |
| YFM80/2 1/2 2P DS     | 1/2" BSP        | 80                                      | 250                                       | 2                     | - |
| YFM80/3 1/2 3P DDD    | 1/2" BSP        | 80                                      | 250                                       | 3                     | - |
| YFM80/4 1/2 4P DDDD   | 1/2" BSP        | 80                                      | 250                                       | 4                     | - |
| YFM80/5 1/2 5P DDDDD  | 1/2" BSP        | 80                                      | 250                                       | 5                     | - |
| YFM80/6 1/2 6P DDDDDD | 1/2" BSP        | 80                                      | 250                                       | 6                     | - |

### Corredera doble efecto YFM40

YFM40 Closed center spool  
Tiroir centre fermé YFM40  
Cursore doppio effetto YFM40

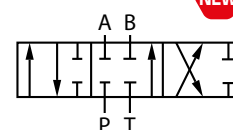


| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM40CORDE            | YFM40                         | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

### Corredera doble efecto YFM50

YFM50 Closed center spool  
Tiroir centre fermé YFM50  
Cursore doppio effetto YFM50



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM50CORDE            | YFM 50                        | - |

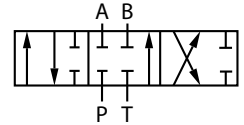
NEW

# DISTRIBUIDORES TRΔLE® GREENLINE

TrΔle® GreenLine Directional control valves  
Distributeurs hydrauliques TrΔle® GreenLine  
Valvole di controllo direzionali idrauliche TrΔle® GreenLine

## Corredera doble efecto YFM80

YFM80 Closed center spool  
Tiroir centre fermé YFM80  
Cursore doppio effetto YFM80

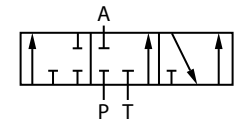


| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>YFM80CORDE</b>     | YFM80                         | - |
| <b>YFM80CORDE-R</b>   | YFM80                         | - |

YFM80... solo válido para distribuidores con una sola palanca / YFM80... Valid only for control valve with a single lever / YFM80... valide uniquement pour les distributeurs avec un levier / YFM80... valida solo per distributori con una sola leva

## Corredera simple efecto YFM

YFM Single acting spool  
Tiroir simple effet YFM  
Cursore semplice effetto YFM



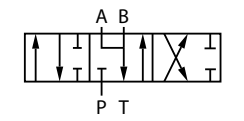
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>YFM40CORSE*</b>    | YFM40                         | - |
| <b>YFM50CORSE</b>     | YFM50                         | - |
| <b>YFM80CORSE</b>     | YFM80                         | - |
| <b>YFM80CORSE-R</b>   | YFM80                         | - |

\* Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

\* YFM80CORSE-R solo para distribuidores con una sola palanca / YFM80CORSE-R Valid only for control valve with a single lever / YFM80CORSE-R valide uniquement pour les distributeurs avec un levier / YFM80CORSE-R valida solo per distributori con una sola leva

## Corredera motor YFM

YFM Open center spool  
Tiroir centre ouvert YFM  
Cursore motore YFM



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR                   | € |
|-----------------------|-------------------------------------------------|---|
| <b>YFM50CORM</b>      | YFM50                                           | - |
| <b>YFM80CORM</b>      | YFM80                                           | - |
| <b>YFM80CORM-R</b>    | YFM80 2 ó mas palancas / YFM80 2 or more levers | - |

YFM80CORM-R solo válida para distribuidores con una sola palanca / YFM80CORM-R valid only for control valve with a single lever / YFM80CORM-R valide uniquement pour les distributeurs avec un levier / YFM80CORM-R valida solo per distributori con una sola leva

## Racores de continuación de presión

carry over fitting  
Raccord centre à suivre  
Raccordo di continuazione pressione (carry-over)



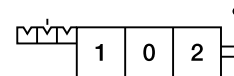
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>YFM00004*</b>      | YFM40/YFME50/YFM50            | - |
| <b>YFM00005</b>       | YFM80                         | - |

# TRΔLE® TRΔLE® GREENLINE DIRECTIONAL CONTROL VALVES

Distribuidores TrΔle® TrΔle® GreenLine  
TrΔle® TrΔle® GreenLine Hydraulische Wegeventile  
Distributeurs hydrauliques TrΔle® TrΔle® GreenLine

## 3 positions detended spool control

Accionamiento 3 posiciones enclavadas  
Schieber mit 3 Schaltstellungen  
Actionnement 3 positions cranté



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFM00003*             | YFM40/YFM50                   | - |

## Distribuidor eléctrico - 3/8" BSP, 50 l/m

Control valve solenoid driven 3/8 BSP, 50 l/min  
Distributeur à commande électrique 3/8 BSP, 50 l/min  
Distributore elettrico 3/8 BSP, 50 l/min

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|-----------------------------------------|-------------------------------------------|-----------------------|---|
| YFME50/1 3/8 1P DE    | 3/8" BSP        | 50                                      | 250                                       | 1                     | - |
| YFME50/2 3/8 2P DD    | 3/8" BSP        | 50                                      | 250                                       | 2                     | - |
| YFME50/3 3/8 3P DDD   | 3/8" BSP        | 50                                      | 250                                       | 3                     | - |

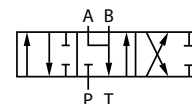
## Bobinas para distribuidores YFME50

Solenoid for YFME50 control valves  
Bobines pour distributeurs YFME50  
Bobine per distributori YFME50

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | € |
|-----------------------|----------------------------|---------------------------|---|
| BOBYFME5012VDC        | 12VDC                      | 37                        | - |
| BOBYFME5024VDC        | 24VDC                      | 37                        | - |

## Correderas motor YFME50

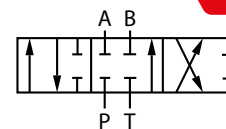
Open center spool YFME50  
Tiroir centre ouvert YFME50  
Cursore motore YFME50



| Part n°<br>Referencia | € |
|-----------------------|---|
| YFME50CORM            | - |

## Corredera centros cerrados YFME50

YFME50 Closed center spool  
Tiroir centre fermé YFME50  
YFME50 Bobina a centro chiuso



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| YFME50CORDE           | YFME50                        | - |

# VÁLVULAS HIDRÁULICAS TRΔLE® GREENLINE

TrΔle® GreenLine Hydraulic valves  
Valves hydrauliques TrΔle® GreenLine  
Valvole idrauliche TrΔle® GreenLine

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

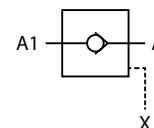
MINI POWER PACKS

HYDRAULIC COMPONENTS  
TrΔle® GREENLINE



## Válvula antirretorno simple pilotado

Single pilot operated check valve  
Clapet antiretour simple piloté (en ligne)  
Valvola di ritegno pilotata semplice, montaggio in linea

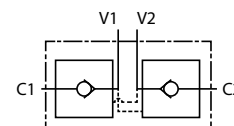


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| ASP1/4                | 1/4" BSP        | 20                                       | 315                                       | - |
| ASP3/8                | 3/8" BSP        | 35                                       | 315                                       | - |
| ASP1/2                | 1/2" BSP        | 50                                       | 315                                       | - |



## Válvula antirretorno doble bloque pilotado (en Te)

Double pilot operated check valve in block (in T)  
Block avec antiretour double piloté (en Tê)  
Valvola di ritegno pilotata doppia in blocco ( in T)

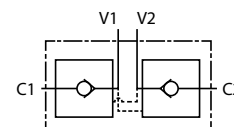


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| ADP1/4                | 1/4" BSP        | 15                                       | 315                                       | - |
| ADP3/8                | 3/8" BSP        | 35                                       | 315                                       | - |
| ADP1/2                | 1/2" BSP        | 50                                       | 315                                       | - |



## Válvula antirretorno doble bloque pilotado (en Te), con rãcores

Double pilot operated check valve in block (in T), with fittings  
Block avec antiretour double piloté (en Tê), avec raccords  
Valvola di ritegno pilotata doppia in blocco ( in T) con racc. DIN 2353

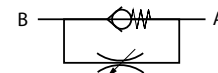


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | PIPE<br>TUBO | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|--------------|---|
| ADPT3/8               | 3/8" BSP        | 30                                       | 315                                       | 12           | - |



## Regulador de caudal unidireccional

Unidirectional flow restrictor valve  
Étrangleur de débit unidirectionel  
Valvola regolatrice di flusso unidirezionale



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| RCU04                 | 1/4" BSP        | 40                                       | 315                                       | - |
| RCU06                 | 3/8" BSP        | 60                                       | 315                                       | - |
| RCU08                 | 1/2" BSP        | 85                                       | 315                                       | - |
| RCU12                 | 3/4" BSP        | 185                                      | 315                                       | - |
| RCU16                 | 1" BSP          | 200                                      | 315                                       | - |



## Regulador de caudal bidireccional

Bidirectional flow restrictor valve  
Étrangleur de débit bidirectionel  
Valvola regolatrice di flusso bidirezionale



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| RCB04                 | 1/4" BSP        | 40                                       | 315                                       | - |
| RCB06                 | 3/8" BSP        | 60                                       | 315                                       | - |
| RCB08                 | 1/2" BSP        | 85                                       | 315                                       | - |
| RCB12                 | 3/4" BSP        | 185                                      | 315                                       | - |
| RCB16                 | 1" BSP          | 200                                      | 315                                       | - |

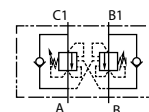
# VÁLVULAS HIDRÁULICAS TRΔLE® GREENLINE

TrΔle® GreenLine Hydraulic valves  
Valves hydrauliques TrΔle® GreenLine  
Valvole idrauliche TrΔle® GreenLine

## Overcenter balanceada D.E. (en línea)



Double acting balanced overcenter (line)  
Valve d'équilibrage balancée double effet (en ligne)  
Valvola Overcenter D.E. in linea

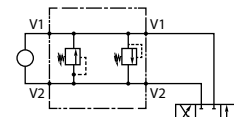


| Part n°<br>Referencia | THREAD<br>ROSCA | REGULATION RATE (BAR)<br>CAMPO DE REGULACION (BAR) | MAX. PRESSURE (bar)<br>PRESIÓN MAX (bar) | MAX. FLOW (l/min)<br>CAUDAL MÁXIMO (l/min) | € |
|-----------------------|-----------------|----------------------------------------------------|------------------------------------------|--------------------------------------------|---|
| OBDL3/820             | 3/8" BSP        | 60-210                                             | 315                                      | 50                                         | - |
| OBDL3/835             | 3/8" BSP        | 100-315                                            | 315                                      | 50                                         | - |

## Limit. presión doble línea/regulación tornillo acero



Dual cross direct acting steel relief valve screw adjust  
Limiteur pression double en ligne/régulation par vis-acier  
Valvola limitatrice di pressione in linea /regolaz. a vite -acciaio-



| Part n°<br>Referencia | THREAD<br>ROSCA | FLOW MAX (l/min)<br>CAUDAL MÁXIMO (l/min) | REGULATION RATE (BAR)<br>CAMPO DE REGULACION (BAR) | MAX. PRESSURE (bar)<br>PRESIÓN MAX (bar) | € |
|-----------------------|-----------------|-------------------------------------------|----------------------------------------------------|------------------------------------------|---|
| LDL3/810              | 3/8" BSP        | 45                                        | 0-100                                              | 315                                      | - |
| LDL3/820              | 3/8" BSP        | 45                                        | 70-210                                             | 315                                      | - |
| LDL3/835              | 3/8" BSP        | 45                                        | 100-315                                            | 315                                      | - |
| LDL1/205              | 1/2" BSP        | 60                                        | 0-50                                               | 315                                      | - |
| LDL1/210              | 1/2" BSP        | 60                                        | 0-100                                              | 315                                      | - |
| LDL1/220              | 1/2" BSP        | 60                                        | 70-210                                             | 315                                      | - |
| LDL1/235              | 1/2" BSP        | 60                                        | 100-315                                            | 315                                      | - |

## Estrangulador bidireccional (regulable)



Barrel flow control valve – bidirectionnel  
Étrangleur réglable bidirectionnel  
Valvola regolatrice di portata a barilotto - bidirezionale



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| ECB04                 | 1/4" BSP        | 12                                       | 350                                       | - |
| ECB06                 | 3/8" BSP        | 30                                       | 350                                       | - |
| ECB08                 | 1/2" BSP        | 45                                       | 310                                       | - |

## Estrangulador unidireccional (regulable)



Barrel flow control valve – unidirectional  
Étrangleur réglable unidirectionnel  
Valvola regolatrice di portata a barilotto - unidirezionale



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| ECU04                 | 1/4" BSP        | 12                                       | 350                                       | - |
| ECU06                 | 3/8" BSP        | 30                                       | 350                                       | - |
| ECU08                 | 1/2" BSP        | 45                                       | 310                                       | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web



## ACCESORIOS TRΔLE® GREENLINE

TrΔle® GreenLine Spare parts

Accessoires TrΔle® GreenLine

Accessori TrΔle® GreenLine

### Intercambiadores de calor Aceite / Aire con termostato

with thermostwitch

Échangeurs de chaleur huile/air avec thermostat

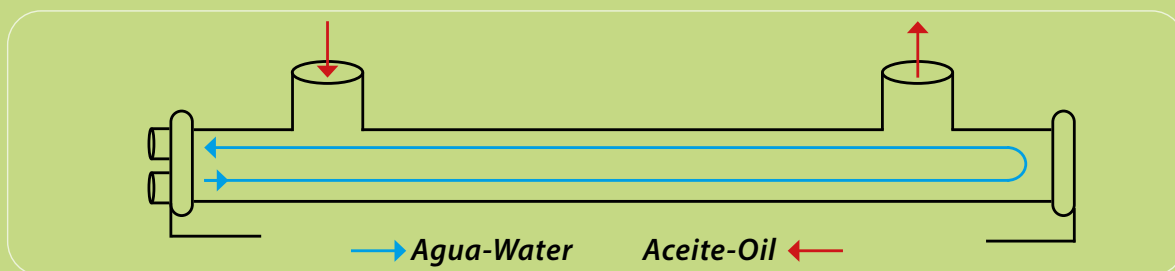
Scambiatore di calore Aria-Olio con termostato



| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | CAPACITY (l)<br>CAPACIDAD (l) | PROTECTION (IP)<br>PROTECCIÓN (IP) | € |
|-----------------------|-----------------|----------------------------|---------------------------|------------------------------------------|------------------------------------------|-------------------------------|------------------------------------|---|
| INTER21012V           | 1" BSP          | 12 VDC                     | 120                       | 30                                       | 100                                      | 1,7                           | 68                                 | - |
| INTER21024V           | 1" BSP          | 24 VDC                     | 120                       | 30                                       | 100                                      | 1,7                           | 68                                 | - |
| INTER25012V           | 1" BSP          | 12 VDC                     | 168                       | 30                                       | 140                                      | 1,7                           | 68                                 | - |
| INTER25024V           | 1" BSP          | 24 VDC                     | 168                       | 30                                       | 140                                      | 2                             | 68                                 | - |
| INTER39024V           | 1" BSP          | 24 VDC                     | 204                       | 50                                       | 150                                      | 5                             | 68                                 | - |

## INTERCAMBIADORES DE CALOR · HEAT EXCHANGERS

Ver Página · See page  
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Standard



Marino · Marine

## ACCESORIOS TRΔLE® GREENLINE

TrΔle® GreenLine Spare parts

Accessoires TrΔle® GreenLine

Accessori TrΔle® GreenLine

### Termostatos



Thermoswitch

Thermostats

Termostati

| Part n°<br>Referencia | THREAD<br>ROSCA | TEMPERATURE (°C)<br>Rango de temperatura (°C) | € |
|-----------------------|-----------------|-----------------------------------------------|---|
| TERMOSTATOINTER       | 1/2" BSP        | 55-60                                         | - |

### Interruptores



Switches

Commutateurs

Interruttori

| Part n°<br>Referencia | Protection (IP)<br>Protección (IP) | VOLTAGE (V)<br>VOLTAJE (V) | € |
|-----------------------|------------------------------------|----------------------------|---|
| INTERRUPTORINTER12V   | 68                                 | 12VDC                      | - |
| INTERRUPTORINTER24V   | 68                                 | 24VDC                      | - |

### Panel



Heat exchanger panel

Panneau

Pannello

| Part n°<br>Referencia | Details<br>Detalles                    | Size<br>Tamaño | € |
|-----------------------|----------------------------------------|----------------|---|
| PANELINTER210         | PANEL INTERCAMBIADOR / EXCHANGER PANEL | 210            | - |
| PANELINTER250         | PANEL INTERCAMBIADOR / EXCHANGER PANEL | 250            | - |
| PANELINTER390         | PANEL INTERCAMBIADOR / EXCHANGER PANEL | 390            | - |

### Motor y Carcasa



Fan and casing

Ventilateur et cadre

Motore e carcassa

| Part n°<br>Referencia | DETAILS<br>DETALLES                            | VOLTAGE (V)<br>VOLTAJE (V) | € |
|-----------------------|------------------------------------------------|----------------------------|---|
| MOTORVENTINTER39012   | MOTOR INTER390 / INTER390 MOTOR                | 12                         | - |
| MOTORVENTINTER21012   | MOTOR INTER210 / INTER210 MOTOR                | 12                         | - |
| MOTORVENTINTER25012   | MOTOR INTER250 / INTER250 MOTOR                | 12                         | - |
| MOTORVENTINTER21024   | MOTOR INTER210 / INTER210 MOTOR                | 24                         | - |
| MOTORVENTINTER25024   | MOTOR INTER250 / INTER250 MOTOR                | 24                         | - |
| MOTORVENTINTER39024   | MOTOR INTER390 / INTER390 MOTOR                | 24                         | - |
| CARCASAINTER210       | CARCASA INTERCAMBIADOR / HEAT EXCHANGER CASING | -                          | - |
| CARCASAINTER250       | CARCASA INTERCAMBIADOR / HEAT EXCHANGER CASING | -                          | - |
| CARCASAINTER390       | CARCASA INTERCAMBIADOR / HEAT EXCHANGER CASING | -                          | - |

## Componentes Hidráulicos - OTRAS MARCAS

Hydraulic Components - OTHER BRANDS

*Composants Hydrauliques - AUTRES MARQUES*

Componenti Idrauliche - ALTRE MARCHE



## **IMPULSORES**

Pumps  
Pompes  
Pompe



## **ELEMENTOS DE CONTROL**

Control components  
Éléments de contrôle  
Elementi di controllo



## **ACTUADORES**

Motion devices  
Actionneurs  
Attuatori



## **ACCESORIOS**

Accessories  
Accessoires  
Accessori



## **MINICENTRALES HIDRÁULICAS**

Mini power packs  
Mini-centrales hydrauliques  
Minicentrali idraulici



## **BOMBAS MANUALES** 132

Hydraulic hand pumps  
Pompes à main  
Pompe manuali

## **BOMBAS DE PALETAS** 134

Vane pumps  
Pompes à palettes  
Pompe a palette

## **ACCESORIOS BOMBAS** 138

Accessories pumps  
Accessoires pour pompes  
Accessori pompe



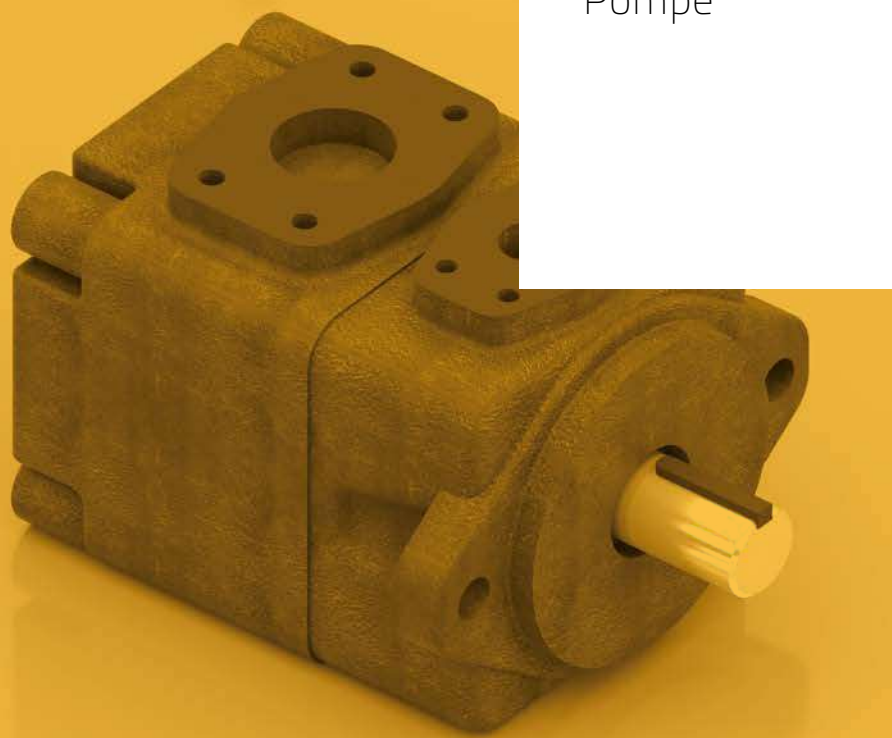
# 01

## **IMPULSORES**

Pumps

Pompes

Pompe





## BOMBAS MANUALES

Hydraulic hand pumps

Pompes à main

Pompe manuali

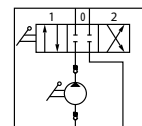


### Bomba manual D.E. con depósito 5 lts y palanca

Hydraulic hand pump double Act., 5 l tank and lever

Pompe man.D.E., réservoir 5L et levier

Pompa a mano D.E con serbatoio 5 lts e leva



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | cm³ | € |
|-----------------------|-----------------|-------------------------------------------|-----|---|
| HPTD2505AL            | 3/8" BSP        | 280                                       | 25  | - |

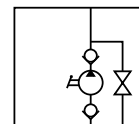


### Bomba manual S.E. para depósito separado

S.A. hand pump without tank

Pompes manuelles S.E. pour réservoir séparé

Pompa a mano S.E senza serbatoio



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | cm³ | € |
|-----------------------|-----------------|-------------------------------------------|-----|---|
| HP50                  | 1/2" BSP        | 250                                       | 33  | - |
| HP70                  | 1/2" BSP        | 200                                       | 48  | - |

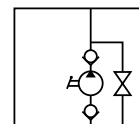


### Bomba manual S.E. (montaje sobre depósito)

S.A. hand pump (fitting to tank)

Pompes manuelles S.E. (montage sur réservoir)

Pompa a mano S.E (montaggio sul serbatoio)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | cm³ | € |
|-----------------------|-----------------|-------------------------------------------|-----|---|
| HPTSE 6               | 3/8" BSP        | 250                                       | 6   | - |
| HPTSE 11              | 3/8" BSP        | 250                                       | 11  | - |
| HPTSE 22              | 3/8" BSP        | 250                                       | 22  | - |

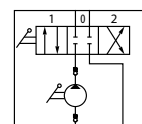


### Bomba manual D.E. (montaje sobre depósito)

D.A. hand pump (fitting to tank)

Pompes manuelles D.E. (montage sur réservoir)

Pompa a mano D.E (montaggio sul serbatoio)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | cm³ | € |
|-----------------------|-----------------|-------------------------------------------|-----|---|
| HPTD12                | 1/4" BSP        | 320                                       | 12  | - |
| HPTD25                | 1/4" BSP        | 300                                       | 25  | - |
| HPTD45                | 1/4" BSP        | 250                                       | 45  | - |

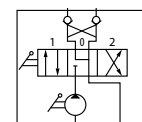


### Bomba manual D.E. c/antirretornos

D.A. hand pump with double check valve

Pompe manuelle D.E. avec antiretour

Pompa a mano D.E con ritegno



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | cm³ | € |
|-----------------------|-----------------|-------------------------------------------|-----|---|
| HPTDVB 12             | 3/8" BSP        | 250                                       | 12  | - |
| HPTDVB 25             | 3/8" BSP        | 250                                       | 25  | - |
| HPTDVB 45             | 3/8" BSP        | 250                                       | 45  | - |

## BOMBAS MANUALES

Hydraulic hand pumps  
Pompes à main  
Pompe manuali

### Palancas para bombas manuales



Hand pump lever  
Leviers pour pompes manuelles  
Leve per pompe a mano

| Part n°<br>Referencia | Ø D (mm) | L (mm) | € |
|-----------------------|----------|--------|---|
| LV27X600              | 27       | 600    | - |

### Depósitos aluminio con nivel



Aluminium tank with level  
Réservoir en aluminium avec niveau  
Serbatoi per pompe a mano in alluminio con livello

| Part n°<br>Referencia | CAPACITY (l)<br>CAPACIDAD (l) | € |
|-----------------------|-------------------------------|---|
| SR02ALO               | 2                             | - |
| SR03ALO               | 3                             | - |
| SR05ALO               | 5                             | - |

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

## DEPOSITOS DE HIERRO PARA BOMBAS MANUALES IRON TANKS FOR HYDRAULIC HAND PUMPS



PÁGINA PAGE 5

## BOMBAS DE PALETAS

Vane pumps  
Pompes à palettes  
Pompe a palette



### Bombas simples tipo BQ01G

Single pumps BQ01G type  
Pompes simples type BQ01G  
Pompe singole a palette tipo BQ01G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | MAXIMUM PRESSURE (Bar)<br>PRESION MAXIMA (bar) | € |
|-----------------------|-------------------------------------------------------------|------------------------------------------------|---|
| BQ01G21C01            | 21                                                          | 210                                            | - |
| BQ01G32C01            | 32                                                          | 210                                            | - |
| BQ01G35C01            | 35                                                          | 210                                            | - |
| BQ01G42C01            | 42                                                          | 210                                            | - |
| BQ01G46C01            | 46                                                          | 160                                            | - |
| BQ01G55C01            | 55                                                          | 140                                            | - |



### Bombas simples tipo BQ02G

Single pumps BQ02G type  
Pompes simples type BQ02G  
Pompe singole a palette tipo BQ02G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | MAXIMUM PRESSURE (Bar)<br>PRESION MAX. (Bar) | € |
|-----------------------|-------------------------------------------------------------|----------------------------------------------|---|
| BQ02G47C01            | 47                                                          | 210                                          | - |
| BQ02G53C01            | 53                                                          | 210                                          | - |
| BQ02G64C01            | 64                                                          | 210                                          | - |
| BQ02G71C01            | 71                                                          | 210                                          | - |
| BQ02G79C01            | 79                                                          | 210                                          | - |



### Bombas simples tipo BQ03G

Single pumps BQ03G type  
Pompes simples type BQ03G  
Pompe singole a palette tipo BQ03G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | MAXIMUM PRESSURE (Bar)<br>PRESION MAX. (Bar) | € |
|-----------------------|-------------------------------------------------------------|----------------------------------------------|---|
| BQ03G24C01            | 90                                                          | 210                                          | - |
| BQ03G28C01            | 106                                                         | 210                                          | - |



### Bombas simples tipo BQ04G

Single pumps BQ04G type  
Pompes simples type BQ04G  
Pompe singole a palette tipo BQ04G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | MAXIMUM PRESSURE (Bar)<br>PRESION MAX. (Bar) | € |
|-----------------------|-------------------------------------------------------------|----------------------------------------------|---|
| BQ04G80C01            | 80                                                          | 210                                          | - |
| BQ04G94C01            | 94                                                          | 210                                          | - |
| BQ04G114C01           | 114                                                         | 210                                          | - |
| BQ04G131C01           | 131                                                         | 210                                          | - |
| BQ04G140C01           | 140                                                         | 210                                          | - |



### Bombas simples tipo BQ05G

Single pumps BQ05G type  
Pompes simples type BQ05G  
Pompe singole tipo BQ05G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | MAXIMUM PRESSURE (Bar)<br>PRESION MAX. (Bar) | € |
|-----------------------|-------------------------------------------------------------|----------------------------------------------|---|
| BQ05G164C01           | 164                                                         | 175                                          | - |
| BQ05G180C01           | 180                                                         | 175                                          | - |
| BQ05G189C01           | 189                                                         | 175                                          | - |
| BQ05G217C01           | 217                                                         | 175                                          | - |
| BQ05G230C01           | 230                                                         | 175                                          | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## BOMBAS DE PALETAS

Vane pumps  
Pompes à palettes  
Pompe a palette



### Carcasas bombas simples

Simple pump casing  
Corps pompe simple  
Corpo pompe singole

| Part n°<br>Referencia | PUMP<br>BOMBA | € |
|-----------------------|---------------|---|
| BQ01GC01              | BQ01G         | - |
| BQ02GC01              | BQ02G         | - |
| BQ04GC01              | BQ04G         | - |
| BQ05GC01              | BQ05G         | - |



### Carcasas bombas dobles

Double pump casing  
Corps pompe double  
Corpo pompe doppie

| Part n°<br>Referencia | PUMP<br>BOMBA | € |
|-----------------------|---------------|---|
| BQ21GCC01             | BQ21G         | - |
| BQ41GCC01             | BQ41G         | - |
| BQ42GCC01             | BQ42G         | - |
| BQ51GCC01             | BQ51G         | - |
| BQ52GCC01             | BQ52G         | - |
| BQ54GCC02             | BQ54G         | - |

**BOMBAS DE PALETAS DOBLES BAJO CONSULTA**  
DOUBLE VANE PUMPS UNDER REQUEST



# BOMBAS DE PALETAS

Vane pumps  
Pompes à palettes  
Pompe a palette



## Cartuchos para bombas simples BQ01G

Cartridges for BQ01G single pumps  
Cartouches pour pompes simples BQ01G  
Cartucce per pompe singole BQ01G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | € |
|-----------------------|-------------------------------------------------------------|---|
| CBQ0121               | 21                                                          | - |
| CBQ0132               | 32                                                          | - |
| CBQ0135               | 35                                                          | - |
| CBQ0142               | 42                                                          | - |
| CBQ0146               | 46                                                          | - |
| CBQ0155               | 55                                                          | - |



## Cartuchos para bombas simples BQ02G

Cartridges for BQ02G single pumps  
Cartouches pour pompes simples BQ02G  
Cartucce per pompe singole BQ02G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | € |
|-----------------------|-------------------------------------------------------------|---|
| CBQ0247               | 47                                                          | - |
| CBQ0253               | 53                                                          | - |
| CBQ0264               | 64                                                          | - |
| CBQ0271               | 71                                                          | - |
| CBQ0279               | 79                                                          | - |



## Cartuchos para bombas simples BQ03G

Cartridges for BQ03G single pumps  
Cartouches pour pompes simples BQ03G  
Cartucce per pompe singole BQ03G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | € |
|-----------------------|-------------------------------------------------------------|---|
| CBQ0390               | 90                                                          | - |
| CBQ03106              | 106                                                         | - |



## Cartuchos para bombas simples BQ04G

Cartridges for BQ04G single pumps  
Cartouches pour pompes simples BQ04G  
Cartucce per pompe singole BQ04G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | € |
|-----------------------|-------------------------------------------------------------|---|
| CBQ0480               | 80                                                          | - |
| CBQ0494               | 94                                                          | - |
| CBQ04114              | 114                                                         | - |
| CBQ04131              | 131                                                         | - |
| CBQ04140              | 140                                                         | - |



## Cartuchos para bombas simples BQ05G

Cartridges for BQ05G single pumps  
Cartouches pour pompes simples BQ05G  
Cartucce per pompe singole BQ05G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | € |
|-----------------------|-------------------------------------------------------------|---|
| CBQ05164              | 164                                                         | - |
| CBQ05180              | 180                                                         | - |
| CBQ05189              | 189                                                         | - |
| CBQ05217              | 217                                                         | - |
| CBQ05230              | 230                                                         | - |

## BOMBAS DE PALETAS

Vane pumps  
Pompes à palettes  
Pompe a palette

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



### Cartuchos para bombas BQ21G

Cartridges for BQ21G pumps  
Cartouches pour pompes BQ21G  
Cartucce per pompe BQ21G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | € |
|-----------------------|-------------------------------------------------------------|---|
| CBQ2121               | 21                                                          | - |
| CBQ2132               | 32                                                          | - |
| CBQ2142               | 42                                                          | - |
| CBQ2147               | 47                                                          | - |
| CBQ2155               | 55                                                          | - |

Para 2º cartucho ver cartuchos para BQ01G (1er cartucho) / For the 2nd cartridge see cartridges for BQ01G (1st cartridge) / Pour le 2nd cartouche voir cartouches pour BQ01G (1er cartouche) / Per la 2ª cartuccia, vedere cartuccia per BQ01G (1ª cartuccia)



### Cartuchos para bombas BQ41/42G

Cartridges for BQ41/42G pumps  
Cartouches pour pompes BQ41/42G  
Cartucce per pompe BQ41/42G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | € |
|-----------------------|-------------------------------------------------------------|---|
| CBQ414247             | 47                                                          | - |
| CBQ414255             | 55                                                          | - |
| CBQ414264             | 64                                                          | - |
| CBQ414279             | 79                                                          | - |

Para 2º cartucho BQ41 ver BQ01G (1er cartucho); para BQ42 ver BQ02G / For the 2nd cartridge BQ41 see BQ01G (1st cartridge); for BQ42 see BQ02G / Pour le 2nd cartouche BQ41 voir BQ01G (1er cartouche); pour BQ42 voir BQ02G / Per 2ª cartuccia BQ51 vedere BQ01G (1ª cartuccia); per BQ52 vedere BQ02G; per BQ54 ver BQ04G



### Cartuchos para bombas BQ51/52/54G

Cartridges for BQ51/52/54G pumps  
Cartouches pour pompes BQ51/52/54G  
Cartucce per pompe BQ51/52/54G

| Part n°<br>Referencia | FLOW (l/min) at 1200 R.P.M.<br>CAUDAL (l/min) a 1200 R.P.M. | € |
|-----------------------|-------------------------------------------------------------|---|
| CBQ515254114          | 114                                                         | - |
| CBQ515254131          | 131.6                                                       | - |
| CBQ51525479           | 79                                                          | - |
| CBQ51525494           | 94                                                          | - |
| CBQ515454140*         | 140                                                         | - |

\* Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

\* Para 2º cartucho BQ51 ver BQ01G (1er cartucho); para BQ52 ver BQ02G; para BQ54 ver BQ04G / For the 2nd cartridge BQ51 see BQ01G (1st cartridge); for BQ52 see BQ02G; for BQ54 see BQ04G / Pour le 2nd cartouche BQ51 voir BQ01G (1er cartouche); pour BQ52 voir BQ02G; pour BQ54 voir BQ04G / Per la 2ª cartuccia BQ51, vedere BQ01G (1ª cartuccia); per BQ52 vedere BQ02G; per BQ54 vedere BQ04G



## ACCESORIOS BOMBAS

Accessories pumps  
Accessoires pour pompes  
Accessori pompe



### Campanas aluminio formato europeo

Aluminium bellhousing european format  
Lanterne aluminium format européen  
Lanterne di accoppiamento alluminio formato europeo

| Part n°<br>Referencia | SIZE<br>TAMANO | MOTOR SIDE CV / HP<br>LADO MOTOR CV / HP | PUMP SIDE<br>LADO BOMBA | € |
|-----------------------|----------------|------------------------------------------|-------------------------|---|
| LS141                 | 140mm          | 0.16/0.25                                | F 1                     | - |
| LS161                 | 160 mm         | 0.3/0.5                                  | F 1                     | - |
| LS201                 | 200 mm         | 0,75/2                                   | F 1                     | - |
| LS250                 | 250 mm         | 3/5,5                                    | F 1                     | - |
| LS203                 | 200 mm         | 0,75/2                                   | F 2                     | - |
| LS252                 | 250 mm         | 3/5,5                                    | F 2                     | - |
| LS300                 | 300 mm         | 7,5/12,5                                 | F 2                     | - |
| L3511                 | 350 mm         | 15/30                                    | F 2                     | - |
| LS255                 | 250 mm         | 3/5,5                                    | F 3                     | - |
| LS302                 | 300 mm         | 7,5/12,5                                 | F 3                     | - |
| L3513                 | 350 mm         | 15/30                                    | F 3                     | - |
| LS306                 | 300 mm         | 7,5/12,5                                 | F 3.5                   | - |
| L3507                 | 350 mm         | 15/30                                    | F 3.5                   | - |
| L4006                 | 400 mm         | 40                                       | F 3.5                   | - |
| LSE356                | 350 mm         | 15/20                                    | F 3.5                   | - |



### Acoplamiento aluminio formato europeo

Aluminium couplings european format  
Accouplement aluminium format européen  
Giunto in alluminio formato europeo

| Part n°<br>Referencia | SPIDERS<br>ESTRELLA | SHAFT(mm)- ELECTRIC MOTOR HP<br>EJE (mm)- CV MOTOR | PUMP SIDE (SHAFT)<br>LADO BOMBA (EJE) | € |
|-----------------------|---------------------|----------------------------------------------------|---------------------------------------|---|
| ND1A                  | 5158045             | 14 mm 0.33/0.5                                     | F1 Cylindrical 7mm                    | - |
| ND2                   | 5158045             | 14 mm 0,33/0,5                                     | F 1 Tapered 1:8                       | - |
| ND5                   | 5158045             | 19 mm 0,75/1                                       | F 1 Tapered 1:8                       | - |
| ND8                   | 5158045             | 24 mm 1,5/2                                        | F 1 Tapered 1:8                       | - |
| ND11                  | 5158055             | 28 mm 3/5,5                                        | F 1 Tapered 1:8                       | - |
| ND7                   | 5158045             | 19 mm 0,75/1                                       | F 2 Tapered 1:8                       | - |
| ND10                  | 5158045             | 24 mm 1,5/2                                        | F 2 Tapered 1:8                       | - |
| ND13                  | 5158055             | 28 mm 3/5,5                                        | F 2 Tapered 1:8                       | - |
| ND16                  | 5158074             | 38 mm 7,5/12,5                                     | F 2 Tapered 1:8                       | - |
| ND43A                 | 5158074             | 42 mm 15/20                                        | F 2 Tapered 1:8                       | - |
| ND15                  | 5158074             | 28 mm 3/5,5                                        | F 3 Tapered 1:8                       | - |
| ND17                  | 5158074             | 38 mm 7,5/12,5                                     | F 3 Tapered 1:8                       | - |
| ND43C                 | 5158104             | 42 mm 15/20                                        | F 3 Tapered 1:8                       | - |
| ND44C                 | 5158104             | 48 mm 25/30                                        | F 3 Tapered 1:8                       | - |
| ND18C                 | 5158104             | 38 mm 7,5/12,5                                     | F 3.5 Tapered 1:8                     | - |
| ND21A                 | 5158104             | 42 mm 15/20                                        | F 3.5 Tapered 1:8                     | - |
| ND25A                 | 5158104             | 48 mm 25/30                                        | F 3.5 Tapered 1:8                     | - |
| ND41A                 | 5158104             | 55 mm 31/40                                        | F 3.5 Tapered 1:8                     | - |

## ACCESORIOS BOMBAS

Accessories pumps  
Accessoires pour pompes  
Accessori pompe



### Campana aluminio bombas caudal variable

Bellhousing for variable displacement pumps

Lanterne en aluminium pour pompes à débit variable

Lanterne in alluminio a portata variabile

NEW

| Part n°<br>Referencia | POWER (HP)<br>POTENCIA (CV) | PUMP<br>BOMBA                | € |
|-----------------------|-----------------------------|------------------------------|---|
| CAMP28010125CV        | 25                          | BPCV28DFR0101 / BPCV28DR0101 | - |
| CAMP28020225CV        | 25                          | BPCV28DFR0202 / BPCV28DR0202 | - |
| CAMP45010140CV        | 40                          | BPCV45DFR0101 / BPCV45DR0101 | - |
| CAMP45020240CV        | 40                          | BPCV45DFR0202 / BPCV45DR0202 | - |
| CAMP71010150CV        | 50                          | BPCV71DFR0101 / BPCV71DR0101 | - |
| CAMP71020250CV        | 50                          | BPCV71DFR0202 / BPCV71DR0202 | - |



### Acoplamiento aluminio bombas caudal variable

Coupling for variable displacement pumps

Accouplement en aluminium pour pompes à débit variable

Pompe a portata variabile con giunti in alluminio

NEW

| Part n°<br>Referencia | POWER (HP)<br>POTENCIA (CV) | PUMP<br>BOMBA                | € |
|-----------------------|-----------------------------|------------------------------|---|
| ACOP28010125CV        | 25                          | BPCV28DFR0101 / BPCV28DR0101 | - |
| ACOP28020225CV        | 25                          | BPCV28DFR0202 / BPCV28DR0202 | - |
| ACOP45010140CV        | 40                          | BPCV45DFR0101 / BPCV45DR0101 | - |
| ACOP45020240CV        | 40                          | BPCV45DFR0202 / BPCV45DR0202 | - |
| ACOP71010150CV        | 50                          | BPCV71DFR0101 / BPCV71DR0101 | - |
| ACOP71020250CV        | 50                          | BPCV71DFR0202 / BPCV71DR0202 | - |

ACOP...0202 foto superior. ACOP...0101 foto inferior. / ACOP...0202 top photo. ACOP...0101 bottom photo. / ACOP...0202 photo du haut. ACOP...0101 photo du bas. / ACOP...0202 foto in alto. ACOP...0101 in basso.



### Acoplamiento tipo SN

SN type couplings

Accouplement type SN

Giunti di tipo SN

| Part n°<br>Referencia | DIAMETER (mm)<br>DIAMETRO (mm) | SPIDER TYPE<br>TIPO ESTRELLA | R.P.M. | MAX. TORQUE (Kg.m)<br>PAR MAX.(Kg.m) | € |
|-----------------------|--------------------------------|------------------------------|--------|--------------------------------------|---|
| SN-75 V               | 75                             | 75x16                        | 7000   | 8                                    | - |
| SN-75 V MEC CETOP     | 75                             | 75x16                        | 7000   | 8                                    | - |
| SN-75 V MEC16         | 75                             | 75x16                        | 7000   | 8                                    | - |
| SN-75 V MEC166        | 75                             | 75x16                        | 7000   | 8                                    | - |
| SN-120/20 V           | 120                            | 120x20                       | 4500   | 40                                   | - |
| SN-120/20 C           | 120                            | 120x20                       | 4500   | 40                                   | - |
| SN-135 V              | 135                            | 135x25                       | 4000   | 65                                   | - |
| SN-135 C              | 135                            | 135x25                       | 4000   | 65                                   | - |
| SN-150/28 C           | 150                            | 150x28                       | 3500   | 90                                   | - |
| SN-175 V              | 175                            | 175x32                       | 3000   | 135                                  | - |
| SN-175 C              | 175                            | 175x32                       | 3000   | 135                                  | - |
| SN-200/35 V           | 200                            | 200x35                       | 2750   | 190                                  | - |



### Acoplamiento tipo SR

SR type couplings

Accouplement type SR

Giunti di tipo SR

| Part n°<br>Referencia | DIAMETER (mm)<br>DIAMETRO (mm) | SPIDER TYPE<br>TIPO ESTRELLA | R.P.M. | MAX. TORQUE (Kg.m)<br>PAR MAX.(Kg.m) | SHAFT Ø(mm)<br>EJE Ø(mm) | SPIDERS<br>ESTRELLA | € |
|-----------------------|--------------------------------|------------------------------|--------|--------------------------------------|--------------------------|---------------------|---|
| SR-50 V               | 50                             | 50x10                        | 10000  | 1,2                                  | 0-19                     | PUR                 | - |
| SR-60 V               | 60                             | 60x14                        | 8500   | 3,5                                  | 0-24                     | PUR                 | - |
| SR-75 V               | 75                             | 75x16                        | 7000   | 8                                    | 13-34                    | PUR                 | - |
| SR-90 V               | 90                             | 90x20                        | 6000   | 16                                   | 13-40                    | PUR                 | - |
| SR-105/20 C           | 105                            | 105x20                       | 5500   | 27                                   | 0-48                     | Caucho/Rubber       | - |
| SR-105/20 V           | 105                            | 105x20                       | 5500   | 27                                   | 0-48                     | PUR                 | - |

## ACCESORIOS BOMBAS

Accessories pumps  
Accessoires pour pompes  
Accessori pompe

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



### Acoplamientos tipo SRL

SRL type couplings  
Accouplement type SRL  
Giunti di tipo SRL

| Part n°<br>Referencia | DIAMETER (mm)<br>DIAMETRO (mm) | SPIDER TYPE<br>TIPO ESTRELLA | R.P.M. | MAX. TORQUE (Kg-m)<br>PAR MAX. (Kg-m) | SHAFT Ø(mm)<br>EJE Ø(mm) | SPIDERS<br>ESTRELLA | € |
|-----------------------|--------------------------------|------------------------------|--------|---------------------------------------|--------------------------|---------------------|---|
| SRL-50 V              | 50                             | 50x10                        | 10000  | 1,2                                   | 0-20                     | PUR                 | - |
| SRL-60 V              | 60                             | 60x14                        | 8500   | 3,5                                   | 0-24                     | PUR                 | - |
| SRL-75 V              | 75                             | 75x16                        | 7000   | 8                                     | 13-34                    | PUR                 | - |
| SRL-75 V MEC25        | 75                             | 75x16                        | 7000   | 8                                     | 13-34                    | PUR                 | - |
| SRL-75 V MEC2525      | 75                             | 75x16                        | 7000   | 8                                     | 13-34                    | PUR                 | - |
| SRL-90 V              | 90                             | 90x20                        | 6000   | 16                                    | 13-45                    | PUR                 | - |
| SRL-105/20 C          | 105                            | 105x20                       | 5500   | 27                                    | 0-48                     | Caucho/Rubber       | - |
| SRL-105/20 V          | 105                            | 105x20                       | 5500   | 27                                    | 0-48                     | PUR                 | - |
| SRL-120/20 C          | 120                            | 120x20                       | 4500   | 40                                    | 0-48                     | Caucho/Rubber       | - |
| SRL-120/20 V          | 120                            | 120x20                       | 4500   | 40                                    | 0-48                     | PUR                 | - |
| SRL-135 C             | 135                            | 135x25                       | 4000   | 65                                    | 0-65                     | Caucho/Rubber       | - |
| SRL-135 V             | 135                            | 135x25                       | 4000   | 65                                    | 0-65                     | PUR                 | - |
| SRL-150 C             | 150                            | 150x28                       | 3500   | 90                                    | 0-70                     | Caucho/Rubber       | - |
| SRL-150 V             | 150                            | 150x28                       | 3500   | 90                                    | 0-70                     | PUR                 | - |
| SRL-175 V             | 175                            | 175x32                       | 3000   | 135                                   | 0-85                     | PUR                 | - |
| SRL-200/35 V          | 200                            | 200x35                       | 2750   | 190                                   | 0-100                    | PUR                 | - |
| SRL-200/40 V          | 200                            | 200x40                       | 2750   | 305                                   | 0-100                    | PUR                 | - |



### Acoplamientos tipo SE

SE type couplings  
Accouplement type SE  
Giunti di tipo SE

| Part n°<br>Referencia | DIAMETER (mm)<br>DIAMETRO (mm) | SPIDER TYPE<br>TIPO ESTRELLA | R.P.M. | MAX. TORQUE (Kg-m)<br>PAR MAX. (Kg-m) | SHAFT Ø(mm)<br>EJE Ø(mm) | SPIDERS<br>ESTRELLA | € |
|-----------------------|--------------------------------|------------------------------|--------|---------------------------------------|--------------------------|---------------------|---|
| SE-60 V               | 60                             | 60x14                        | 8500   | 3,5                                   | 0-24                     | PUR                 | - |



### Acoplamientos en inox 316L tipo SRL

SRL type couplings (S.S. 316L)  
Accouplement inox 316L -type SRL  
Giunti in acciaio inox 316L tipo SRL

| Part n°<br>Referencia | DIAMETER (mm)<br>DIAMETRO (mm) | SPIDER TYPE<br>TIPO ESTRELLA | R.P.M. | MAX. TORQUE (Kg-m)<br>PAR MAX. (Kg-m) | SHAFT Ø(mm)<br>EJE Ø(mm) | SPIDERS<br>ESTRELLA | € |
|-----------------------|--------------------------------|------------------------------|--------|---------------------------------------|--------------------------|---------------------|---|
| Z SRL-50 V            | 50                             | 50x10                        | 10000  | 1,2                                   | 0-20                     | PUR                 | - |
| Z SRL-105 V           | 105                            | 105x20                       | 5500   | 27                                    | 0-48                     | PUR                 | - |
| Z SRL-120 V           | 120                            | 120x20                       | 4500   | 40                                    | 0-55                     | PUR                 | - |



### Acoplamiento tipo TAPER sin casquillo

Taper type couplings without bushing  
Accouplement type taper sans manchon  
Giunto tipo TAPER senza boccola

| Part n°<br>Referencia | BUSING<br>CASQUILLO | DIAMETER (mm)<br>DIAMETRO (mm) | SPIDER TYPE<br>TIPO ESTRELLA | R.P.M. | SPIDERS<br>ESTRELLA | MAX. TORQUE (Kg-m)<br>PAR MAX. (Kg-m) | € |
|-----------------------|---------------------|--------------------------------|------------------------------|--------|---------------------|---------------------------------------|---|
| TC-75                 | CASQ1108            | 75                             | 75x16                        | 6000   | PUR                 | 8                                     | - |
| TC-105                | CASQ1610            | 105                            | 105x20                       | 4800   | PUR                 | 27                                    | - |
| TC-120                | CASQ2012            | 120                            | 120x20                       | 4000   | PUR                 | 40                                    | - |
| TC-150                | CASQ2517            | 150                            | 150x28                       | 3500   | PUR                 | 90                                    | - |

## ACCESORIOS BOMBAS

Accessories pumps  
Accessoires pour pompes  
Accessori pompe



### Casquillo para acoplamiento TAPER

Bushing for TAPER coupling

Manchon pour accouplement type TAPER

Boccola per giunto TAPER

| Part n°<br>Referencia | THREAD<br>ROSCA | BUSING<br>CASQUILLO | € |
|-----------------------|-----------------|---------------------|---|
| <b>CASQ1108</b>       | 1/4"-20h UNC    | TC - 75             | - |
| <b>CASQ2012</b>       | 7/16"-14h UNC   | TC-120              | - |
| <b>CASQ2517</b>       | 1/2"- 13h UNC   | TC-150              | - |
| <b>CASQ3020</b>       | 7/8"-9h UNC     | TC-200              | - |

Especificar el eje en los pedidos. / Specify the shaft in the orders. / Indiquez l'arbre dans les commandes. / Specificare l'albero negli ordini

## ACCESORIOS BOMBAS

Accessories pumps  
Accessoires pour pompes  
Accessori pompe



### Estrellas acoplamiento tipo ND

Spiders ND type couplings  
Etoiles accouplement type ND  
Stelle giunti di tipo ND

| Part n°<br>Referencia | Ø OUTER (mm)<br>Ø EXT.(mm) | SPIDERS<br>ESTRELLA | € |
|-----------------------|----------------------------|---------------------|---|
| 5158045               | 45                         | NBR 85 sh           | - |
| 5158055               | 55                         | NBR 85 sh           | - |
| 5158074               | 74                         | NBR 85 sh           | - |
| 5158104               | 104                        | NBR 85 sh           | - |



### Estrellas caucho acoplamiento SN/SRL/TC/SE/SR

Rubber spiders SN/SRL/TC/SE/SR type couplings  
Étoiles caoutchouc accouplement type SN/SRL/TC/SE/SR  
Stelle in gomma giunti di tipo SN/SRL/TC/SE/SR

| Part n°<br>Referencia | Ø OUTER (mm)<br>Ø EXT.(mm) | WIDTH (mm)<br>ANCHURA.(mm) | € |
|-----------------------|----------------------------|----------------------------|---|
| EC-75/16              | 75                         | 16                         | - |
| EC-75/23              | 75                         | 23                         | - |
| EC-90/16              | 90                         | 16                         | - |
| EC-90/20              | 90                         | 20                         | - |
| EC-105/20             | 105                        | 20                         | - |
| EC-120/18             | 120                        | 18                         | - |
| EC-120/20             | 120                        | 20                         | - |
| EC-120/28             | 120                        | 28                         | - |
| EC-135/25             | 135                        | 25                         | - |
| EC-150/20             | 150                        | 20                         | - |
| EC-150/28             | 150                        | 28                         | - |
| EC-175/32             | 175                        | 32                         | - |
| EC-200/25             | 200                        | 25                         | - |



### Estrellas PUR acoplamiento SN/SRL/TC/SE/SR

PUR spiders SN/SRL/TC/SE/SR type couplings  
Étoiles PUR accouplement type SN/SRL/TC/SE/SR  
Stelle PUR giunti di tipo SN/SRL/TC/SE/SR

| Part n°<br>Referencia | Ø OUTER (mm)<br>Ø EXT.(mm) | WIDTH (mm)<br>ANCHURA.(mm) | € |
|-----------------------|----------------------------|----------------------------|---|
| EV-50/10              | 50                         | 10                         | - |
| EV-60/10              | 60                         | 10                         | - |
| EV-60/14              | 60                         | 14                         | - |
| EV-75/16              | 75                         | 16                         | - |
| EV-90/16              | 90                         | 16                         | - |
| EV-90/20              | 90                         | 20                         | - |
| EV-105/20             | 105                        | 20                         | - |
| EV-120/18             | 120                        | 18                         | - |
| EV-120/20             | 120                        | 20                         | - |
| EV-135/25             | 135                        | 25                         | - |
| EV-150/20             | 150                        | 20                         | - |
| EV-150/28             | 150                        | 28                         | - |
| EV-175/32             | 175                        | 32                         | - |
| EV-200/25             | 200                        | 25                         | - |
| EV-200/30             | 200                        | 30                         | - |
| EV-200/35             | 200                        | 35                         | - |
| EV-200/40             | 200                        | 40                         | - |

## ACCESORIOS BOMBAS

Accessories pumps  
Accessoires pour pompes  
Accessori pompe



### Multiplificadores (sin seminudo)

Over gears without splin.half-coup.  
Multiplicateur (sans manchon cannelé)  
Moltiplicatori (senza semigiunto)

| Part n°<br>Referencia | PUMP<br>BOMBA    | EXIT<br>SALIDA  | RELATION<br>RELACION | € |
|-----------------------|------------------|-----------------|----------------------|---|
| MULTIPLI.F-II-1       | F.II             | Hembra / Female | 1:2                  | - |
| MULTIPLI.F-II         | F.II             | Hembra / Female | 1 : 3,4              | - |
| MULTIPLI.FII-MACHO-1  | F.II             | Macho / Male    | 1:2                  | - |
| MULTIPLI.FII-MACHO    | F.II             | Macho / Male    | 1:3,8                | - |
| MULTIPLI.FIII-1       | F-III / FII-FIII | Hembra / Female | 1:2                  | - |
| MULTIPLI.FIII         | F-III / FII-FIII | Hembra / Female | 1:3,4                | - |
| MULTIPLI.FIII-MACHO-1 | F-III / FII-FIII | Macho / Male    | 1:2                  | - |
| MULTIPLI.FIII-MACHO   | F-III / FII-FIII | Macho / Male    | 1:3,8                | - |

### Seminudos

Splined half-couplings  
Manchon cannelé extérieur-conique intérieur  
Semigiunti



| Part n°<br>Referencia | Ø OUTER<br>Ø EXT. | SHAFT<br>EJE   | TEETH NR.<br>N° DIENTES | € |
|-----------------------|-------------------|----------------|-------------------------|---|
| NUEZ F.I              | 19,5 mm           | 1:8 F.I        | 12                      | - |
| NUEZ FI-FII           | 24,5 mm           | 1:8 F.I-F.II   | 14                      | - |
| NUEZ F.II             | 24,5 mm           | 1:8 F.II       | 14                      | - |
| NUEZ F.III            | 34,5 mm           | 1:8 F.III      | 18                      | - |
| NUEZ FII-FIII         | 34,5 mm           | 1:8 F.II-F.III | 18                      | - |

### Embragues eléctricos sin seminudo

Electrical clutches without splined half-coupling  
Embrayages électriques (sans manchon cannelé)  
Innesto elettromagnetico senza semigiunto



| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | R.P.M. | MAX. TORQUE<br>PAR MAX. | € |
|-----------------------|----------------------------|--------|-------------------------|---|
| EE10-12               | 12 VDC                     | 2000   | 10 daNm                 | - |
| EE10-24               | 24 VDC                     | 2000   | 10 daNm                 | - |

NUEZ FII-FIII válido para estos embragues / NUEZ FII-FIII valid for these clutches / NUEZ FII-FIII valide pour ces embrayages / Giunto dentato FII-FIII valido per queste frizioni

### Embragues mecánicos sin seminudo

Mechanical clutches without splined haf-coupling  
Embrayages mécaniques (sans manchon cannelé)  
Innesto meccanici senza semigiunto



| Part n°<br>Referencia | PUMP (RIGHT TURN)<br>BOMBA (GIRO DERECHA) | R.P.M. | MAX. TORQUE<br>PAR MAX. | € |
|-----------------------|-------------------------------------------|--------|-------------------------|---|
| EM05                  | F.I / F.II                                | 2000   | 9 daNm                  | - |
| EM1                   | F.II / F.III                              | 2700   | 19 daNm                 | - |

### Soporte tracción correa (sin seminudo)

Support drive without splined half-coupling  
Contre paliers (sans manchon cannelé)  
Supporti di trazione cinghia (senza semigiunto)



| Part n°<br>Referencia | PUMP<br>BOMBA | AXIAL CHARGE (mts/kg)<br>CARGA AXIAL (mts/kg) | SHAFT TYPE<br>TIPO DE EJE | € |
|-----------------------|---------------|-----------------------------------------------|---------------------------|---|
| SOPORTE F.I           | F.I           | 100                                           | Cylindrical shaft 18 mm   | - |
| SOPORTE F.I CONICO    | F.I           | 100                                           | Tapered shaft 1:8         | - |
| SOPORTE F.II          | F.II          | 170                                           | Cylindrical shaft 18 mm   | - |
| SOPORTE F.II CONICO   | F.II          | 170                                           | Tapered shaft 1:8         | - |
| SOPORTE F.III         | F.III         | 320                                           | Cylindrical shaft 24 mm   | - |
| SOPORTE F.III CONICO  | F.III         | 320                                           | Tapered shaft 1:8         | - |



## ACCESORIOS BOMBAS

Accessories pumps  
Accessoires pour pompes  
Accessori pompe



### Reductores-alto par (motor brida SAE y eje cilíndrico 25 mm)

Speed reducer gear- high torque (motor SAE flange and cylindrical shaft 25 mm)

Réducteurs - couple élevé (moteur bride SAE et arbre cylind. 25 mm)

Riduttori coppia elevata (motore flangia SAE e albero cilindrico 25 mm)

| Part n°<br>Referencia | POWER (KW)<br>POTENCIA (KW) | INLET RPM<br>RPM MAX EN ENTRADA | INLET TORQUE N.m<br>PAR DE ENTRADA N.m | OUTLET TORQUE N.m<br>PAR DE SALIDA N.m | RELATION<br>RELACION | € |
|-----------------------|-----------------------------|---------------------------------|----------------------------------------|----------------------------------------|----------------------|---|
| REDAP01.5             | 20 KW                       | 300                             | 320                                    | 480                                    | 1 : 1,5              | - |
| REDAP02               | 20 KW                       | 400                             | 242                                    | 485                                    | 1 : 2                | - |
| REDAP02.5             | 20 KW                       | 500                             | 208                                    | 520                                    | 1 : 2,5              | - |
| REDAP03               | 20 KW                       | 600                             | 190                                    | 570                                    | 1 : 3                | - |
| REDAP03.5             | 20 KW                       | 680                             | 151                                    | 530                                    | 1 : 3,5              | - |
| REDAP03.8             | 20 KW                       | 760                             | 138                                    | 525                                    | 1 : 3,8              | - |



### Reductores-par normal (motor brida SAE y eje cilíndrico 25 mm)

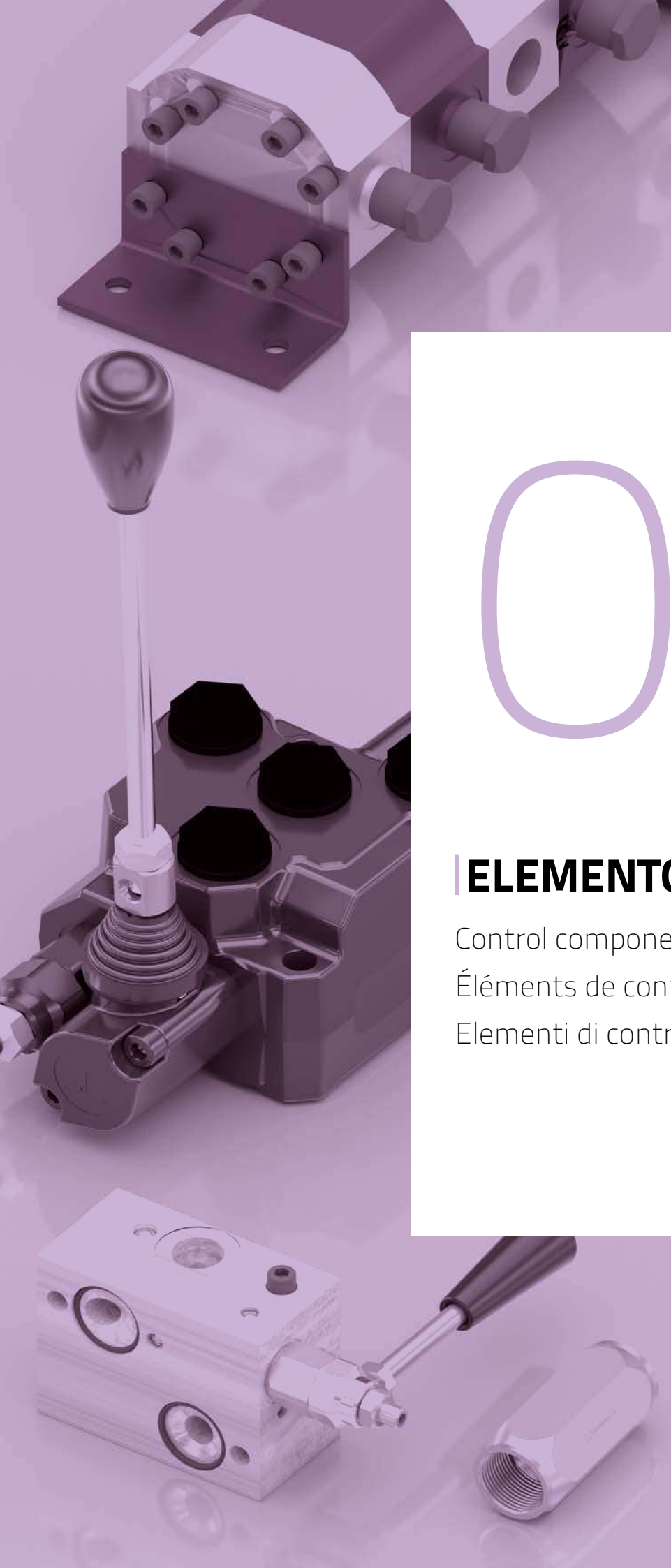
Speed reducer-standard torque (motor SAE flange and cylindrical shaft 25 mm)

Réducteurs - couple normal (moteur bride SAE et arbre cylind. 25 mm)

Riduttori coppia standard (motore flangia SAE e albero cilindrico 25 mm)

| Part n°<br>Referencia | POWER (KW)<br>POTENCIA (KW) | INLET RPM<br>RPM MAX EN ENTRADA | INLET TORQUE N.m<br>PAR DE ENTRADA N.m | OUTLET TORQUE N.m<br>PAR DE SALIDA N.m | RELATION<br>RELACION | € |
|-----------------------|-----------------------------|---------------------------------|----------------------------------------|----------------------------------------|----------------------|---|
| REDBP01.5             | 10KW                        | 300                             | 131                                    | 196                                    | 1 : 1,5              | - |
| REDBP02               | 10KW                        | 400                             | 88                                     | 176                                    | 1 : 2                | - |
| REDBP02.5             | 10KW                        | 500                             | 77                                     | 192                                    | 1 : 2,5              | - |
| REDBP03               | 10KW                        | 600                             | 67                                     | 201                                    | 1 : 3                | - |
| REDBP03.5             | 10KW                        | 680                             | 63                                     | 214                                    | 1 : 3,5              | - |

|                                                                                              |            |
|----------------------------------------------------------------------------------------------|------------|
| <b>DISTRIBUIDORES<br/>HIDRÁULICOS</b>                                                        | <b>148</b> |
| Hydraulic directional control valves<br>Distributeurs hydrauliques<br>Distributori idraulici |            |
| <b>EMPUÑADURAS</b>                                                                           | <b>158</b> |
| Joysticks<br>Poignées<br>Impugnatura                                                         |            |
| <b>SELECTORAS</b>                                                                            | <b>160</b> |
| Diverter valves<br>Déviateurs<br>Valvole deviatrici                                          |            |
| <b>ELECTROVÁLVULAS</b>                                                                       | <b>164</b> |
| Solenoid valve<br>Électrovalve<br>Elettrovalvole                                             |            |
| <b>VÁLVULAS HIDRÁULICAS</b>                                                                  | <b>181</b> |
| Hydraulic valves<br>Valves hydrauliques<br>Valvole idrauliche                                |            |
| <b>DIVISORES DE CAUDAL DE<br/>ENGRANAJES</b>                                                 | <b>212</b> |
| Gear flow dividers<br>Diviseurs de débit à engrenage<br>Divisori di flusso a ingranaggi      |            |
| <b>PRESOSTATOS</b>                                                                           | <b>215</b> |
| Pressure switches<br>Pressostats<br>Pressostati                                              |            |



# 02

## **ELEMENTOS DE CONTROL**

Control components

Éléments de contrôle

Elementi di controllo

# DISTRIBUIDORES HIDRÁULICOS

Hydraulic directional control valves

Distributeurs hydrauliques

Distributori idraulici



## FM35 c/limitadora accionam. manual y retorno por muelle a posición central

FM35+relief valve. Manual operator, return to center by spring

FM35 avec limit. pression. Commande manuelle, retour au centre par ressort

FM35 con valv. max., az. man. e ritorno a molla pos. centr.

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| FM35/1 3/8 1P DE      | 3/8" BSP        | 35                                       | 300                                       | 1                     | - |
| FM35/1 3/8 1P M       | 3/8" BSP        | 35                                       | 300                                       | 1                     | - |
| FM35/1 3/8 1P SE      | 3/8" BSP        | 35                                       | 300                                       | 1                     | - |
| FM35/2 3/8 2P DD      | 3/8" BSP        | 35                                       | 300                                       | 2                     | - |
| FM35/2 3/8 2P DS      | 3/8" BSP        | 35                                       | 300                                       | 2                     | - |
| FM35/2 3/8 2P SS      | 3/8" BSP        | 35                                       | 300                                       | 2                     | - |
| FM35/3 3/8 3P DDD     | 3/8" BSP        | 35                                       | 300                                       | 3                     | - |
| FM35/3 3/8 3P DDS     | 3/8" BSP        | 35                                       | 300                                       | 3                     | - |
| FM35/3 3/8 3P DSS     | 3/8" BSP        | 35                                       | 300                                       | 3                     | - |
| FM35/4 3/8 4P DDDD    | 3/8" BSP        | 35                                       | 300                                       | 4                     | - |
| FM35/4 3/8 4P DDDS    | 3/8" BSP        | 35                                       | 300                                       | 4                     | - |
| FM35/4 3/8 4P DDSS    | 3/8" BSP        | 35                                       | 300                                       | 4                     | - |
| FM35/5 3/8 5P DDDDD   | 3/8" BSP        | 35                                       | 300                                       | 5                     | - |
| FM35/6 3/8 6P DDDDDD  | 3/8" BSP        | 35                                       | 300                                       | 6                     | - |

SE/S= Simple efecto, DE/D= Doble efecto / SE/S= Single acting, DE/D= Double acting / SE/S= Simple effet, DE/D= Double effet / SE/S= Semplice effetto, DE/D= Doppio effetto



## FM55 c/limitadora accionam. manual y retorno por muelle a posición central

FM55+relief valve. Manual operator, return to center by spring

FM55 avec limit. pression. Commande manuelle, retour au centre par ressort

FM55 con valv. max., az. man. e ritorno a molla pos. centr.

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| FM55/1 1/2 1P DE      | 1/2" BSP        | 70                                       | 300                                       | 1                     | - |
| FM55/1 1/2 1P SE      | 1/2" BSP        | 70                                       | 300                                       | 1                     | - |
| FM55/2 1/2 2P DD      | 1/2" BSP        | 70                                       | 300                                       | 2                     | - |
| FM55/2 1/2 2P DS      | 1/2" BSP        | 70                                       | 300                                       | 2                     | - |
| FM55/3 1/2 3P DDD     | 1/2" BSP        | 70                                       | 300                                       | 3                     | - |
| FM55/3 1/2 3P DDS     | 1/2" BSP        | 70                                       | 300                                       | 3                     | - |
| FM55/3 1/2 3P DSS     | 1/2" BSP        | 70                                       | 300                                       | 3                     | - |
| FM55/4 1/2 4P DDDD    | 1/2" BSP        | 70                                       | 300                                       | 4                     | - |
| FM55/4 1/2 4P DDDS    | 1/2" BSP        | 70                                       | 300                                       | 4                     | - |
| FM55/4 1/2 4P DDSS    | 1/2" BSP        | 70                                       | 300                                       | 4                     | - |
| FM55/5 1/2 5P DDDDD   | 1/2" BSP        | 70                                       | 300                                       | 5                     | - |
| FM55/6 1/2 6P DDDDDD  | 1/2" BSP        | 70                                       | 300                                       | 6                     | - |

SE/S= Simple efecto, DE/D= Doble efecto / SE/S= Single acting, DE/D= Double acting / SE/S= Simple effet, DE/D= Double effet / SE/S= Semplice effetto, DE/D= Doppio effetto



## FM85 c/limitadora accionam. manual y retorno por muelle a posición central

FM85+relief valve. Manual operator, return to center by spring

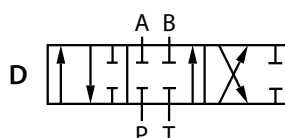
FM85 avec limit. pression. Commande manuelle, retour au centre par ressort

FM85 con valv. max., az. man. e ritorno a molla pos. centr.

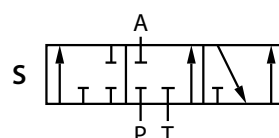
| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| FM85/1 3/4 1P D.E.    | 3/4" BSP        | 100                                      | 320                                       | 1                     | - |
| FM85/1 3/4 1P S.E.    | 3/4" BSP        | 100                                      | 320                                       | 1                     | - |
| FM85/2 3/4 2P DD      | 3/4" BSP        | 100                                      | 320                                       | 2                     | - |
| FM85/2 3/4 2P DS      | 3/4" BSP        | 100                                      | 320                                       | 2                     | - |
| FM85/3 3/4 3P DDD     | 3/4" BSP        | 100                                      | 320                                       | 3                     | - |
| FM85/3 3/4 3P DDS     | 3/4" BSP        | 100                                      | 320                                       | 3                     | - |

SE/S= Simple efecto, DE/D= Doble efecto / SE/S= Single acting, DE/D= Double acting / SE/S= Simple effet, DE/D= Double effet / SE/S= Semplice effetto, DE/D= Doppio effetto

Doble efecto / Double acting



Simple efecto / Single acting



Fichas técnicas disponibles en nuestra web / Technical data in our web

# DISTRIBUIDORES HIDRÁULICOS

Hydraulic directional control valves

Distributeurs hydrauliques

Distributori idraulici

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

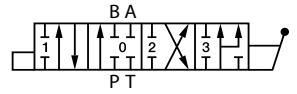


## Modelo BM 45 (45 l/min) cort.leña.

BM 45 type (45 l/min) – log splitter

Type BM45 (45 l/min) – Fendeuse à bois

Modello BM 45 (45 l/min) – taglia legna



| Part n°<br>Referencia   | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-------------------------|-----------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| <b>BM45/1 CORT LENA</b> | 1/2" BSP        | 45                                       | 250                                       | 1                     | - |

Corredera 4 vías, 4 posiciones, tipo regenerativa / Spool 4 ways, 4 positions, regenerative type / Tiroir 4 voies, 4 positions, type regenerative / Spool 4 ways, 4 positions, regenerative type

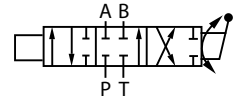


## Distribuidor rotativo corredera D.E. YFM

Rotary control valve closed center spool YFM

Distributeur rotatif centre fermé type YFM

Distributore rotativo cursore D.E. YFM



| Part n°<br>Referencia      | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|----------------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>YFM45/1 1/2 DE ROT</b>  | 1/2" BSP        | 45                                       | 300                                       | - |
| <b>YFM70/1 1/2 DE ROT</b>  | 1/2" BSP        | 65                                       | 300                                       | - |
| <b>YFM100/1 3/4 DE ROT</b> | 3/4" BSP        | 90                                       | 300                                       | - |
| <b>YFM150/1 3/4 DE ROT</b> | 3/4" BSP        | 140                                      | 300                                       | - |

Tiene protección DACROMET contra corrosión en ambiente marino / With DACROMET protection against corrosion in marine environment / Avec protection DACROMET contre la corrosion en milieu marin / Con protezione DACROMET contro corrosione in ambiente marino

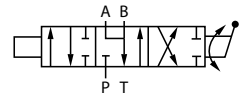


## Distribuidor rotativo corredera motor YFM

Rotary control valve open center spool YFM

Distributeur rotatif centre ouvert type YFM

Distributore rotativo cursore motore YFM



| Part n°<br>Referencia     | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|---------------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>YFM45/1 1/2 M ROT</b>  | 1/2" BSP        | 45                                       | 300                                       | - |
| <b>YFM70/1 1/2 M ROT</b>  | 1/2" BSP        | 65                                       | 300                                       | - |
| <b>YFM100/1 3/4 M ROT</b> | 3/4" BSP        | 90                                       | 300                                       | - |
| <b>YFM150/1 3/4 M ROT</b> | 3/4" BSP        | 140                                      | 300                                       | - |

Tiene protección DACROMET contra corrosión en ambiente marino / With DACROMET protection against corrosion in marine environment / Avec protection DACROMET contre la corrosion en milieu marin / Con protezione DACROMET contro corrosione in ambiente marino

# DISTRIBUIDORES HIDRÁULICOS

Hydraulic directional control valves

Distributeurs hydrauliques

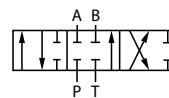
Distributori idraulici

## Corredera D.E

4-way / 3-position spool D.A.

Tiroirs D.E. 4 voies / 3 positions

Cursore doppio effetto 4 vie / 3 posizioni



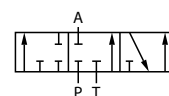
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>560429</b>         | FM35                          | - |
| <b>560096</b>         | FM55 / BM30 / BM40/ BM50      | - |
| <b>560136</b>         | FM85 / BM70                   | - |

## Corredera S.E

3-way / 3-position spool S.A.

Tiroirs S.E. 3 voies / 3 positions

Cursore semplice effetto 3 vie / 3 posizioni



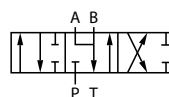
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>560430</b>         | FM35                          | - |
| <b>560097</b>         | FM55 / BM30 / BM40/ BM50      | - |
| <b>560137</b>         | FM85 / BM70                   | - |

## Corredera motor

4 way / 3 position open center

4 voies / 3 positions centre ouvert

Cursore motore



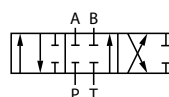
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>560431</b>         | FM35                          | - |
| <b>560099</b>         | FM55 / BM30 / BM40/ BM50      | - |
| <b>560139</b>         | FM85 / BM70                   | - |

## Corredera para joystick D.E.

Spool for joystick D.A.

Tiroir pour joystick D.E.

Cursore per joystick doppio effetto



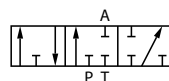
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>560111</b>         | FM55 / BM40 D.E./ S.A.        | - |
| <b>NEW 561110</b>     | BM70/FM85 D.E./ D.A.          | - |

## Corredera para joystick S.E.

Spool for joystick S.A.

Tiroir pour joystick S.E.

Cursore per joystick semplice effetto



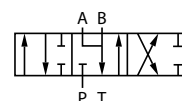
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>560112</b>         | FM55 / BM40 S.E./ S.A.        | - |
| <b>NEW 560695</b>     | BM70/FM85 S.E./ S.A.          | - |

## Corredera para joystick centro abierto

Spool for joystick open center

Tiroir pour joystick centre ouvert

Cursore per joystick a centro aperto



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>560696</b>         | BM70/FM85 MOTOR               | - |

**NEW**

# DISTRIBUIDORES HIDRÁULICOS

Hydraulic directional control valves

Distributeurs hydrauliques

Distributori idraulici

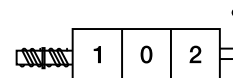
PUMPS

## Accionamiento tipo 1 retorno muelle 3 pos

Spool control type 1 return to center by spring

Actionnement type 1 -retour par ressort 3 pos.

Azionamento tipo 1 ritorno a molla 3 posizioni



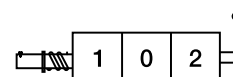
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>802049</b>         | FM35                          | - |
| <b>802001</b>         | FM55 / BM30 / BM40            | - |
| <b>802015</b>         | FM85 / BM70                   | - |

## Accionamiento tipo 2 - enclavado 1 pos.

Spool control type 2 - 1 pos. detent

Actionnement type 2- cranté 1 pos.

Azionamento tipo 2 - bloccaggio 1 posizioni



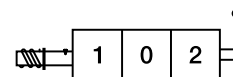
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>802051</b>         | FM35                          | - |
| <b>802002</b>         | FM55 / BM30 / BM40            | - |
| <b>802016</b>         | FM85 / BM70                   | - |

## Accionamiento tipo 3 - enclavado 1 pos.

Spool control type 3 - 1 pos. detent

Actionnement type 3 - cranté 1 pos.

Azionamento tipo 3 - bloccaggio 1 posizione



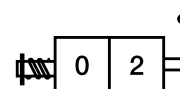
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>802052</b>         | FM35                          | - |
| <b>802003</b>         | FM55 / BM30 / BM40            | - |
| <b>802017</b>         | FM85 / BM70                   | - |

## Accionamiento tipo 4 - 2 posiciones

Spool control type 4 - 2 pos.

Actionnement type 4 - 2 pos.

Azionamento tipo 4 - 2 posizioni



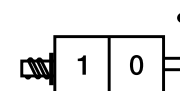
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>802057</b>         | FM35                          | - |
| <b>802004</b>         | FM55 / BM30 / BM40            | - |
| <b>802018</b>         | FM85 / BM70                   | - |

## Accionamiento tipo 5 - 2 posiciones

Spool control type 5 - 2 pos.

Actionnement type 5 - 2 pos.

Azionamento tipo 5 - 2 posizioni



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>802058</b>         | FM35                          | - |
| <b>802005</b>         | FM55 / BM30 / BM40            | - |

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



# DISTRIBUIDORES HIDRÁULICOS

Hydraulic directional control valves

Distributeurs hydrauliques

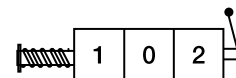
Distributori idraulici

## Accionamiento tipo 6 - 2 pos. extremas

Spool control type 6 - 2 extreme pos.

Actionnement type 6 - 2 pos. extrêmes

Azionamento tipo 6 - 2 posizione estreme



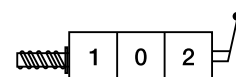
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 802059                | FM35                          | - |
| 802006                | FM55 / BM30 / BM40            | - |

## Accionamiento tipo 7 - 2 pos. extremas

Spool control type 7 - 2 extreme pos.

Actionnement type 7 - 2 pos. extrêmes

Azionamento tipo 7 - 2 posizione estreme



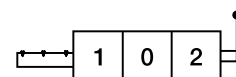
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 802060                | FM35                          | - |
| 802007                | FM55 / BM30 / BM40            | - |
| 802021                | FM85 / BM70                   | - |

## Accionamiento tipo 8 - enclavado 3 pos.

Spool control type 8 detent 3 pos.

Actionnement type 8 - cranté 3 pos.

Azionamento tipo 8 - bloccaggio 3 posizioni



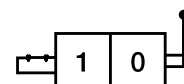
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 802050                | FM35                          | - |
| 802008                | FM55 / BM30 / BM40            | - |
| 802022                | FM85 / BM70                   | - |

## Accionamiento tipo 9 - 2 pos.

Spool control type 9 detent 2 pos.

Actionnement type 9 - cranté 2 pos.

Azionamento tipo 9 - 2 posizioni



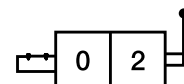
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 802085                | FM35                          | - |
| 802009                | FM55 / BM30 / BM40            | - |
| 560283                | FM85 / BM70                   | - |

## Accionamiento tipo 10 - 2 pos.

Spool control type 10 detent 2 pos.

Ressort pour valve limiteur de pression

Azionamento tipo 10 - 2 posizioni



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 802086                | FM35                          | - |
| 802010                | FM55 / BM30 / BM40            | - |
| 802024                | FM85 / BM70                   | - |

# DISTRIBUIDORES HIDRÁULICOS

Hydraulic directional control valves

Distributeurs hydrauliques

Distributori idraulici

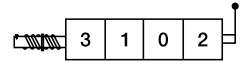
PUMPS

## Accionamiento tipo 16 - 4 pos. flotante

Spool control type 16 for 4th pos. floating spool

Actionnement type 16 pour tiroir avec 4eme pos. flottante

Azionamento tipo 16 - 4 posizione flotante



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 802061                | FM35                          | - |
| 802099                | FM55 / BM30 / BM40            | - |

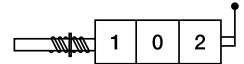
Requiere cuerpo distribuidor especial / Required special body / Besoin de cavité spécifique / E' richiesto corpo distributore speciale

## Accionamiento tipo 1DC - 3 pos. para leva

Spool control type 1DC - 3 pos. for lever

Actionnement type 1DC - 3 pos. pour levier

Azionamento tipo 1DC - 3 posiz. Per leva



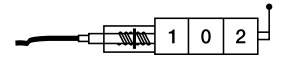
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 802109                | FM35                          | - |
| 802076                | FM55 / BM30 / BM40            | - |
| 802097                | FM85 / BM70                   | - |

## Accionamiento tipo 1F - 3 pos. para sirga

Spool control type 1F - 3 pos. for cable

Actionnement type 1F - 3 pos. pour cable

Azionamento tipo 1F-3 posiz. Per cavo



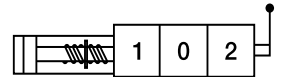
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 802132                | FM35                          | - |
| 802070                | FM55 / BM30 / BM40            | - |
| 802096                | FM85 / BM70                   | - |

## Accionamiento neumático tipo 1P - 3 pos.

Pneumatic control type 1P - 3 pos.

Actionnement pneumatique type 1P - 3 pos.

Azionamento pneumatico tipo 1P-3 posizioni



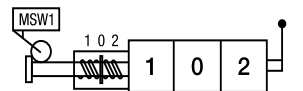
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 802064                | FM55 / BM30 / BM40            | - |
| 802065                | FM85 / BM70                   | - |

## Microrruptor S.E. - corredera V

Microswitch control S.A spool V

Microrupteur S.E. tiroir V

Microinterruttore S.E. - cursore V



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 802095                | FM85 / BM70                   | - |

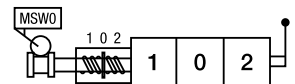
Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

## Microrruptor D.E. protección agua

Microswitch control D.A. water protection

Microrupteur D.E. protection d'eau

Microinterruttore D.E. - protezione acqua



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 802173                | FM35                          | - |
| 802176                | FM55 / BM30 / BM40            | - |

# DISTRIBUIDORES HIDRÁULICOS

Hydraulic directional control valves

Distributeurs hydrauliques

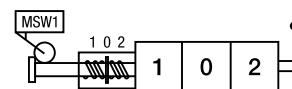
Distributori idraulici

## Microrruptor S.E. cor. V -protección agua

Microswitch S.A. spool V-water protection

Microrupteur S.E. tiroir V - protection d'eau

Microinterruttore S.E. cursore V - protezione acqua



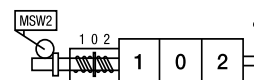
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>802174</b>         | FM35                          | - |
| <b>802177</b>         | FM55 / BM30 / BM40            | - |

## Microrruptor S.E. cor. S -protección agua

Microswitch control S.A. spool S-water protection

Microrupteur S.E. tiroir S - protection d'eau

Microinterruttore S.E. cursore S - protezione acqua



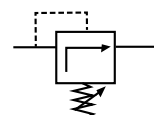
| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>802175</b>         | FM35                          | - |
| <b>802178</b>         | FM55 / BM30 / BM40            | - |

## Válvula limitadora

Relief valve

Limiteurs de pression

Valvola limitatrice



| Part n°<br>Referencia | REG. RATE (bar)<br>CAMPO REG. (bar) | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------------|-------------------------------|---|
| <b>803057</b>         | 10 - 90                             | FM35                          | - |
| <b>803058</b>         | 100 - 250                           | FM35                          | - |
| <b>803061</b>         | 100 - 250                           | FM55 / BM30 / BM40            | - |
| <b>803064</b>         | 100 - 250                           | FM85 / BM70                   | - |

## Muelles para válvula limitadora

Springs for relief valve

Ressort pour limiteur

Molle per valvola limitatrice

| Part n°<br>Referencia | REG. RATE (bar)<br>CAMPO REG. (bar) | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------------|-------------------------------|---|
| <b>200071</b>         | 10 - 90                             | FM55 / BM30 / BM40            | - |
| <b>200068</b>         | 100 - 250                           | FM55 / BM30 / BM40            | - |
| <b>200073</b>         | 150 - 300                           | FM55 / BM30 / BM40            | - |

## Tapón para anulación válvula limitadora

Plug for relief valve cavity

Bouchon pour annulation valve limiteur pression

Tappo per annullamento valvola limitatrice

| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| <b>832018</b>         | FM35                          | - |
| <b>832010</b>         | FM55 / BM30 / BM40            | - |
| <b>832012</b>         | FM85 / BM70                   | - |

# DISTRIBUIDORES HIDRÁULICOS

Hydraulic directional control valves

Distributeurs hydrauliques

Distributori idraulici

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



## Racor de continuación de presión

Carry over fitting

Raccord centre à suivre

Raccordo di continuazione linea pressione

| Part n°<br>Referencia | THREAD<br>ROSCA | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-----------------|-------------------------------|---|
| <b>832019</b>         | 3/8" BSP        | FM35                          | - |
| <b>832004</b>         | 1/2" BSP        | FM55 / BM30 / BM40            | - |
| <b>832015</b>         | 3/4" BSP        | FM85 / BM70                   | - |



## Tapón centro cerrado

Closed center plug

Bouchon pour centre fermé

Tappo centro chiuso

| Part n°<br>Referencia | THREAD<br>ROSCA | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-----------------|-------------------------------|---|
| <b>832017</b>         | 3/8" BSP        | FM35                          | - |
| <b>832007</b>         | 1/2" BSP        | FM55 / BM30 / BM40            | - |
| <b>832013</b>         | 3/4" BSP        | FM85 / BM70                   | - |



## Soporte palanca (sin palanca)

Hold lever (without lever)

Support levier (sans levier)

Supporto leva ( senza leva)

| Part n°<br>Referencia | THREAD<br>ROSCA | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-----------------|-------------------------------|---|
| <b>801025</b>         | M8              | FM35                          | - |
| <b>801035</b>         | M8              | FM55 / BM30 / BM40            | - |
| <b>801036</b>         | M10             | FM85 / BM70 / BM150           | - |



## Soporte palanca y accionamiento bm45 leña

Support lever and operator BM45 log splitter

Levier de support et opérateur BM45 fendeuse à bois

Supporto leva e azionamento BM45 taglia legna

| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR   | € |
|-----------------------|---------------------------------|---|
| <b>801065</b>         | BM45/1 CORT LENA / LOG SPLITTER | - |



## Palanca (sin accionamiento)

Lever

Levier (sans actionnement)

Leva (senza azionamento)

| Part n°<br>Referencia | THREAD<br>ROSCA | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-----------------|-------------------------------|---|
| <b>560025</b>         | M8              | FM35                          | - |
| <b>560026</b>         | M8              | FM55 / BM30 / BM40            | - |
| <b>560027</b>         | M10             | FM85                          | - |

# DISTRIBUIDORES HIDRÁULICOS

Hydraulic directional control valves

Distributeurs hydrauliques

Distributori idraulici



## Sirga para distribuidores

Cable for hydraulic control valves

Cables pour distributeur

Cavo per distributori idraulici

| Part n°<br>Referencia | LENGTH (mm)<br>LONGITUD (mm) | € |
|-----------------------|------------------------------|---|
| 023041                | 1.000                        | - |
| 023038                | 1.250                        | - |
| 023042                | 1.500                        | - |
| 023043                | 2.000                        | - |
| 023044                | 2.500                        | - |
| 023045                | 3.000                        | - |
| 023047                | 3.500                        | - |
| 023048                | 4.000                        | - |
| 023049                | 4.500                        | - |
| 023050                | 5.000                        | - |
| 023051                | 5.500                        | - |
| 023052                | 6.000                        | - |

## Kit Montaje cable distribuidor

Cable adaptor

Kit d'adaptation pour câble

Kit montaggio cavo distributore



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 212076                | Nimco CV452                   | - |
| 601022                | Hydrocontrol HCD2             | - |
| 801022                | FM35                          | - |
| 801023                | FM55 / BM30 / BM40            | - |
| 801024                | FM85 / BM70                   | - |
| KITSIRGA102           | ROQUET 102/1102 N1670/697     | - |
| KITSIRGA402           | ROQUET 402                    | - |
| KITSIRGA406           | ROQUET 406 N6412/407          | - |

## Joystick sobre distribuidor para 2 correderas

Joystick on control valve for 2 spools

Joystick pour 2 tiroirs - montage sur distrib.

Joysticks sopra distributore per due cursori



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 801120                | FM55 / BM30 / BM40            | - |
| 801291                | BM70 / FM85                   | - |

## Monomando para sirga - 1 corredera

Manual remote control - 1 spool

Manipulateur pour cable - 1 tiroir

Comando per cavo - 1 cursore



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 023040                | TODOS/ALL                     | - |

## Monomando para sirga con bloqueo - 1 corredera

Manual remote control with block - 1 spool

Manipulateur pour cable avec blocage - 1 tiroir

Comando per cavo con blocco - 1 cursore



| Part n°<br>Referencia | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|-------------------------------|---|
| 023039                | TODOS/ALL                     | - |

## DISTRIBUIDORES HIDRÁULICOS

Hydraulic directional control valves

Distributeurs hydrauliques

Distributori idraulici



### Joystick para 2 sirgas - 2 correderas

Joystick remote control 2 cables - 2 spools

Joystick pour 2 cables - 2 tiroirs

Joystick per due cavi - 2 cursori

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION                                                     | CONTROL VALVE<br>DISTRIBUIDOR | € |
|-----------------------|--------------------------------------------------------------------------------|-------------------------------|---|
| <b>023023</b>         | Joystick sin bloqueo / without lock                                            | Todos/All                     | - |
| <b>023024</b>         | Joystick con bloqueo / with lock                                               | Todos/All                     | - |
| <b>MJ400</b>          | Con accionamiento eléctrico / with electric acting                             | Todos/All                     | - |
| <b>ID3370</b>         | Ergonómico en codo, bloqueo vertical / Ergonomic bent design a/w vertical lock | Todos/All                     | - |

# JOYSTICK 2 SIRGAS CABLES CORREDERAS SPOOLS

PARA TODOS LOS DISTRIBUIDORES · FOR ALL CONTROL VALVES



023023



sin bloqueo  
without lock



023024



con bloqueo  
with lock



MJ400



sin bloqueo  
without lock



ID3370



con bloqueo  
with lock

TrAle®  
ERGONOMIC

# EMPUÑADURAS

Joysticks  
Poignées  
Impugnatura



## Empuñaduras con botón e interruptor (racor incluido)

Joysticks with button and switch (fitting included)  
Poignées avec bouton et interrupteur (livrée avec raccord)  
Impugnatura con pulsante e interruttore (raccordo incl.)

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION                                                 | € |
|-----------------------|----------------------------------------------------------------------------|---|
| EE1B                  | 1 botón para 1 bobina / 1 button for 1 coil                                | - |
| EE1D                  | 1 interruptor balancín para 2 bobinas / 1 button (2 functions) for 2 coils | - |



## Empuñaduras con botones posteriores

Ergonomic joysticks with back buttons  
Poignées ergonomiques avec des boutons arrière  
Impugnatura con bottoni posteriori

| Part n°<br>Referencia | BUTTONS NR.<br>N° BOTONES | € |
|-----------------------|---------------------------|---|
| EBE11                 | 1                         | - |
| EBE12                 | 2                         | - |
| EBE13                 | 3                         | - |
| EBE15                 | 5                         | - |



## Empuñaduras ergonómicas

Ergonomic joysticks  
Poignées ergonomiques  
Impugnatura ergonomiche

NEW

| Part n°<br>Referencia | BUTTONS NR.<br>N° BOTONES | € |
|-----------------------|---------------------------|---|
| EEN2B                 | 2                         | - |
| EEN3B                 | 3                         | - |
| EEN4B                 | 4                         | - |
| EEN6B                 | 6                         | - |
| EEN8B                 | 8                         | - |



# EMPUÑADURAS

Joysticks  
Poignées  
Impugnatura

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



## Empuñaduras Cobra

Cobra joystick  
Poignée cobra  
Impugnatura Cobra

| Part n°<br>Referencia | BUTTONS NR.<br>N° BOTONES | € |
|-----------------------|---------------------------|---|
| EC1B                  | 1                         | - |
| EC2B                  | 2                         | - |
| EC3B                  | 3                         | - |
| EC4B                  | 4                         | - |
| EC8BI                 | 8+1 switch                | - |



## Manipuladores 2 posiciones

Control lever 2 functions  
Manipulateurs 2 positions  
Manipolatori 2 posizioni

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN                   | € |
|-----------------------|----------------------------------------------|---|
| M2PN-2E               | 2 Pos.enclavadas / 2 Pos. DETENT             | - |
| M2PN-2M               | 2 Pos. retorno muelle / 2 Pos. spring return | - |



## Manipuladores 4 posiciones

Control lever 4 functions  
Manipulateurs 4 positions  
Manipolatori 4 posizioni

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN                  | € |
|-----------------------|---------------------------------------------|---|
| M4PN-4E               | 4 Pos. enclavadas / 4 pos. detent           | - |
| M4PN-4M               | 4 Pos. retorno muelle / 4 pos.spring return | - |



## Interruptores de palanca

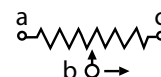
Lever switch  
Interrupteur à levier  
Interruttori a leva

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN         | € |
|-----------------------|------------------------------------|---|
| IP-1E1M               | 1 pos.DETENT 1 Pos.spring POSITION | - |
| IP-2E                 | 2 pos. DETENT                      | - |
| IP-2M                 | 2 spring return                    | - |



## Potenciómetros lineales

Linear Potentiometer  
Potentiomètre linéair  
Potenziometri lineari



| Part n°<br>Referencia | POWER (W)<br>POTENCIA (W) | € |
|-----------------------|---------------------------|---|
| POTENCIOMETRO-LINEAL  | 0,1W                      | - |



## Caja poliéster

Polyester box  
Boîte en polyester  
Scatola poliestere

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|----------------------------|---|
| CM186X80              | 186mm x 80mm x 56mm        | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## SELECTORAS

Diverter valves

Déviateurs

Valvole deviatrici

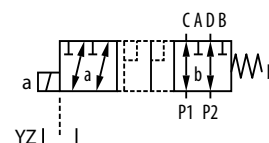


### Electroválvula selectora 6 vías 3/8"

Diverter valve 6 ways 3/8"

Déviateurs 6 voies 3/8"

Elettrovalvole deviatrici a 6 vie 3/8"



| Part n°<br>Referencia | THREAD<br>ROSCA | WAYS NR.<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|---------------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KV-6/2-6-DC-G3/8 MR   | 3/8" BSP        | 6                   | 12 VDC                     | 50                                       | 250                                       | - |
| KV-6/2-6-24DC-G3/8 MR | 3/8" BSP        | 6                   | 24 VDC                     | 50                                       | 250                                       | - |
| KV-6/2-6-48DC-G3/8MR  | 3/8" BSP        | 6                   | 48 VDC                     | 50                                       | 250                                       | - |
| KV-6/2-6-AC-G3/8 MR   | 3/8" BSP        | 6                   | 220 VAC                    | 50                                       | 250                                       | - |

Presión máxima con drenaje 350 bar / Maximum Pressure with drainage 350 bar / Maximum Pressure with drainage 350 bar / Pressione massima con drenaggio 350 bar

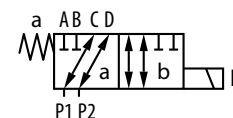


### Electroválvula selectora 6 vías lateral 3/8" (nuevo diseño)

Diverter valve opposite ports 6 ways 3/8" (new design)

Déviateurs 6 voies lateral 3/8" (nouveau design)

Elettrovalvole deviatrici a 6 vie laterale 3/8" (nuovo design)



| Part n°<br>Referencia   | WAYS NR.<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAXIMUM FLOW (l/min)<br>CAUDAL MÁXIMO (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-------------------------|---------------------|----------------------------|-----------------------------------------------|-------------------------------------------|---|
| KV-6K/2-6-DC-3/8 MRND   | 6                   | 12VDC                      | 50                                            | 250                                       | - |
| KV-6K/2-6-AC-G3/8 MRND  | 6                   | 220VAC                     | 50                                            | 250                                       | - |
| KV-6K/2-6-24DC-G3/8MRND | 6                   | 24VDC                      | 50                                            | 250                                       | - |

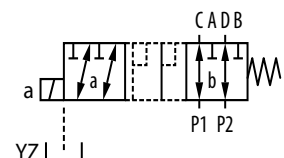


### Electroválvula selectora 6 vías apilable 3/8"

Stackable diverter valve 6 ways 3/8"

Déviateur empilable 6 voies 3/8"

Elettrovalvole deviatrici a 6 vie modulari 3/8"



| Part n°<br>Referencia  | THREAD<br>ROSCA | WAYS NR.<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | ELEMENTS NR.<br>N° ELEMENTOS | € |
|------------------------|-----------------|---------------------|----------------------------|------------------------------------------|-------------------------------------------|------------------------------|---|
| KVH-6/2-6-DC-3/8-N1    | 3/8" BSP        | 6                   | 12 VDC                     | 50                                       | 250                                       | 1                            | - |
| KVH-6/2-6-DC-3/8-N2    | 3/8" BSP        | 8                   | 12 VDC                     | 50                                       | 250                                       | 2                            | - |
| KVH-6/2-6-DC-3/8-N3    | 3/8" BSP        | 10                  | 12 VDC                     | 50                                       | 250                                       | 3                            | - |
| KVH-6/2-6-DC-3/8-N4    | 3/8" BSP        | 12                  | 12 VDC                     | 50                                       | 250                                       | 4                            | - |
| KVH-6/2-6-DC-3/8-N5    | 3/8" BSP        | 16                  | 12 VDC                     | 50                                       | 250                                       | 5                            | - |
| KVH-6/2-6-DC-3/8-N6    | 3/8" BSP        | 6                   | 12 VDC                     | 50                                       | 250                                       | 6                            | - |
| KVH-6/2-6-48-DC-3/8-N1 | 3/8" BSP        | 6                   | 48 VDC                     | 50                                       | 250                                       | 1                            | - |

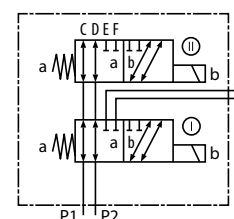


### Electroválvula selectora 8 vías 3/8"

Diverter valve 8 ways 3/8"

Déviateurs 8 voies 3/8"

Elettrovalvole deviatrici a 8 vie 3/8"



| Part n°<br>Referencia | THREAD<br>ROSCA | WAYS NR.<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|---------------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KV-8/3-6-DC-G3/8MR    | 3/8" BSP        | 8                   | 12 VDC                     | 50                                       | 250                                       | - |
| KV-8/3-6-24DC-G3/8MR  | 3/8" BSP        | 8                   | 24 VDC                     | 50                                       | 250                                       | - |
| KV-8/3-6-110AC-G3/8MR | 3/8" BSP        | 8                   | 110 VAC                    | 50                                       | 250                                       | - |
| KV-8/3-6-AC-G3/8 MR   | 3/8" BSP        | 8                   | 220 VAC                    | 50                                       | 250                                       | - |

## SELECTORAS

Diverter valves  
Déviateurs  
Valvole deviatrici

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

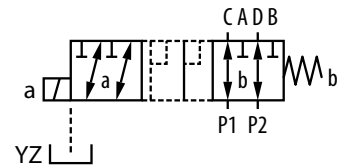


### Electroválvula selectora 6 vías apilable 1/2" - NG8

Stackable diverter valve 6 ways 1/2" - NG8

Déviateur 6 voies 1/2" - NG8

Elettrovalvole deviatrici a 6 vie modulari 1/2" - NG8



| Part n°<br>Referencia | THREAD<br>ROSCA | WAYS NR.<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | ELEMENTS NR.<br>N° ELEMENTOS | € |
|-----------------------|-----------------|---------------------|----------------------------|------------------------------------------|-------------------------------------------|------------------------------|---|
| KVH-6/2-8-DC-1/2-N1   | 1/2" BSP        | 6                   | 12 VDC                     | 90                                       | 350                                       | 1                            | - |
| KVH-6/2-8-DC-1/2-N2   | 1/2" BSP        | 8                   | 12 VDC                     | 90                                       | 350                                       | 2                            | - |
| KVH-6/2-8-DC-1/2-N3   | 1/2" BSP        | 10                  | 12 VDC                     | 90                                       | 350                                       | 3                            | - |
| KVH-6/2-8-24DC-1/2-N1 | 1/2" BSP        | 6                   | 24 VDC                     | 90                                       | 350                                       | 1                            | - |
| KVH-6/2-8-24DC-1/2-N2 | 1/2" BSP        | 8                   | 24 VDC                     | 90                                       | 350                                       | 2                            | - |
| KVH-6/2-8-24DC-1/2-N3 | 1/2" BSP        | 10                  | 24 VDC                     | 90                                       | 350                                       | 3                            | - |

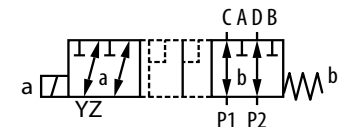


### Electroválvula selectora 6 vías, tomas en una cara, 1/2" - NG8

Diverter valve 6 ways, ports on one side, 1/2" - NG8

Déviateur empilable 6 voies 1/2" - NG8

Elettrovalvole deviatrici 6 vie attacco in un lato 1/2" NG8



| Part n°<br>Referencia | THREAD<br>ROSCA | WAYS NR.<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|---------------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KV-6K/2-8-DC-1/2ND    | 1/2" BSP        | 6                   | 12VDC                      | 90                                       | 315                                       | - |
| KV-6K/2-8-48DC-1/2ND  | 1/2" BSP        | 6                   | 48VDC                      | 90                                       | 315                                       | - |
| KV-6K/2-8-110AC-1/2ND | 1/2" BSP        | 6                   | 110VAC                     | 90                                       | 315                                       | - |
| KV-6K/2-8-220AC-1/2ND | 1/2" BSP        | 6                   | 220VAC                     | 90                                       | 315                                       | - |
| KV-6K/2-8-24DC-1/2ND  | 1/2" BSP        | 6                   | 24VDC                      | 90                                       | 315                                       | - |

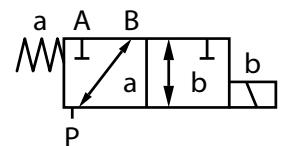


### Electroválvula selectora 3 vías 1/2"

Diverter valve 3 ways 1/2"

Déviateur 3 voies 1/2"

Elettrovalvole deviatrici a 3 vie 1/2"



| Part n°<br>Referencia  | THREAD<br>ROSCA | WAYS NR.<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|------------------------|-----------------|---------------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KVC-3/2-10-41B-12DC1/2 | 1/2" BSP        | 3                   | 12 VDC                     | 60                                       | 250                                       | - |
| KVC-3/2-10-41B-24DC1/2 | 1/2" BSP        | 3                   | 24 VDC                     | 60                                       | 250                                       | - |

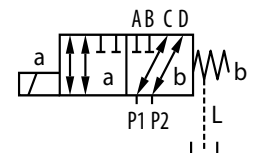


### Electroválvula selectora 6 vías 1/2"

Diverter valve 6 ways 1/2"

Déviateur 6 voies 1/2"

Elettrovalvole deviatrici a 6 vie 1/2"



| Part n°<br>Referencia | THREAD<br>ROSCA | WAYS NR.<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|---------------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| KV-6/2-10-DC-G1/2 MR  | 1/2" BSP        | 6                   | 12 VDC                     | 120                                      | 350                                       | - |
| KV-6/2-10-24DC-G1/2MR | 1/2" BSP        | 6                   | 24 VDC                     | 120                                      | 350                                       | - |
| KV-6/2-10-AC-G1/2 MR  | 1/2" BSP        | 6                   | 220 VAC                    | 120                                      | 350                                       | - |

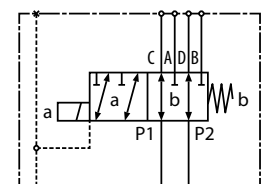


### Electroválvula selectora 6 vías 1/2" apilable

Diverter valve 6 ways 1/2" stackable

Déviateur empilable 6 voies 1/2"

Elettrovalvole deviatrici a 6 vie modulari 1/2"



| Part n°<br>Referencia   | THREAD<br>ROSCA | WAYS NR.<br>N° VIAS | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | ELEMENTS NR.<br>N° ELEMENTOS | € |
|-------------------------|-----------------|---------------------|----------------------------|------------------------------------------|-------------------------------------------|------------------------------|---|
| KVH-6/2-10-DC-1/2-N1    | 1/2" BSP        | 6                   | 12 VDC                     | 120                                      | 350                                       | 1                            | - |
| KVH-6/2-10-DC-1/2-N2    | 1/2" BSP        | 6                   | 12 VDC                     | 120                                      | 350                                       | 2                            | - |
| KVH-6/2-10-DC-1/2-N3    | 1/2" BSP        | 6                   | 12 VDC                     | 120                                      | 350                                       | 3                            | - |
| KVH-6/2-10-24-DC-1/2-N1 | 1/2" BSP        | 6                   | 24 VDC                     | 120                                      | 350                                       | 1                            | - |
| KVH-6/2-10-48-DC-1/2-N1 | 1/2" BSP        | 6                   | 48 VDC                     | 120                                      | 350                                       | 1                            | - |

## SELECTORAS

Diverter valves

Déviateurs

Valvole deviatrici

### Electroválvula selectora 6 vías 3/4"



Diverter valve 6 ways 3/4"

Déviateur empilable 6 voies 3/4"

Elettrovalvole deviatrici a 6 vie 3/4"



| Part n°<br>Referencia        | FLOW (l/min)<br>CAUDAL (l/min) | VOLTAGE (V)<br>VOLTAJE (V) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|------------------------------|--------------------------------|----------------------------|-------------------------------------------|---|
| <b>SELECTORA 6V 3/4 12DC</b> | 140                            | 12DC                       | 200                                       | - |
| <b>SELECTORA 6V 3/4-24CC</b> | 140                            | 24VDC                      | 200                                       | - |

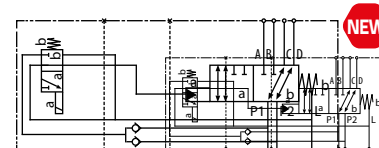
### Electroválvula selectora 6 vías 1"



Diverter valve 6 ways 1"

Déviateur 6 voies 1"

Elettrovalvole deviatrici a 6 vie 1"



| Part n°<br>Referencia           | FLOW (l/min)<br>CAUDAL (l/min) | VOLTAGE (V)<br>VOLTAJE (V) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|---------------------------------|--------------------------------|----------------------------|-------------------------------------------|---|
| <b>KV-6/2-16-N-G1-G-12DC-S1</b> | 250                            | 12DC                       | 350                                       | - |
| <b>KV-6/2-16-N-G1-G-S1</b>      | 250                            | 24DC                       | 350                                       | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## SELECTORAS

Diverter valves  
Déviateurs  
Valvole deviatrici

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



### Bobinas NG6

NG6 solenoid

Bobines NG6

Bobine NG6

|     | Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAGE (V) | POWER (W)<br>POTENCIA (W) | € |
|-----|-----------------------|----------------------------|---------------------------|---|
|     | MR-6-12CC             | 12 VDC                     | 29W                       | - |
|     | MR-6-24CC             | 24 VDC                     | 29W                       | - |
|     | MR-6-48CC             | 48 VDC                     | 29W                       | - |
|     | MR-6-24CA             | 24 VAC **                  | 29W                       | - |
|     | MR-6-48CA             | 48 VAC **                  | 29W                       | - |
|     | MR-6-110CA            | 110 VAC **                 | 29W                       | - |
|     | MR-6-220CA            | 220 VAC **                 | 29W                       | - |
| NEW | SR-045-48DC*          | 48 VDC                     | 29W                       | - |
| NEW | SR-045-110AC*         | 110 VAC **                 | 29W                       | - |
| NEW | SR-045-230AC*         | 230 VAC **                 | 29W                       | - |

\* Para KV-6K/2-6...MRND. \*\*Necesita conector rectificador / For KV-6K/2-6...MRND. \*\*Requires rectifier connector / Pour KV-6K/2-6...MRND. \*\*Nécessite un connecteur redresseur / Per KV-6K/2-6...MRND.

\*\*Richiede connettore raddrizzatore



### Bobinas NG10

NG10 solenoid

Bobines NG10

Bobine NG10

|  | Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAGE (V) | POWER (W)<br>POTENCIA (W) | € |
|--|-----------------------|----------------------------|---------------------------|---|
|  | MR-10-12CC            | 12 VDC                     | 45                        | - |
|  | MR-10-24CC            | 24 VDC                     | 45                        | - |
|  | MR-10-48CC            | 48 VDC                     | 45                        | - |
|  | MR-10-24CA            | 24 VAC **                  | 45                        | - |
|  | MR-10-48CA*           | 48 VAC **                  | 45                        | - |
|  | MR-10-110CA*          | 110 VAC **                 | 45                        | - |
|  | MR-10-220CA*          | 220 VAC **                 | 45                        | - |

\*\*\*Necesita conector rectificador / \*\*Requires rectifier connector / \*\*Nécessite un connecteur redresseur / \*\*Richiede connettore raddrizzatore



### Bobina NG6 para selector 6 vías 3/8 nuevo diseño

NG6 solenoid for selector 6 ways 3/8 new design

Bobine NG6 pour sélecteur 6 voies 3/8 nouveau design

Bobina NG6 per selettore 6 vie 3/8 nuovo design

|  | Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAGE (V) | € |
|--|-----------------------|----------------------------|---|
|  | MR-6-12CC ND          | 12VDC                      | - |
|  | MR-6-24CC ND          | 24VDC                      | - |

Para KV-6K/2-6-DC-3/8 MRND / For KV-6K/2-6-DC-3/8 MRND / Pour KV-6K/2-6-DC-3/8 MRND / Per KV-6K/2-6-DC-3/8 MRND

# ELECTROVÁLVULAS

Solenoid valve

Électrovalve

Elettrovalvole

## Electroválvula NG6 - corredera S1

Solenoid valve NG6 - spool S1

Electro-distributeurs NG6 - tiroir S1

Elettrovalvola NG6 - cursore S1



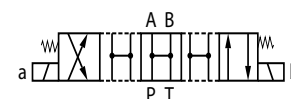
| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-S1/10N-A110-50K1  | NG-6           | 110 VAC                    | 60                                       | 350                                       | - |
| DS3-S1/10N-A230-50K1  | NG-6           | 230 VAC                    | 60                                       | 350                                       | - |
| DS3-S1/10N-A24-50K1   | NG-6           | 24 VAC                     | 60                                       | 350                                       | - |
| DS3-S1/10N-A48-50K1   | NG-6           | 48 VAC                     | 60                                       | 350                                       | - |
| DS3-S1/10N-D12K1      | NG-6           | 12 VDC                     | 60                                       | 350                                       | - |
| DS3-S1/10N-D24K1      | NG-6           | 24 VDC                     | 60                                       | 350                                       | - |
| DS3-S1/10N-D48K1      | NG-6           | 48 VDC                     | 60                                       | 350                                       | - |

## Electroválvula NG6 - corredera S2

Solenoid valve NG6 - spool S2

Electro-distributeurs NG6 - tiroir S2

Elettrovalvola NG6 - cursore S2



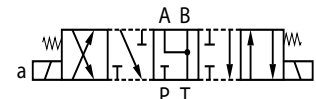
| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-S2/10N-A110-50K1  | NG-6           | 110 VAC                    | 60                                       | 350                                       | - |
| DS3-S2/10N-A230-50K1  | NG-6           | 230 VAC                    | 60                                       | 350                                       | - |
| DS3-S2/10N-A24-50K1   | NG-6           | 24 VAC                     | 60                                       | 350                                       | - |
| DS3-S2/10N-A48-50K1   | NG-6           | 48 VAC                     | 60                                       | 350                                       | - |
| DS3-S2/10N-D12K1      | NG-6           | 12 VDC                     | 60                                       | 350                                       | - |
| DS3-S2/10N-D24K1      | NG-6           | 24 VDC                     | 60                                       | 350                                       | - |
| DS3-S2/10N-D48K1      | NG-6           | 48 VDC                     | 60                                       | 350                                       | - |

## Electroválvula NG6 - corredera S3

Solenoid valve NG6 - spool S3

Electro-distributeurs NG6 - tiroir S3

Elettrovalvola NG6 - cursore S3



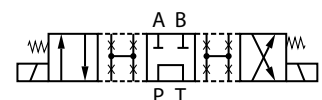
| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-S3/10N-A110-50K1  | NG-6           | 110 VAC                    | 60                                       | 350                                       | - |
| DS3-S3/10N-A230-50K1  | NG-6           | 230 VAC                    | 60                                       | 350                                       | - |
| DS3-S3/10N-A24-50K1   | NG-6           | 24 VAC                     | 60                                       | 350                                       | - |
| DS3-S3/10N-A48-50K1   | NG-6           | 48 VAC                     | 60                                       | 350                                       | - |
| DS3-S3/10N-D12K1      | NG-6           | 12 VDC                     | 60                                       | 350                                       | - |
| DS3-S3/10N-D24K1      | NG-6           | 24 VDC                     | 60                                       | 350                                       | - |
| DS3-S3/10N-D48K1      | NG-6           | 48 VDC                     | 60                                       | 350                                       | - |

## Electroválvula NG6 - corredera S4

NG6 Solenoid valve - spool S4

Electro-distributeurs NG6 - tiroir S4

Elettrovalvola NG6 - cursore S4



| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-S4/10N-A110-50K1  | NG-6           | 110 VAC                    | 40                                       | 350                                       | - |
| DS3-S4/10N-A230-50K1  | NG-6           | 230 VAC                    | 40                                       | 350                                       | - |
| DS3-S4/10N-A24-50K1   | NG-6           | 24 VAC                     | 40                                       | 350                                       | - |
| DS3-S4/10N-A48-50K1   | NG-6           | 48 VAC                     | 40                                       | 350                                       | - |
| DS3-S4/10N-D12K1      | NG-6           | 12 VDC                     | 40                                       | 350                                       | - |
| DS3-S4/10N-D24K1      | NG-6           | 24 VDC                     | 40                                       | 350                                       | - |
| DS3-S4/10N-D48K1      | NG-6           | 48 VDC                     | 40                                       | 350                                       | - |

# ELECTROVÁLVULAS

Solenoid valve  
Électrovalve  
Elettrovalvole

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

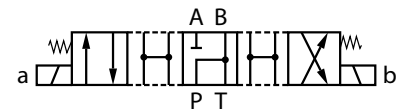
ACCESSORIES

MINI POWER PACKS

## Electroválvula NG6 - corredera S8



NG6 Solenoid valve- spool S8  
Electro-distributeurs NG6 - tiroir S8  
Elettrovalvola NG6 - cursore S8



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-S8/10N-A110-50K1  | NG-6           | 110 VAC                    | 50                                       | 350                                       | - |
| DS3-S8/10N-A230-50K1  | NG-6           | 230 VAC                    | 50                                       | 350                                       | - |
| DS3-S8/10N-A24-50K1   | NG-6           | 24 VAC                     | 50                                       | 350                                       | - |
| DS3-S8/10N-A48-50K1   | NG-6           | 48 VAC                     | 50                                       | 350                                       | - |
| DS3-S8/10N-D12K1      | NG-6           | 12 VDC                     | 50                                       | 350                                       | - |
| DS3-S8/10N-D24K1      | NG-6           | 24 VDC                     | 50                                       | 350                                       | - |
| DS3-S8/10N-D48K1      | NG-6           | 48 VDC                     | 50                                       | 350                                       | - |

## Electroválvula NG6 - corredera TA



NG6 Solenoid valve - spool TA  
Electro-distributeurs NG6 - tiroir TA  
Elettrovalvola NG6 - cursore TA



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-TA/10N-A110-50K1  | NG-6           | 110 VAC                    | 60                                       | 350                                       | - |
| DS3-TA/10N-A230-50K1  | NG-6           | 230 VAC                    | 60                                       | 350                                       | - |
| DS3-TA/10N-A24-50K1   | NG-6           | 24 VAC                     | 60                                       | 350                                       | - |
| DS3-TA/10N-A48-50K1   | NG-6           | 48 VAC                     | 60                                       | 350                                       | - |
| DS3-TA/10N-D12K1      | NG-6           | 12 VDC                     | 60                                       | 350                                       | - |
| DS3-TA/10N-D24K1      | NG-6           | 24 VDC                     | 60                                       | 350                                       | - |
| DS3-TA/10N-D48K1      | NG-6           | 48 VDC                     | 60                                       | 350                                       | - |

## Electroválvula NG6 - corredera SA2



NG6 Solenoid valve - spool SA2  
Electro-distributeurs NG6 - tiroir SA2  
Elettrovalvola NG6 - cursore SA2

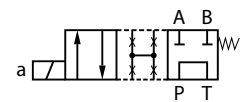


| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-SA2/10N-A110-50K1 | NG-6           | 110 VAC                    | 60                                       | 350                                       | - |
| DS3-SA2/10N-A230-50K1 | NG-6           | 230 VAC                    | 60                                       | 350                                       | - |
| DS3-SA2/10N-A24-50K1  | NG-6           | 24 VAC                     | 60                                       | 350                                       | - |
| DS3-SA2/10N-A48-50K1  | NG-6           | 48 VAC                     | 60                                       | 350                                       | - |
| DS3-SA2/10N-D12K1     | NG-6           | 12 VDC                     | 60                                       | 350                                       | - |
| DS3-SA2/10N-D24K1     | NG-6           | 24 VDC                     | 60                                       | 350                                       | - |
| DS3-SA2/10N-D48K1     | NG-6           | 48 VDC                     | 60                                       | 350                                       | - |

## Electroválvula NG6 - corredera SA4



NG6 Solenoid valve - spool SA4  
Electro-distributeurs NG6 - tiroir SA4  
Elettrovalvola NG6 - cursore SA4



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-SA4/10N-A230K1    | NG-6           | 230 VAC                    | 40                                       | 350                                       | - |
| DS3-SA4/10N-D24K1     | NG-6           | 24 VDC                     | 40                                       | 350                                       | - |



# ELECTROVÁLVULAS

Solenoid valve

Électrovalve

Elettrovalvole

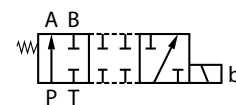


## Electroválvula NG6 - corredera TB23

NG6 Solenoid valve - spool TB23

Electro-distributeurs NG6 - tiroir TB23

Elettrovalvola NG6 - cursore TB23



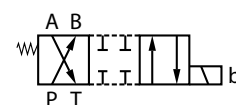
| Part n°<br>Referencia  | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|------------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-TB23/10N-A110-50K1 | NG-6           | 110 VAC                    | 60                                       | 350                                       | - |
| DS3-TB23/10N-A230-50K1 | NG-6           | 230 VAC                    | 60                                       | 350                                       | - |
| DS3-TB23/10N-A24-50K1  | NG-6           | 24 VAC                     | 60                                       | 350                                       | - |
| DS3-TB23/10N-A48-50K1  | NG-6           | 48 VAC                     | 60                                       | 350                                       | - |
| DS3-TB23/10N-D12K1     | NG-6           | 12 VDC                     | 60                                       | 350                                       | - |
| DS3-TB23/10N-D24K1     | NG-6           | 24 VDC                     | 60                                       | 350                                       | - |
| DS3-TB23/10N-D48K1     | NG-6           | 48 VDC                     | 60                                       | 350                                       | - |

## Electroválvula NG6 - corredera TB

NG6 Solenoid valve - spool TB

Electro-distributeurs NG6 - tiroir TB

Elettrovalvola NG6 - cursore TB



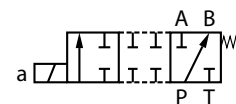
| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-TB/10N-A110-50K1  | NG-6           | 110 VAC                    | 60                                       | 350                                       | - |
| DS3-TB/10N-A230-50K1  | NG-6           | 230 VAC                    | 60                                       | 350                                       | - |
| DS3-TB/10N-A24-50K1   | NG-6           | 24 VAC                     | 60                                       | 350                                       | - |
| DS3-TB/10N-A48-50K1   | NG-6           | 48 VAC                     | 60                                       | 350                                       | - |
| DS3-TB/10N-D12K1      | NG-6           | 12 VDC                     | 60                                       | 350                                       | - |
| DS3-TB/10N-D24K1      | NG-6           | 24 VDC                     | 60                                       | 350                                       | - |
| DS3-TB/10N-D48K1      | NG-6           | 48 VDC                     | 60                                       | 350                                       | - |

## Electroválvula NG6 - corredera TA23

NG6 Solenoid valve- spool TA23

Electro-distributeurs NG6 - tiroir TA23

Elettrovalvola NG6 - cursore TA23



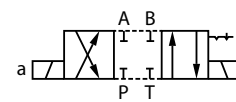
| Part n°<br>Referencia  | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|------------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-TA23/10N-A110-50K1 | NG-6           | 110 VAC                    | 60                                       | 350                                       | - |
| DS3-TA23/10N-A230-50K1 | NG-6           | 230 VAC                    | 60                                       | 350                                       | - |
| DS3-TA23/10N-A24-50K1  | NG-6           | 24 VAC                     | 60                                       | 350                                       | - |
| DS3-TA23/10N-A48-50K1  | NG-6           | 48 VAC                     | 60                                       | 350                                       | - |
| DS3-TA23/10N-D12K1     | NG-6           | 12 VDC                     | 60                                       | 350                                       | - |
| DS3-TA23/10N-D24K1     | NG-6           | 24 VDC                     | 60                                       | 350                                       | - |
| DS3-TA23/10N-D48K1     | NG-6           | 48 VDC                     | 60                                       | 350                                       | - |

## Electroválvula NG6 - corredera RK

NG6 Solenoid valve - spool RK

Electro-distributeurs NG6 - tiroir RK

Elettrovalvola NG6 - cursore RK



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS3-RK/10N-A230-50K1  | NG-6           | 220 VAC                    | 60                                       | 350                                       | - |
| DS3-RK/10N-D24K1      | NG-6           | 24 VDC                     | 60                                       | 350                                       | - |

# ELECTROVÁLVULAS

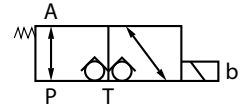
Solenoid valve  
Électrovalve  
Elettrovalvole

PUMPS

## Válvula de retención - corredera 3A



Poppet NG6 solenoid valve - spool 3A  
Valve de rétention NG6 - tiroir 3A  
Valvola di ritegno - cursore 3A

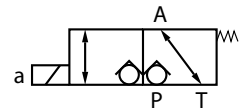


| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DT03-3A/10-110RAC     | NG-6           | 110 RAC                    | 25                                       | 250                                       | - |
| DT03-3A/10-12VCC      | NG-6           | 12 VCC                     | 25                                       | 250                                       | - |
| DT03-3A/10-220RAC     | NG-6           | 220 RAC                    | 25                                       | 250                                       | - |
| DT03-3A/10-24VCC      | NG-6           | 24 VCC                     | 25                                       | 250                                       | - |

## Válvula de retención - corredera 3C



Poppet NG6 solenoid valve - spool 3C  
Valve de rétention NG6 - tiroir 3C  
Valvola di ritegno - cursore 3C



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DT03-3C/10-110RAC     | NG-6           | 110 RAC                    | 25                                       | 250                                       | - |
| DT03-3C/10-12VCC      | NG-6           | 12 VCC                     | 25                                       | 250                                       | - |
| DT03-3C/10-220RAC     | NG-6           | 220 RAC                    | 25                                       | 250                                       | - |
| DT03-3C/10-24VCC      | NG-6           | 24 VCC                     | 25                                       | 250                                       | - |

## Bobinas corriente continua para DS3



DS3 solenoid (direct current)  
Bobines courant continu pour DS3  
Bobine corrente continua per DS3

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | DIRECT. VALVE<br>ELECTROVÁLVULA | € |
|-----------------------|----------------------------|---------------------------|---------------------------------|---|
| C22-D12K1/10          | 12 VDC                     | 32,7                      | DS3                             | - |
| C22-D24K1/10          | 24 VDC                     | 31                        | DS3                             | - |
| C22-D48K1/10          | 48 VDC                     | 29,5                      | DS3                             | - |

## Bobinas corriente alterna para DS3



DS3 solenoid (alternative current)  
Bobines courant alternatif pour DS3  
Bobine corrente alternata per DS3

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | DIRECT. VALVE<br>ELECTROVÁLVULA | € |
|-----------------------|----------------------------|---------------------------------|---|
| C20.6-A110-50K1/10    | 110 VAC                    | DS3                             | - |
| C20.6-A230-50K1/10    | 230 VAC                    | DS3                             | - |
| C20.6-A24-50K1/10     | 24 VAC                     | DS3                             | - |
| C20.6-A48-50K1/10     | 48 VAC                     | DS3                             | - |

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

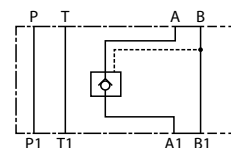
MINI POWER PACKS

# ELECTROVÁLVULAS

Solenoid valve  
Électrovalve  
Elettrovalvole

## Válvula antirretorno simple pilotaje interno NG6 -A

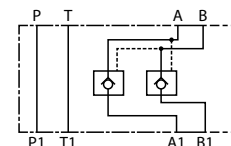
Pilot operated single check valve NG6 -A  
Clapet anti-retour simple pilotage interne NG6 -A  
Valvola di blocco pilotaggio semplice interno NG6-A



| Part n°<br>Referencia | Size<br>Tamaño | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|-------------------------------------------|----------------------------|---|
| CHM3-SA-10N/W7        | NG-6           | 350                                       | A                          | - |

## Válvula antirretorno doble pilotaje interno NG6

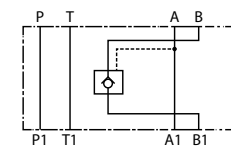
Pilot operated double check valve NG6  
Clapet anti-retour double pilotage interne NG6  
Valvola di blocco pilotaggio doppio interno NG6-A



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|-------------------------------------------|----------------------------|---|
| CHM3-D-10N/W7         | NG-6           | 350                                       | A - B                      | - |

## Válvula antirretorno simple pilotaje interno NG6 -B

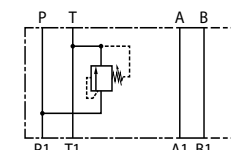
Pilot operated single check valve NG6 -B  
Clapet anti-retour simple pilotage interne NG6 -B  
Valvola di blocco pilotaggio semplice interno NG6-B



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|-------------------------------------------|----------------------------|---|
| CHM3-SB-10N/W7        | NG-6           | 350                                       | B                          | - |

## Limitadora en P - descarga en T

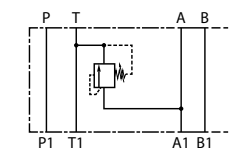
NG6 relief valve in P discharge in T  
Valve NG6 limiteur de pression sur P décharge sur T  
Valvola limitatrice di pressione in P - con scarico in T



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|-------------------------------------------|-------------------------------------|---|
| PRM3-PT070/10N/S/W7   | NG-6           | 350                                       | 0 - 70                              | - |
| PRM3-PT140/10N/S/W7   | NG-6           | 350                                       | 0 - 140                             | - |
| PRM3-PT210/10N/S/W7   | NG-6           | 350                                       | 0 - 210                             | - |
| PRM3-PT350/10N/S/W7   | NG-6           | 350                                       | 0 - 350                             | - |

## Limitadora simple en A - descarga en T

NG6 relief valve in A discharge in T  
Valve NG6 limiteur de pression sur A décharge sur T  
Valvola limitatrice di pressione semplice in A - con scarico in T



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|-------------------------------------------|-------------------------------------|---|
| PRM3-AT070/10N/K/W7   | NG-6           | 350                                       | 0 - 70                              | - |
| PRM3-AT070/10N/S/W7   | NG-6           | 350                                       | 0 - 70                              | - |
| PRM3-AT140/10N/S/W7   | NG-6           | 350                                       | 0 - 140                             | - |
| PRM3-AT210/10N/S/W7   | NG-6           | 350                                       | 0 - 210                             | - |
| PRM3-AT350/10N/S/W7   | NG-6           | 350                                       | 0 - 350                             | - |

# ELECTROVÁLVULAS

Solenoid valve  
Électrovalve  
Elettrovalvole

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

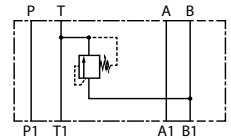


## Limitadora simple en B - descarga en T

NG6 relief valve in B discharge in T

Valve NG6 limiteur de pression sur B décharge sur T

Valvola limitatrice di pressione semplice in B - con scarico in T



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|-------------------------------------------|-------------------------------------|---|
| PRM3-BT070/10N/S/W7   | NG-6           | 350                                       | 0 - 70                              | - |
| PRM3-BT140/10N/S/W7   | NG-6           | 350                                       | 0 - 140                             | - |
| PRM3-BT210/10N/S/W7   | NG-6           | 350                                       | 0 - 210                             | - |
| PRM3-BT350/10N/S/W7   | NG-6           | 350                                       | 0 - 350                             | - |

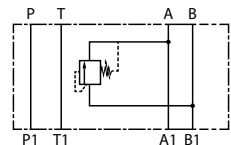


## Limitadora simple en B - descarga en A

NG6 relief valve in B discharge in A

Valve NG6 limiteur de pression sur B décharge sur A

Valvola limitatrice di pressione semplice in B - con scarico in A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|-------------------------------------------|-------------------------------------|---|
| PRM3-BA070/10N/S/W7   | NG-6           | 350                                       | 0 - 70                              | - |
| PRM3-BA140/10N/S/W7   | NG-6           | 350                                       | 0 - 140                             | - |
| PRM3-BA210/10N/S/W7   | NG-6           | 350                                       | 0 - 210                             | - |
| PRM3-BA350/10N/S/W7   | NG-6           | 350                                       | 0 - 350                             | - |

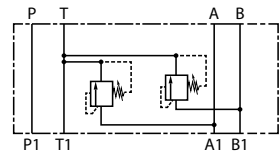


## Limitadora doble en A y B - descarga en T

NG6 double relief valve in A & B discharge in T

Valve NG6 limiteur de pression double A et B décharge sur T

Valvola limitatrice di pressione doppia sulle vie A-B con scarico in T



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|-------------------------------------------|-------------------------------------|---|
| PRM3-DT070/10N/S/W7   | NG-6           | 350                                       | 0 - 70                              | - |
| PRM3-DT140/10N/S/W7   | NG-6           | 350                                       | 0 - 140                             | - |
| PRM3-DT210/10N/S/W7   | NG-6           | 350                                       | 0 - 210                             | - |
| PRM3-DT350/10N/S/W7   | NG-6           | 350                                       | 0 - 350                             | - |

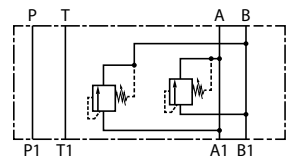


## Limitadora doble en A y B - descarga cruzada

NG6 double relief valve in A & B crossed discharge

Valve NG6 limiteur de pression double A et B décharge croisée

Valvola limitatrice di pressione doppia sulle vie A-B con scarichi incrociati



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|-------------------------------------------|-------------------------------------|---|
| PRM3-D070/10N/S/W7    | NG-6           | 350                                       | 0 - 70                              | - |
| PRM3-D140/10N/S/W7    | NG-6           | 350                                       | 0 - 140                             | - |
| PRM3-D210/10N/S/W7    | NG-6           | 350                                       | 0 - 210                             | - |
| PRM3-D350/10N/S/W7    | NG-6           | 350                                       | 0 - 350                             | - |

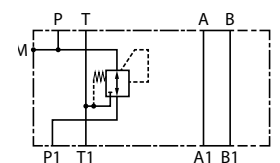


## Reductora de presión en P

NG6 pressure reducing valve in P

Valve NG6 réductrice de pression sur P

Riduttrice di pressione in P



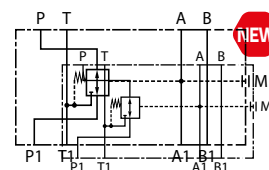
| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|-------------------------------------------|-------------------------------------|---|
| PZM3-P035/10N/S/W7    | NG-6           | 350                                       | 3 - 35                              | - |
| PZM3-P070/10N/S/W7    | NG-6           | 350                                       | 10 - 70                             | - |
| PZM3-P140/10N/S/W7    | NG-6           | 350                                       | 30 - 140                            | - |
| PZM3-P280/10N/S/W7    | NG-6           | 350                                       | 60 - 280                            | - |

# ELECTROVÁLVULAS

Solenoid valve  
Électrovalve  
Elettrovalvole

## Reductora de presión en A

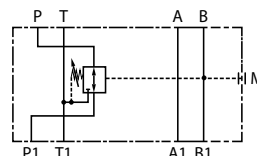
NG6 pressure reducing valve in A  
Valve NG6 réductrice de pression sur A  
Riduttrice di pressione in A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|-------------------------------------------|-------------------------------------|---|
| PZM3-PA035/10N/S/W7   | NG-6           | 350                                       | 3 - 35                              | - |
| PZM3-PA070/10N/S/W7   | NG-6           | 350                                       | 10 - 70                             | - |
| PZM3-PA140/10N/S/W7   | NG-6           | 350                                       | 30 - 140                            | - |
| PZM3-PA280/10N/S/W7   | NG-6           | 350                                       | 60 - 280                            | - |

## Reductora de presión en B

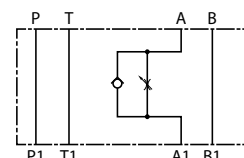
NG6 pressure reducing valve in B  
Valve NG6 réductrice de pression sur B  
Riduttrice di pressione in B



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|-------------------------------------------|-------------------------------------|---|
| PZM3-PB035/10N/S/W7   | NG-6           | 350                                       | 3 - 35                              | - |
| PZM3-PB070/10N/S/W7   | NG-6           | 350                                       | 10 - 70                             | - |
| PZM3-PB140/10N/S/W7   | NG-6           | 350                                       | 30 - 140                            | - |
| PZM3-PB280/10N/S/W7   | NG-6           | 350                                       | 60 - 280                            | - |

## Válvula reguladora de caudal simple unidirec. NG6 -toma A - salida

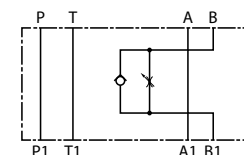
Unidirectional flow restrictor valve in A line NG-6  
Étrangleur de débit unidirectionnel sur ligne A, NG-6  
Valvola regolatrice di portata semplice unidirezionale NG 6 - presa A - uscita



| Part n°<br>Referencia | SIZE<br>TAMAÑO | DIRECTION<br>SENTIDO | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|----------------------|----------------------------|---|
| QTM3-SA/10N/S/W7      | NG-6           | salida / exit        | A                          | - |

## Válvula reguladora de caudal simple unidirec. NG6 -toma B - salida

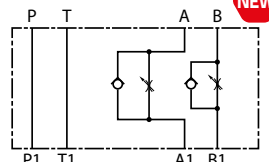
Unidirectional flow restrictor valve in B line NG-6  
Étrangleur de débit unidirectionnel sur ligne B, NG6  
Valvola regolatrice di portata semplice unidirezionale NG 6 - presa B - uscita



| Part n°<br>Referencia | SIZE<br>TAMAÑO | DIRECTION<br>SENTIDO | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|----------------------|----------------------------|---|
| QTM3-SB/10N/S/W7      | NG-6           | Salida / Exit        | B                          | - |

## Válvula reguladora de caudal doble unidirec. NG6 - salida

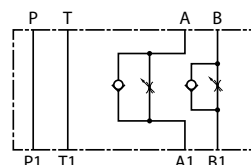
NG6 Unidirectional flow restrictor valve in A & B lines way out  
Étrangleur de débit unidirectionnel sur lignes A et B, NG-6 descente  
Valvola regolatrice di portata doppia unidirezionale NG 6 - uscita



| Part n°<br>Referencia | SIZE<br>TAMAÑO | DIRECTION<br>SENTIDO                                   | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|--------------------------------------------------------|----------------------------|---|
| QTM3-D/10N/S/W7       | NG-6           | Control in lines A and B / Control en las líneas A y B | A - B                      | - |

## Válvula reguladora de caudal doble unidirec. NG6 - entrada

NG6 Unidirectional flow restrictor valve in A & B lines way in  
Étrangleur de débit unidirectionnel sur lignes A et B, NG-6 monté  
Valvola regolatrice di portata doppia unidirezionale NG 6 - entrata



| Part n°<br>Referencia | SIZE<br>TAMAÑO | DIRECTION<br>SENTIDO | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|----------------------|----------------------------|---|
| QTM3-RD/10N/S/W7      | NG-6           | Entrada / Entry      | A - B                      | - |

# ELECTROVÁLVULAS

Solenoid valve  
Électrovalve  
Elettrovalvole

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

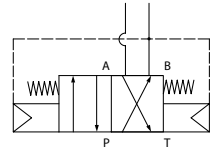
ACCESSORIES

MINI POWER PACKS



## Válvula inversora NG6

NG6 self-reversing valve  
Valve à inversion automatique NG6  
Valvola ad inversione automatica NG 6

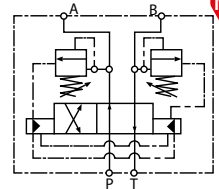


| Part n°<br>Referencia | Min. Press. (bar)<br>Presión Min (bar) | Max. Press. (bar)<br>Pres. max. (bar) | Min. flow (l/min)<br>Caudal mín. (l/min) | FLOW MAX (l/min)<br>CAUDAL MAX (l/min) | € |
|-----------------------|----------------------------------------|---------------------------------------|------------------------------------------|----------------------------------------|---|
| <b>DSB3-RTA/10N</b>   | 50                                     | 350                                   | 3                                        | 30                                     | - |



## Válvula inversora por presión

NG6 reversing valve by pressure  
Valve NG6 d'inversion par pression  
Valvola di inversione di pressione



| Part n°<br>Referencia | Min. Press. (bar)<br>Presión Min (bar) | Max. Press. (bar)<br>Pres. max. (bar) | Min. flow (l/min)<br>Caudal mín. (l/min) | FLOW MAX (l/min)<br>CAUDAL MAX (l/min) | € |
|-----------------------|----------------------------------------|---------------------------------------|------------------------------------------|----------------------------------------|---|
| <b>VSIAL6VM10</b>     | 20                                     | 100                                   | 3                                        | 35                                     | - |
| <b>VSIAL6VM20</b>     | 85                                     | 260                                   | 3                                        | 35                                     | - |

# ELECTROVÁLVULAS

Solenoid valve

Électrovalve

Elettrovalvole



## Placas base NG6 para 1 electroválvula, tomas laterales - sin limitadora

Subplates for a directional valve NG6- side ports- without relief valve

Embase NG6 pour 1 électro. orifices dans le côté sans limiteur de pression

Piastra di base NG6 per 1 elettrov., presa laterale, senza limitatrice

| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMANO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | OIL PORTS A-B-P-T<br>TOMAS A-B-P-T | € |
|-----------------------|-----------------|----------------|-------------------------------------------|------------------------------------|---|
| PBKV-6-38TL           | 3/8" BSP        | NG-6           | 350                                       | Laterales/Side                     | - |



## Placas base NG6 para 1 electroválvula, tomas verticales - sin limitadora

Subplates for a directional valve NG6-vertical ports- without relief valve

Embase NG6 pour 1 électro. orifices verticaux sans limiteur de pression

Piastra di base NG6 per 1 elettrov., presa verticale, senza limitatrice

| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMANO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------|----------------|-------------------------------------------|----------------------------|---|
| PBKV-6-38TV           | 3/8" BSP        | NG-6           | 350                                       | Vertical                   | - |



# ELECTROVÁLVULAS

Solenoid valve  
Électrovalve  
Elettrovalvole

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

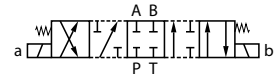
MINI POWER PACKS

## Electroválvula NG10- corredera S1

NG10 Solenoid valve - spool S1

Electro. NG10- tiroir S1

Elettrovalvola NG 10 - cursore S1



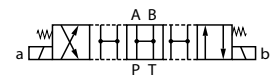
| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS5-S1/11N-A110-50K1  | NG-10          | 110 VAC                    | 120                                      | 320                                       | - |
| DS5-S1/11N-A230-50K1  | NG-10          | 220 VAC                    | 120                                      | 320                                       | - |
| DS5-S1/11N-A24-50K1   | NG-10          | 24 VAC                     | 120                                      | 320                                       | - |
| DS5-S1/11N-A48-50K1   | NG-10          | 48 VAC                     | 120                                      | 320                                       | - |
| DS5-S1/11N-D12K1      | NG-10          | 12 VDC                     | 120                                      | 320                                       | - |
| DS5-S1/11N-D24K1      | NG-10          | 24 VDC                     | 120                                      | 320                                       | - |
| DS5-S1/11N-D48K1      | NG-10          | 48 VDC                     | 120                                      | 320                                       | - |

## Electroválvula NG10- corredera S2

NG10 Solenoid valve - spool S2

Electro. NG10- tiroir S2

Elettrovalvola NG 10 - cursore S2



| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS5-S2/11N-A110-50K1  | NG-10          | 110 VAC                    | 120*                                     | 320                                       | - |
| DS5-S2/11N-A230-50K1  | NG-10          | 220 VAC                    | 120*                                     | 320                                       | - |
| DS5-S2/11N-A24-50K1   | NG-10          | 24 VAC                     | 120*                                     | 320                                       | - |
| DS5-S2/11N-A48-50K1   | NG-10          | 48 VAC                     | 120*                                     | 320                                       | - |
| DS5-S2/11N-D12K1      | NG-10          | 12 VDC                     | 120*                                     | 320                                       | - |
| DS5-S2/11N-D24K1      | NG-10          | 24 VDC                     | 120*                                     | 320                                       | - |
| DS5-S2/11N-D48K1      | NG-10          | 48 VDC                     | 120*                                     | 320                                       | - |

Ver gráficos en documentación técnica / Working range on technical data sheet / Plage de travail dans la fiche technique / Consulta i grafici nella scheda tecnica

## Electroválvula NG10- corredera S3

NG10 Solenoid valve - spool S3

Electro. NG10- tiroir S3

Elettrovalvola NG 10 - cursore S3



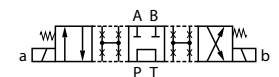
| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS5-S3/11N-A110-50K1  | NG-10          | 110 VAC                    | 120                                      | 320                                       | - |
| DS5-S3/11N-A230-50K1  | NG-10          | 220 VAC                    | 120                                      | 320                                       | - |
| DS5-S3/11N-A24-50K1   | NG-10          | 24 VAC                     | 120                                      | 320                                       | - |
| DS5-S3/11N-A48-50K1   | NG-10          | 48 VAC                     | 120                                      | 320                                       | - |
| DS5-S3/11N-D12K1      | NG-10          | 12 VDC                     | 120                                      | 320                                       | - |
| DS5-S3/11N-D24K1      | NG-10          | 24 VDC                     | 120                                      | 320                                       | - |
| DS5-S3/11N-D48K1      | NG-10          | 48 VDC                     | 120                                      | 320                                       | - |

## Electroválvula NG10- corredera S4

NG10 Solenoid valve - spool S4

Electro. NG10- tiroir S4

Elettrovalvola NG 10 - cursore S4



| Part n°<br>Referencia | SIZE<br>TAMAÑO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS5-S4/11N-A110-50K1  | NG-10          | 110 VAC                    | 120*                                     | 320                                       | - |
| DS5-S4/11N-A230-50K1  | NG-10          | 220 VAC                    | 120*                                     | 320                                       | - |
| DS5-S4/11N-A48-50K1   | NG-10          | 48 VAC                     | 120*                                     | 320                                       | - |
| DS5-S4/11N-D12K1      | NG-10          | 12 VDC                     | 120*                                     | 320                                       | - |
| DS5-S4/11N-D24K1      | NG-10          | 24 VDC                     | 120*                                     | 320                                       | - |
| DS5-S4/11N-D48K1      | NG-10          | 48 VDC                     | 120*                                     | 320                                       | - |

Ver gráficos en documentación técnica / Working range on technical data sheet / Plage de travail dans la fiche technique / Consulta i grafici nella scheda tecnica

# ELECTROVÁLVULAS

Solenoid valve

Électrovalve

Elettrovalvole

## Electroválvula NG10- corredera TA

NG10 Solenoid valve - spool TA

Electro. NG10- tiroir TA

Elettrovalvola NG 10 - cursore TA



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAGE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS5-TA/11N-A110-50K1  | NG-10          | 110 VAC                    | 120                                      | 320                                       | - |
| DS5-TA/11N-A230-50K1  | NG-10          | 220 VAC                    | 120                                      | 320                                       | - |
| DS5-TA/11N-A24-50K1   | NG-10          | 24 VAC                     | 120                                      | 320                                       | - |
| DS5-TA/11N-A48-50K1   | NG-10          | 48 VAC                     | 120                                      | 320                                       | - |
| DS5-TA/11N-D12K1      | NG-10          | 12 VDC                     | 120                                      | 320                                       | - |
| DS5-TA/11N-D24K1      | NG-10          | 24 VDC                     | 120                                      | 320                                       | - |
| DS5-TA/11N-D48K1      | NG-10          | 48 VDC                     | 120                                      | 320                                       | - |

## Electroválvula NG10- corredera SA2

NG10 Solenoid valve - spool SA2

Electro. NG10- tiroir SA2

Elettrovalvola NG 10 - cursore SA2



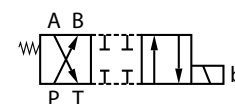
| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAGE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS5-SA2/11N-A110-50K1 | NG-10          | 110 VAC                    | 120                                      | 320                                       | - |
| DS5-SA2/11N-A230-50K1 | NG-10          | 220 VAC                    | 120                                      | 320                                       | - |
| DS5-SA2/11N-A24-50K1  | NG-10          | 24 VAC                     | 120                                      | 320                                       | - |
| DS5-SA2/11N-A48-50K1  | NG-10          | 48 VAC                     | 120                                      | 320                                       | - |
| DS5-SA2/11N-D12K1     | NG-10          | 12 VDC                     | 120                                      | 320                                       | - |
| DS5-SA2/11N-D24K1     | NG-10          | 24 VDC                     | 120                                      | 320                                       | - |
| DS5-SA2/11N-D48K1     | NG-10          | 48 VDC                     | 120                                      | 320                                       | - |

## Electroválvula NG10- corredera TB

NG10 Solenoid valve - spool TB

Electro. NG10- tiroir TB

Elettrovalvola NG 10 - cursore TB



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAGE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DS5-TB/11N-A110-50K1  | NG-10          | 110 VAC                    | 120                                      | 320                                       | - |
| DS5-TB/11N-A230-50K1  | NG-10          | 220 VAC                    | 120                                      | 320                                       | - |
| DS5-TB/11N-A24-50K1   | NG-10          | 24 VAC                     | 120                                      | 320                                       | - |
| DS5-TB/11N-A48-50K1   | NG-10          | 48 VAC                     | 120                                      | 320                                       | - |
| DS5-TB/11N-D12K1      | NG-10          | 12 VDC                     | 120                                      | 320                                       | - |
| DS5-TB/11N-D24K1      | NG-10          | 24 VDC                     | 120                                      | 320                                       | - |
| DS5-TB/11N-D48K1      | NG-10          | 48 VDC                     | 120                                      | 320                                       | - |

## Electroválvula NG10 compacta- corredera S1

NG10 Compact solenoid valve -spool S1

Electro. NG10 compacte-tiroir S1

Elettrovalvola direzionale compatta a comando diretto NG 10 - cursore S1



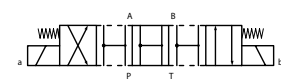
| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAGE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DL5B-S1/10N-D12K1     | NG-10          | 12 VDC                     | 125                                      | 320                                       | - |
| DL5B-S1/10N-D24K1     | NG-10          | 24 VDC                     | 125                                      | 320                                       | - |

## Electroválvula NG10 compacta- corredera S2

NG10 Compact solenoid valve -spool S2

Electro. NG10 compacte-tiroir S2

Elettrovalvola direzionale compatta a comando diretto NG 10 - cursore S2



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAGE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| DL5B-S2/10N-D12K1     | NG-10          | 12 VDC                     | 125                                      | 320                                       | - |
| DL5B-S2/10N-D24K1     | NG-10          | 24 VDC                     | 125                                      | 320                                       | - |

# ELECTROVÁLVULAS

Solenoid valve  
Électrovalve  
Elettrovalvole

PUMPS

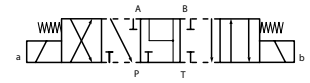
## Electroválvula NG10 compacta- corredera S3



NG10 Compact solenoid valve -spool S3

Electro.NG10 compacte-tiroir S3

Elettrovalvola direzionale compatta a comando diretto NG 10 - cursore S3



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|-----------------------------------------|-------------------------------------------|---|
| DL5B-S3/10N-D12K1     | NG-10          | 12 VDC                     | 125                                     | 320                                       | - |
| DL5B-S3/10N-D24K1     | NG-10          | 24 VDC                     | 125                                     | 320                                       | - |

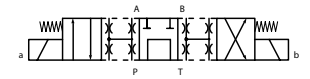
## Electroválvula NG10 compacta- corredera S4



NG10 Compact solenoid valve -spool S4

Electro.NG10 compacte-tiroir S4

Elettrovalvola direzionale compatta a comando diretto NG 10 - cursore S4



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|-----------------------------------------|-------------------------------------------|---|
| DL5B-S4/10N-D12K1     | NG-10          | 12 VDC                     | 125                                     | 320                                       | - |
| DL5B-S4/10N-D24K1     | NG-10          | 24 VDC                     | 125                                     | 320                                       | - |

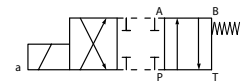
## Electroválvula NG10 compacta- corredera TA



NG10 Compact solenoid valve -spool TA

Electro.NG10 compacte-tiroir TA

Elettrovalvola direzionale compatta a comando diretto NG 10 - cursore TA



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|-----------------------------------------|-------------------------------------------|---|
| DL5B-TA/10N-D12K1     | NG-10          | 12 VDC                     | 125                                     | 320                                       | - |
| DL5B-TA/10N-D24K1     | NG-10          | 24 VDC                     | 125                                     | 320                                       | - |

## Electroválvula NG10 compacta- corredera SA2



NG10 Compact solenoid valve -spool SA2

Electro.NG10 compacte-tiroir SA2

Elettrovalvola direzionale compatta a comando diretto NG 10 - cursore SA2



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|-----------------------------------------|-------------------------------------------|---|
| DL5B-SA2/10N-D12K1    | NG-10          | 12 VDC                     | 125                                     | 320                                       | - |
| DL5B-SA2/10N-D24K1    | NG-10          | 24 VDC                     | 125                                     | 320                                       | - |

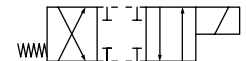
## Electroválvula NG10 compacta- corredera TB



NG10 Compact solenoid valve -spool TB

Electro.NG10 compacte-tiroir TB

Elettrovalvola direzionale compatta a comando diretto NG 10 - cursore TB



| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------|----------------------------|-----------------------------------------|-------------------------------------------|---|
| DL5B-TB/10N-D12K1     | NG-10          | 12 VDC                     | 125                                     | 320                                       | - |
| DL5B-TB/10N-D24K1     | NG-10          | 24 VDC                     | 125                                     | 320                                       | - |

## Bobinas corriente continua para DS5/11N



DS5/11N solenoid (direct current)

Bobines courant continu pour DS5/11N

Bobine corrente continua per DS5/11N

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | € |
|-----------------------|----------------------------|---------------------------|---|
| C31-D12K1/20          | 12 VDC                     | 32.7                      | - |
| C31-D24K1/20          | 24 VDC                     | 31                        | - |
| C31-D48K1/20          | 48 VDC                     | 29.5                      | - |

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

# ELECTROVÁLVULAS

Solenoid valve  
Électrovalve  
Elettrovalvole

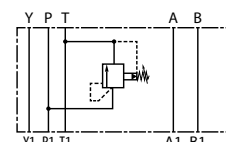
## Bobinas corriente alterna para DS5/NG10

DS5/NG10 solenoid (alternative current)  
Bobines courant alternatif pour DS5/NG10  
Bobine corrente alternata per DS5/NG 10

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAGE (V) | POWER (W)<br>POTENCIA (W) | € |
|-----------------------|----------------------------|---------------------------|---|
| C25.4-A24-50K1/11     | 24 VAC                     | 95                        | - |
| C25.4-A110-50K1/10    | 110 VAC                    | 95                        | - |
| C25.4-A230-50K1/10    | 230 VAC                    | 105                       | - |
| C25.4-A48-50K1/10     | 48 VAC                     | 110                       | - |

## Limitadora simple en P - descarga en T

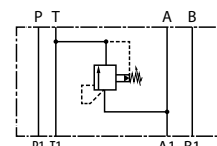
NG10 relief valve in P discharge in T  
Valve NG10 limiteur de pression sur P décharge sur T  
Valvola limitatrice di pressione semplice in P - con scarico in T



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| RQ4M3-SP/51           | NG-10          | 120                                      | 350                                       | 0 - 70                              | - |

## Limitadora simple en A - descarga en T

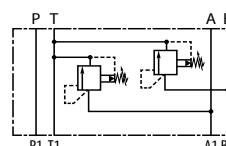
NG10 relief valve in A discharge in T  
Valve NG10 limiteur de pression sur A décharge sur T  
Valvola limitatrice di pressione semplice in A - con scarico in T



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| RQ4M3-SAT/51          | NG-10          | 120                                      | 350                                       | 0 - 70                              | - |
| RQ4M4-SAT/51          | NG-10          | 120                                      | 350                                       | 0 - 140                             | - |

## Limitadora doble en A y B -descarga en T

NG10 double relief valve in A & B discharge in T  
Valve NG10 limiteur de pression double A et B décharge sur T  
Valvola limitatrice di pressione doppia in A e B - con scarico in T

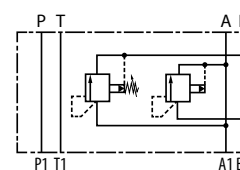


| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| RQ4M3-DT/51           | NG-10          | 120                                      | 350                                       | 0 - 70                              | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

## Limit. doble en A y B -descarga cruzada

NG10 double relief valve in A & B crossed discharge  
Valve NG10 limiteur de pression double A et B décharge croisée  
Valvola limitatrice di pressione doppia sulle via A-B con scarichi incrociati

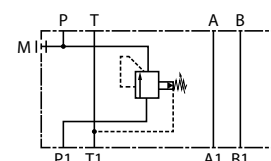


| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| RQ4M3-D/51            | NG-10          | 120                                      | 350                                       | 0 - 70                              | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

## Válvula reductora de presión pilotada NG10

NG10 Pilot operated pressure reducing valve  
Réducteur de pression piloté NG10  
Valvola riduttrice di pressione pilotata NG 10



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| Z4M3-I/50             | NG-10          | 80                                       | 320                                       | 5 - 70                              | - |
| Z4M4-I/50             | NG-10          | 80                                       | 320                                       | 8 - 140                             | - |
| Z4M5-I/50             | NG-10          | 80                                       | 320                                       | 10 - 210                            | - |
| Z4M6-I/50             | NG-10          | 80                                       | 320                                       | 15 - 320                            | - |

# ELECTROVÁLVULAS

Solenoid valve  
Électrovalve  
Elettrovalvole

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

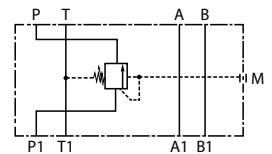
ACCESSORIES

MINI POWER PACKS



## Válvula de secuencia

NG10 sequence valve in P  
Valve NG10 de séquence sur P  
Valvola di sequenza

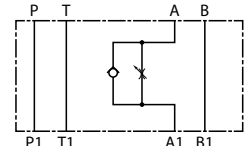


| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|-------------------------------------|---|
| SD4M3/50              | NG-10          | 80                                       | 320                                       | 0 - 70                              | - |
| SD4M4/50              | NG-10          | 80                                       | 320                                       | 0 - 140                             | - |
| SD4M5/50              | NG-10          | 80                                       | 320                                       | 0 - 210                             | - |



## Válvula reguladora de caudal simple unidireccional NG10- A

NG-10 Unidirectional flow restrictor valve in A line  
Étrangleur de débit simple unidirectionnel sur ligne A, NG-10  
Valvola regolatrice di portata semplice unidirezionale NG 10 in A

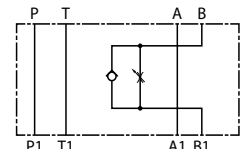


| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | DIRECTION<br>SENTIDO | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|----------------------|----------------------------|---|
| QTM5-SA/10/S          | NG-10          | 80                                       | 320                                       | Salida / Output      | A                          | - |



## Válvula reguladora de caudal simple unidireccional NG10 -B

NG-10 Unidirectional flow restrictor valve in B line  
Étrangleur de débit simple unidirectionnel sur ligne B, NG-10  
Valvola regolatrice di portata semplice unidirezionale NG 10 in B

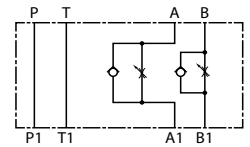


| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | DIRECTION<br>SENTIDO | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|----------------------|----------------------------|---|
| QTM5-SB/10/S          | NG-10          | 80                                       | 320                                       | Salida / Output      | B                          | - |



## Válvula reguladora de caudal doble unidireccional NG10 -salida

NG-10 Unidirectional flow restrictor valve in A & B lines - retour  
Étrangleur de débit unidirectionnel sur lignes A et B, NG-10 descente  
Valvola regolatrice di portata doppia unidirezionale NG 10 - controllo in uscita

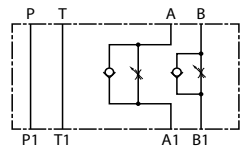


| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | DIRECTION<br>SENTIDO | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|----------------------|----------------------------|---|
| QTM5-D/10/S           | NG-10          | 80                                       | 320                                       | Salida / Output      | A - B                      | - |



## Válvula reguladora de caudal doble unidireccional NG10 -entrada

NG-10 Unidirectional flow restrictor valve in A & B lines (upwards)  
Étrangleur de débit unidirectionnel sur lignes A et B, NG-10 (montée)  
Valvola regolatrice di portata doppia unidirezionale NG 10 - controllo in entrata

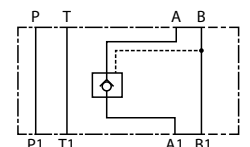


| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | DIRECTION<br>SENTIDO | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|------------------------------------------|-------------------------------------------|----------------------|----------------------------|---|
| QTM5-RD/10/S          | NG-10          | 80                                       | 320                                       | Entrada / Input      | A - B                      | - |



## Válvula antirretorno simple pilotada NG10 -A

NG10 Pilot operated single check valve -A  
Clapet anti-retour simple piloté NG10 -A  
Valvola di blocco semplice pilotata NG10-A



| Part n°<br>Referencia | SIZE<br>TAMAÑO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FLOW (l/min)<br>CAUDAL (l/min) | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|-------------------------------------------|--------------------------------|----------------------------|---|
| CHM5-SA/10            | NG-10          | 320                                       | 100                            | A                          | - |

# ELECTROVÁLVULAS

Solenoid valve

Électrovalve

Elettrovalvole

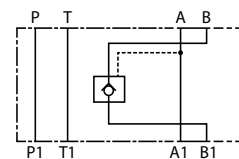


## Válvula antirretorno simple pilotada NG10 -B

NG10 Pilot operated single check valve-B

Clapet anti-retour simple piloté NG10 -B

Valvola di blocco semplice pilotata NG10-B



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | FLOW (l/min)<br>CAUDAL (l/min) | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|------------------------------------------|--------------------------------|----------------------------|---|
| CHM5-SB/10            | NG-10          | 320                                      | 100                            | B                          | - |

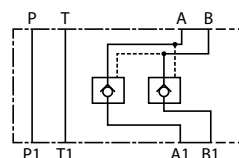


## Válvula antirretorno doble pilotada NG10

NG10 Pilot operated double check valve

Clapet anti-retour double piloté NG10

Valvola di blocco doppia pilotata NG10



| Part n°<br>Referencia | SIZE<br>TAMANO | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|----------------|------------------------------------------|----------------------------|---|
| CHM5-D/10             | NG-10          | 320                                      | A - B                      | - |

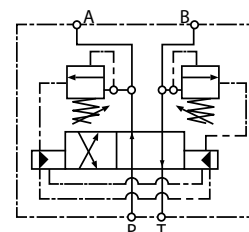


## Válvula inversora NG10

NG10 Self-reversing valve

Valve à inversion automatique NG10

Valvola ad inversione automatica NG 10



| Part n°<br>Referencia | MÍN. PRESS. (bar)<br>PRESION MÍN. (bar) | MIN. FLOW (l/min)<br>CAUDAL MÍN. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------------------------------|------------------------------------------|-------------------------------------------|---|
| DSB5-RTA/10N          | 60                                      | 10                                       | 320                                       | - |



## Válvula inversora por presión NG10

NG10 reversing valve by pressure

Valve NG10 d'inversion par pression

Valvola di inversione della pressione NG10

NEW

| Part n°<br>Referencia | Min. Press. (bar)<br>Presión MÍN (bar) | Max. Press. (bar)<br>Pres. max. (bar) | Min. flow (l/min)<br>Caudal mín. (l/min) | FLOW MAX (l/min)<br>CAUDAL MAX (l/min) | € |
|-----------------------|----------------------------------------|---------------------------------------|------------------------------------------|----------------------------------------|---|
| VSIA L10 VM 10        | 20                                     | 100                                   | 3                                        | 80                                     | - |
| VSIA L10 VM 20        | 85                                     | 260                                   | 3                                        | 80                                     | - |

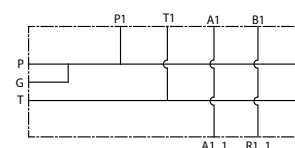


## Placa base NG10 para 1 electroválvula - sin limitadora

Subplates for NG10 solenoid valve without relief valve

Embase NG10 pour 1 électro. orifices verticaux sans limiteur de pression

Piastra di base NG10 per 1 elettrovalvola senza limitatrice



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMANO | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | OIL PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------|----------------|-------------------------------------------|----------------------------|---|
| PBKV-10-12TV          | 1/2" BSP        | NG-10          | 350                                       | Verticales / Vertical      | - |

Otros tamaños bajo consulta / Other sizes on request / Autres dimensions sur demande / Altre dimensioni su richiesta

# ELECTROVÁLVULAS

Solenoid valve

Électrovalve

Elettrovalvole

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

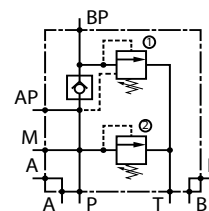


## Bloques de alta y baja NG10

NG10 High/low pressure blocks

Blocs forés de control NG10

Blocchi di alta e bassa NG10



| Part n°<br>Referencia  | Size<br>Tamaño | Max. flow (l/min)<br>Caudal máx. (l/min) | Max. Pressure. (bar)<br>Presión máx. (bar) | Reg. rate (bar)<br>Campo reg. (bar) | € |
|------------------------|----------------|------------------------------------------|--------------------------------------------|-------------------------------------|---|
| <b>VD CTP 05 NG-10</b> | NG-10          | 90                                       | 350                                        | 10-210                              | - |

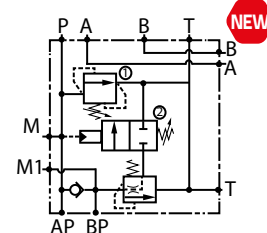


## Bloques de alta y baja NG10

NG10 High/low pressure blocks

Blocs forés de control NG10

Blocchi di alta e bassa NG10



| Part n°<br>Referencia         | THREAD<br>ROSCA | P1=1   | P2=2   | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MINIMUM FLOW (l/min)<br>CAUDAL MINIMO (l/min) | € |
|-------------------------------|-----------------|--------|--------|------------------------------------------|-----------------------------------------------|---|
| <b>VSMS-PDL10-P-3/4 20-10</b> | 3/4" BSP        | 50-220 | 10-100 | 150                                      | 40                                            | - |
| <b>VSMS-PDL10-P-3/4 35-20</b> | 3/4" BSP        | 80-350 | 50-220 | 150                                      | 40                                            | - |



# ELECTROVÁLVULAS

Solenoid valve

Électrovalve

Elettrovalvole



## Conectores estándar

Standard connectors

Connecteurs standard

Connettori standard

| Part n°<br>Referencia | PINS<br>PATILLAS | PROTECTION (IP)<br>PROTECCIÓN (IP) | COLOUR<br>COLOR | € |
|-----------------------|------------------|------------------------------------|-----------------|---|
| <b>ECA/A/10</b>       | 3                | IP 65 - IEC 60529                  | Gris / Grey     | - |
| <b>ECA/B/10</b>       | 3                | IP 65 - IEC 60529                  | Negro / Black   | - |
| <b>CON4P</b>          | 4                | IP 65 - IEC 60529                  | Negro / Black   | - |



## Conectores con led

Connectors with led

Connecteurs avec led

Connettori con led

| Part n°<br>Referencia    | VOLTAGE (V)<br>VOLTAJE (V) | COLOUR<br>COLOR            | TYPE<br>TIPO | € |
|--------------------------|----------------------------|----------------------------|--------------|---|
| <b>NEW CONLED12CC</b>    | 12 VDC                     | Transparente / Transparent | Standard     | - |
| <b>NEW CONLED24CC</b>    | 24 VDC                     | Transparente / Transparent | Standard     | - |
| <b>NEW CONLED24CCEST</b> | 24 VDC                     | Transparente / Transparent | 21.5x28.8 mm | - |
| <b>NEW CONLED12CCEST</b> | 12 VDC                     | Transparente / Transparent | 21.5x28.8 mm | - |
| <b>CONLED220CA</b>       | 70-250 V                   | Transparente / Transparent | Standard     | - |



## Conectores con rectificador y led

Connectors with rectifier and led

Connecteurs avec redresseur et led

Connettori con raddrizzatore e led

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | PROTECTION (IP)<br>PROTECCIÓN (IP) | COLOUR<br>COLOR | € |
|-----------------------|----------------------------|------------------------------------|-----------------|---|
| <b>CONLEDREC110</b>   | 70-250                     | IP 65 - IEC 60529                  | Transparente    | - |
| <b>CONLEDREC220</b>   | 70-250                     | IP 65 - IEC 60529                  | Transparente    | - |
| <b>CONLEDREC24</b>    | 10-50                      | IP 65 - IEC 60529                  | Transparente    | - |

## CONECTORES LED · LED CONNECTORS

**CONLED..CC**

DIN 43650 / EN 75301: 803A

**CONLED..REC**

DIN 43650 / EN 75301: 803A

**CONLED..CCEST**

DIN 4365 INDUSTRIAL STANDARD

**CONLED..4P**

DIN 43650 / EN 75301: 803A

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

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MINI POWER PACKS

NUEVA CODIFICACIÓN - MISMO PRODUCTO

# ANTES FP AHORA VS

# BEFORE FP NOW VS

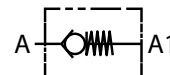
NEW PART NUMBERS - SAME PRODUCTS

**SÓLO HEMOS CAMBIADO LAS REFERENCIAS DE NUESTROS PRODUCTOS**  
WE HAVE CHANGED ONLY OUR PRODUCT PART NUMBERS



## Antirretorno

Check-valve line mounting  
Clapet antiretour en ligne  
Valvola di ritegno in linea



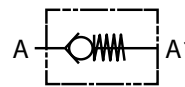
| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | € |
|-----------------------|-----------------|-----------------------------------------|-------------------------------------------|-------------------------------|---|
| VSR 1/4               | 1/4" BSP        | 12                                      | 350                                       | 0.5                           | - |
| VSR 1/4 2.5           | 1/4" BSP        | 12                                      | 350                                       | 2.5                           | - |
| VSR 1/4-5             | 1/4" BSP        | 12                                      | 350                                       | 5                             | - |
| VSR 1/4-10            | 1/4" BSP        | 12                                      | 350                                       | 10                            | - |
| VSR 3/8               | 3/8" BSP        | 30                                      | 350                                       | 0.5                           | - |
| VSR 3/8 2.5           | 3/8" BSP        | 30                                      | 350                                       | 2.5                           | - |
| VSR 3/8-5             | 3/8" BSP        | 30                                      | 350                                       | 5                             | - |
| VSR 3/8-10            | 3/8" BSP        | 30                                      | 350                                       | 10                            | - |
| VSR 1/2               | 1/2" BSP        | 45                                      | 320                                       | 0.5                           | - |
| VSR 1/2 2.5           | 1/2" BSP        | 45                                      | 320                                       | 2.5                           | - |
| VSR 1/2-5             | 1/2" BSP        | 45                                      | 320                                       | 5                             | - |
| VSR 1/2-10            | 1/2" BSP        | 45                                      | 320                                       | 10                            | - |
| VSR 3/4               | 3/4" BSP        | 85                                      | 300                                       | 0.5                           | - |
| VSR 3/4 2.5           | 3/4" BSP        | 85                                      | 300                                       | 2.5                           | - |
| VSR 3/4-5             | 3/4" BSP        | 85                                      | 300                                       | 5                             | - |
| VSR 3/4-10            | 3/4" BSP        | 85                                      | 300                                       | 10                            | - |
| VSR 1                 | 1" BSP          | 140                                     | 250                                       | 0.5                           | - |
| VSR 1 2.5             | 1" BSP          | 140                                     | 250                                       | 2.5                           | - |
| VSR 1-5               | 1" BSP          | 140                                     | 250                                       | 5                             | - |
| VSR 1-10              | 1" BSP          | 140                                     | 250                                       | 10                            | - |
| VSR 1 1/4             | 1"1/4 BSP       | 200                                     | 250                                       | 0.5                           | - |
| VSR 1 1/4 2.5         | 1"1/4 BSP       | 200                                     | 250                                       | 2.5                           | - |
| VSR 1 1/4-5           | 1"1/4 BSP       | 200                                     | 250                                       | 5                             | - |
| VSR 1 1/4-10          | 1"1/4 BSP       | 200                                     | 250                                       | 10                            | - |
| VSR 1 1/2             | 1"1/2 BSP       | 310                                     | 210                                       | 0.5                           | - |
| VSR 1 1/2 2.5         | 1"1/2 BSP       | 310                                     | 210                                       | 2.5                           | - |
| VSR 1 1/2-5           | 1"1/2 BSP       | 310                                     | 210                                       | 5                             | - |
| VSR 1 1/2-10          | 1"1/2 BSP       | 310                                     | 210                                       | 10                            | - |

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

## Antirretorno racor intermedio macho-macho

Check valve male-male  
Clapet antiretour mâle-mâle  
Valvola di non ritorno intermedia maschio-maschio

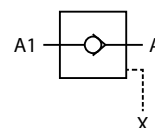


NEW

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| VAMM1/4               | 1/4" BSP        | - |
| VAMM3/8               | 3/8" BSP        | - |
| VAMM1/2               | 1/2" BSP        | - |
| VAMM3/4               | 3/4" BSP        | - |

## Antirretorno simple pilotaje

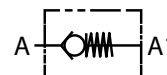
Single pilot operated check valve - line mounted  
Clapet antiretour piloté (en ligne)  
Valvola di blocco pilotata semplice, montaggio in linea



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSS 1/4               | 1/4" BSP        | 12                                       | 350                                       | - |
| VSS 3/8               | 3/8" BSP        | 30                                       | 350                                       | - |
| VSS 1/2               | 1/2" BSP        | 45                                       | 350                                       | - |
| VSS 3/4               | 3/4" BSP        | 85                                       | 300                                       | - |

## Antirretorno insertable

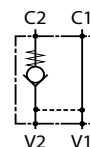
Check-valve insert version  
Clapet antiretour insertable  
Valvola di blocco inseribile



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSRI 1/4              | 1/4" BSP        | 15                                       | 350                                       | - |
| VSRI 3/8              | 3/8" BSP        | 30                                       | 350                                       | - |
| VSRI 1/2              | 1/2" BSP        | 45                                       | 350                                       | - |
| VSRI 3/4              | 3/4" BSP        | 80                                       | 300                                       | - |

## Antirretorno simple pilotaje bloque línea

Single pilot check valve -block- line  
Bloc avec antiretour simple piloté en ligne  
Valvola di blocco pilotata semplice - alluminio



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSSL 3/8              | 3/8" BSP        | 25                                       | 250                                       | - |
| VSSL 1/2              | 1/2" BSP        | 45                                       | 250                                       | - |
| VSSL 3/4              | 3/4" BSP        | 85                                       | 250                                       | - |

EMISORES RECEPTORES  
RADIO REMOTE CONTROL

**TrAle®**

P. 111



# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

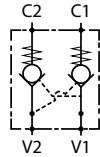


## Antirretorno doble pilotaje bloque línea

Double pilot check valve in line

Bloc avec antiretour double piloté en ligne

Valvola di blocco pilotata doppia - alluminio



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSDL 3/8              | 3/8" BSP        | 25                                       | 250                                       | - |
| VSDL 1/2              | 1/2" BSP        | 45                                       | 250                                       | - |
| VSDL 3/4              | 3/4" BSP        | 85                                       | 250                                       | - |

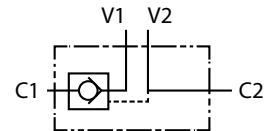


## Antirretorno simple pilotaje en bloque (en T)

Single pilot operated check valves in block (in T)

Bloc avec antiretour simple piloté (en T)

Valvola di blocco pilotata semplice (in T)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSD 1/4-1R            | 1/4" BSP        | 12                                       | 350                                       | - |
| VSD 3/8-20L-1R        | 3/8" BSP        | 20                                       | 300                                       | - |
| VSD 3/8-1R            | 3/8" BSP        | 30                                       | 300                                       | - |
| VSD 1/2-1R            | 1/2" BSP        | 45                                       | 300                                       | - |
| VSD 3/4-1R            | 3/4" BSP        | 85                                       | 280                                       | - |

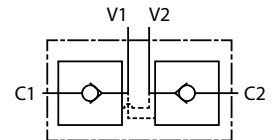


## Antirretorno doble pilotaje en bloque (en T)

Pilot operated double check valves in block (in T)

Bloc avec antiretour double piloté (en T)

Valvola di blocco pilotata doppia (in T)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSD 1/4               | 1/4" BSP        | 12                                       | 350                                       | - |
| VSD 3/8-20 L          | 3/8" BSP        | 20                                       | 300                                       | - |
| VSD 3/8               | 3/8" BSP        | 30                                       | 300                                       | - |
| VSD 3/4               | 3/4" BSP        | 85                                       | 280                                       | - |

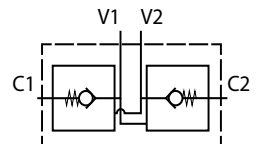


## Antirretorno doble pilotaje en bloque con racores

Pilot operated double check valve in block with banjo

Bloc avec antiretour double piloté avec raccords

Valvola di blocco pilotata doppia con raccordi DIN 2353



| Part n°<br>Referencia | PIPE<br>TUBO | THREAD<br>ROSCA | N° FITTINGS<br>N° RACORES | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|--------------|-----------------|---------------------------|------------------------------------------|-------------------------------------------|---|
| VSD 1/4 1RO SR        | 12           | 1/4" BSP        | 1                         | 12                                       | 250                                       | - |
| VSD 1/4-2RO           | 12           | 1/4" BSP        | 2                         | 12                                       | 250                                       | - |
| VSD 3/8 20L 2RO SR    | 12           | 3/8" BSP        | 2                         | 20                                       | 250                                       | - |

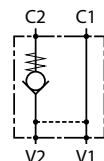


## Antirretorno simple pilotaje montaje sobre placa

Stackable simple pilot check valve plate mounting

Bloc antiretour simple piloté montage sur plaque

Valvola di blocco pilotata semplice montaggio su base (alluminio)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSSF 3/8              | 3/8" BSP        | 25                                       | 250                                       | - |
| VSSF 1/2              | 1/2" BSP        | 45                                       | 250                                       | - |
| VSSF 3/4              | 3/4" BSP        | 85                                       | 250                                       | - |

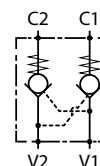
# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche



## Antirretorno doble pilotaje montaje sobre placa

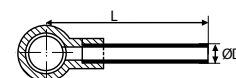
Stackable double pilot check valve plate mounting  
Bloc antiretour double piloté montage sur plaque  
Valvola di blocco pilotata doppia montaggio su base (alluminio)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSDF 3/8              | 3/8" BSP        | 25                                       | 250                                       | - |
| VSDF 1/2              | 1/2" BSP        | 45                                       | 250                                       | - |
| VSDF 3/4              | 3/4" BSP        | 85                                       | 250                                       | - |

## Tubo con orientable para FPD 1/4-2RO

Pipe with banjo for FPD 1/4-2RO  
Tube avec banjo pour FPD 1/4-2RO  
Tubo con occhio per FPD 1/4-2RO

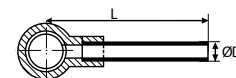


| Part n°<br>Referencia | Max. Press. (bar)<br>Pres. max. (bar) | L (mm) | ØD (mm) | € |
|-----------------------|---------------------------------------|--------|---------|---|
| 50604022              | 250                                   | 38     | 12      | - |
| 50604028              | 250                                   | 200    | 12      | - |

Ver racor orientable 3/8" Trale en pag 62 / Look for banjo 3/8" on page 62 / Voir banjo 3/8" à la page 62 / Vedere raccordo girevole 3/8 a pag 62

## Tubo con orientable para FPD 3/8 20L 2RO SR

Pipe with banjo for FPD 3/8 20L 2RO SR  
Tube avec banjo pour corps FPD 3/8 20L 2RO SR  
Tubo con occhio per FPD 3/8 20L 2RO SR



| Part n°<br>Referencia | Max. Press. (bar)<br>Pres. max. (bar) | L (mm) | ØD (mm) | € |
|-----------------------|---------------------------------------|--------|---------|---|
| 50604012              | 250                                   | 40     | 12      | - |
| 50604018              | 250                                   | 200    | 12      | - |
| 50604019              | 250                                   | 300    | 12      | - |
| 50604020              | 250                                   | 400    | 12      | - |
| 50604021              | 250                                   | 500    | 12      | - |

Ver racor orientable 3/8" Trale en pag 62 / Look for banjo 3/8" on page 62 / Voir banjo 3/8" à la page 62 / Vedere raccordo girevole 3/8 a pag 62

# VÁLVULAS HIDRÁULICAS

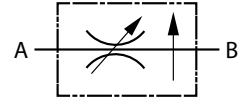
Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS



## Regulador de caudal insertable compensado

Compensated Insertable flow restrictor valve  
Étrangleur débit insertable compensé  
Regolatori di portata compensato a cartuccia



| Part n°<br>Referencia | THREAD<br>ROSCA | MÍN. PRESS. (bar)<br>PRESIÓN MIN. (bar) | FLOW (l/min)<br>CAUDAL (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE(μm)<br>GRADO DE FILTRACIÓN (μm) | € |
|-----------------------|-----------------|-----------------------------------------|--------------------------------|-------------------------------------------|---------------------------------------------------|---|
| FT287233              | M33x1,5         | 7,5                                     | 18                             | 320                                       | 25                                                | - |
| FT287239              | M39x1,5         | 10                                      | 35                             | 320                                       | 25                                                | - |
| FT287248              | M48x2           | 12                                      | 65                             | 320                                       | 25                                                | - |

## Racor tornillo orientable con regulador

Adjustable screw fitting with flow restrictor  
Raccord à vis réglable avec étrangleur  
Bullone forato con regolatore



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| R1351                 | 1/4" BSP        | 320                                       | - |
| R1361                 | 3/8" BSP        | 320                                       | - |

## Regulador de caudal unidireccional (volante metálico)

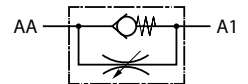
Unidirectional flow restrictor valve (metallic knob)  
Étrangleur débit unidirectionnel (molette métallique)  
Valvola regolatrice di flusso unidirezionale (manopola metallica)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSSU 1/4              | 1/4" BSP        | 12                                       | 300                                       | - |
| VSSU 3/8              | 3/8" BSP        | 25                                       | 300                                       | - |
| VSSU 1/2              | 1/2" BSP        | 40                                       | 280                                       | - |

## Regulador de caudal unidireccional (volante metálico) nuevo diseño

New design Unidirectional flow restrictor valve (metallic knob)  
Étrangleur débit unidirectionnel (molette métallique) Nouveau design  
Valvola regolatrice di flusso unidirezionale (manopola metallica) Nuovo design



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSUN 1/4              | 1/4" BSP        | 25                                       | 400                                       | - |

Otros tamaños bajo consulta / Other sizes on request / Autres dimensions sur demande / Altre dimensioni su richiesta

## Regulador de caudal bidireccional (volante metálico)

Bidirectional flow restrictor valve (metallic knob)  
Étrangleur débit bidirectionnel (molette métallique)  
Valvola regolatrice di flusso bidirezionale (manopola metallica)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSSB 1/4              | 1/4" BSP        | 12                                       | 300                                       | - |
| VSSB 3/8              | 3/8" BSP        | 20                                       | 300                                       | - |
| VSSB 1/2              | 1/2" BSP        | 25                                       | 280                                       | - |

## Regulador de caudal bidireccional (volante metálico) nuevo diseño

New design Bidirectional flow restrictor valve (metallic knob)  
Étrangleur débit bidirectionnel (molette métallique) Nouveau design  
Valvola regolatrice di flusso bidirezionale (manopola metallica) Nuovo design



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSBN 1/4              | 1/4" BSP        | 25                                       | 400                                       | - |

Otros tamaños bajo consulta / Other sizes on request / Autres dimensions sur demande / Altre dimensioni su richiesta

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

## Tuerca pasatabiques para reguladores FPU/FPB/FPUN/FPBN



Nut bulkhead flow restrictor valve FPU/FPB/FPUN/FPBN

Écrou passe-cloison pour étrangleur FPU/FPB/FPUN/FPBN

Controdado passaparete per regolatore FPU/FPB/FPUN/FPBN

NEW

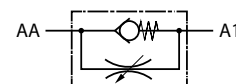
| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION | € |
|-----------------------|----------------------------|---|
| TPVSUB1/4             | VSU/FPB M20x1              | - |
| TPVSUB3/8             | VSU/FPB M25x1.5            | - |
| TPVSUB1/2             | VSU/FPB M30x1.5            | - |
| TPVSUB3/4             | VSU/FPB M35x1.5            | - |

## Regulador de caudal unidireccional corto 210 bar H-H Cromados

Unidirectional flow restrictor valve short, 210bar F-F-chromed

Étrangleur débit unidirectionnel court 210bar F-F -Chromé

Valvola di regolazione unidirezionali in linea, 210 bar F-F cromato



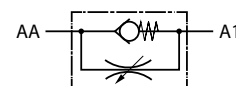
| Part n°<br>Referencia | THREAD<br>ROSCA | NECK THREAD<br>ROSCA CUELLO | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|-----------------------------|-----------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| FT1253U04             | 1/4" BSP        | M17X1                       | 9                                       | 210                                       | 25                                                 | - |
| FT1253U06             | 3/8" BSP        | M20X1                       | 22                                      | 210                                       | 25                                                 | - |
| FT1253U08             | 1/2" BSP        | M25X1,5                     | 35                                      | 210                                       | 25                                                 | - |

## Regulador de caudal unidireccional 210 bar H-H-Cromados

Unidirectional flow restrictor valve 210 bar F-F Chromed

Étrangleur débit unidirectionnel 210 bar F-F Chromé

Valvola di regolazione unidirezionale in linea 210 bar F-F cromato



| Part n°<br>Referencia | THREAD<br>ROSCA | NECK THREAD<br>ROSCA CUELLO | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|-----------------------------|-----------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| FT1251U04             | 1/4" BSP        | M17X1                       | 12                                      | 210                                       | 25                                                 | - |
| FT1251U06             | 3/8" BSP        | M20X1                       | 30                                      | 210                                       | 25                                                 | - |
| FT1251U08             | 1/2" BSP        | M25X1,5                     | 60                                      | 210                                       | 25                                                 | - |

## Regulador de caudal bidireccional 210 bar H-H-Cromados

Bidirectional flow restrictor valve 210 bar F-F Chromed

Étrangleur débit bidirectionnel 210 bar F-F Chromé

Valvola di regolazione bidirezionale in linea 210 bar F-F cromato



| Part n°<br>Referencia | THREAD<br>ROSCA | NECK THREAD<br>ROSCA CUELLO | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|-----------------------------|-----------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| FT1251B0104           | 1/4" BSP        | M17X1                       | 12                                      | 210                                       | 25                                                 | - |
| FT1251B0106           | 3/8" BSP        | M20X1                       | 30                                      | 210                                       | 25                                                 | - |
| FT1251B0108           | 1/2" BSP        | M25X1,5                     | 60                                      | 210                                       | 25                                                 | - |

## Regulador de caudal bidireccional 210 BAR M-H Cromados

Bidirectional flow restrictor valve 210 bar M-F Chromed

Étrangleur débit bidirectionnel 210 BAR M-F Chromé

Valvola di regolazione bidirezionale in linea 210 bar M-F cromato



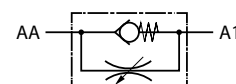
| Part n°<br>Referencia | THREAD<br>ROSCA | NECK THREAD<br>ROSCA CUELLO | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|-----------------------------|-----------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| FT1251B0206           | 3/8" BSP        | M20X1                       | 30                                      | 210                                       | 25                                                 | - |
| FT1251B0208           | 1/2" BSP        | M25X1,5                     | 60                                      | 210                                       | 25                                                 | - |

## Regulador de caudal regulación fina unidireccional

Unidirectional flow restrictor valve- Fine Adjustment

Étrangleur de débit unidirectionnel- Réglage précis

Valvola di regolazione fine unidirezionale



| Part n°<br>Referencia | THREAD<br>ROSCA | NECK THREAD<br>ROSCA CUELLO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|-----------------------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| FT12375U02            | 1/8" BSP        | M15X1                       | 2,2                                      | 210                                       | 25                                                 | - |



# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS



## Regulador de caudal regulación fina bidireccional

Bidirectional flow control valve- Fine Adjustment

Étrangleur de débit bidirectionnel- Réglage précis

Valvola di regolazione fine bidirezionale



| Part n°<br>Referencia | THREAD<br>ROSCA | NECK THREAD<br>ROSCA CUELLO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|-----------------------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| FT12372B02            | 1/8" BSP        | M15X1                       | 2,2                                      | 210                                       | 25                                                 | - |

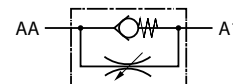


## Regulador de caudal forjados unidireccionales

Unidirectional flow restrictor valve

Étrangleur de débit unidirectionnel

Valvole di regolazione forgiata unidirezionale



| Part n°<br>Referencia | THREAD<br>ROSCA | NECK THREAD<br>ROSCA CUELLO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|-----------------------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| FT251U04              | 1/4" BSP        | M17x1                       | 12                                       | 350                                       | 25                                                 | - |
| FT251U06              | 3/8" BSP        | M20X1                       | 30                                       | 350                                       | 25                                                 | - |
| FT251U08              | 1/2" BSP        | M25x1,5                     | 45                                       | 350                                       | 25                                                 | - |
| FT251U12              | 3/4" BSP        | M30x1,5                     | 85                                       | 350                                       | 25                                                 | - |
| FT251U16              | 1" BSP          | M40x1,5                     | 125                                      | 350                                       | 25                                                 | - |

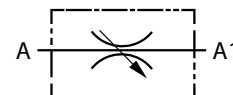


## Regulador de caudal forjados bidireccionales

Bidirectional flow restrictor valve

Étrangleur de débit bidirectionnel

Valvole di regolazione forgiata bidirezionale



| Part n°<br>Referencia | THREAD<br>ROSCA | NECK THREAD<br>ROSCA CUELLO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|-----------------------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| FT251B04              | 1/4" BSP        | M17x1                       | 12                                       | 350                                       | 25                                                 | - |
| FT251B06              | 3/8" BSP        | M20x1                       | 30                                       | 350                                       | 25                                                 | - |
| FT251B08              | 1/2" BSP        | M25x1,5                     | 45                                       | 350                                       | 25                                                 | - |
| FT251B12              | 3/4" BSP        | M30x1,5                     | 85                                       | 350                                       | 25                                                 | - |
| FT251B16              | 1" BSP          | M40x1,5                     | 125                                      | 350                                       | 25                                                 | - |

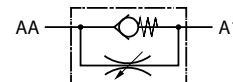


## Regulador de caudal unidireccional en línea

Unidirectional flow restrictor valve in line

Étrangleur de débit unidirectionnel en ligne

Valvole di regolazione unidirezionali in linea



| Part n°<br>Referencia | THREAD<br>ROSCA | NECK THREAD<br>ROSCA CUELLO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|-----------------------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| FT257502              | 1/8" BSP        | M17X1                       | 6                                        | 400                                       | 25                                                 | - |
| FT257504              | 1/4" BSP        | M20X1                       | 14                                       | 400                                       | 25                                                 | - |
| FT257506              | 3/8" BSP        | M25X1,5                     | 32                                       | 400                                       | 25                                                 | - |
| FT257508              | 1/2" BSP        | M30X1,5                     | 48                                       | 400                                       | 25                                                 | - |
| FT257512              | 3/4" BSP        | M40X1,5                     | 80                                       | 400                                       | 25                                                 | - |
| FT257516              | 1" BSP          | M50X1,5                     | 180                                      | 320                                       | 25                                                 | - |
| FT257520              | 1" 1/4 BSP      | M50X1,5                     | 200                                      | 320                                       | 25                                                 | - |
| FT257524              | 1" 1/2 BSP      | M55X2                       | 210                                      | 320                                       | 25                                                 | - |

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

## Regulador de caudal bidireccional en línea

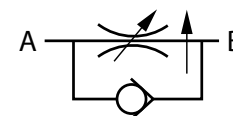
Bidirectional flow restrictor valve in line  
Étrangleur de débit bidirectionnel en ligne  
Valvola di regolazione bidirezionali in linea



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | €  |   |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|----|---|
| FT2572B02             | 1/8" BSP        | M17X1                                    | 8                                         | 400                                                | 25 | - |
| FT2572B04             | 1/4" BSP        | M20X1                                    | 14                                        | 400                                                | 25 | - |
| FT2572B06             | 3/8" BSP        | M25X1,5                                  | 38                                        | 400                                                | 25 | - |
| FT2572B08             | 1/2" BSP        | M30X1,5                                  | 54                                        | 400                                                | 25 | - |
| FT2572B12             | 3/4" BSP        | M40X1,5                                  | 180                                       | 400                                                | 25 | - |
| FT2572B16             | 1" BSP          | M50X1,5                                  | 200                                       | 320                                                | 25 | - |
| FT2572B20             | 1" 1/4 BSP      | M50X1,5                                  | 200                                       | 320                                                | 25 | - |
| FT2572B24             | 1" 1/2 BSP      | M55X2                                    | 210                                       | 320                                                | 25 | - |
| FT2572B32             | 2" BSP          | M65X2                                    | 200                                       | 320                                                | 25 | - |

## Regulador de caudal compensado unidireccional en línea

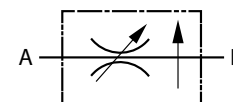
Unidirectional pressure compensated flow restrictor valve in line  
Étrangleur de débit unidirectionnel compensé en ligne  
Valvola di regolazione compensata unidirezionali in linea



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | €  |   |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|----|---|
| FT270504              | 1/4" BSP        | M20x1                                    | 22                                        | 250                                                | 25 | - |
| FT270506              | 3/8" BSP        | M25x1,5                                  | 45                                        | 250                                                | 25 | - |
| FT270508              | 1/2" BSP        | M30x1,5                                  | 100                                       | 250                                                | 25 | - |
| FT270512              | 3/4" BSP        | M40x1,5                                  | 150                                       | 250                                                | 25 | - |
| FT270516              | 1" BSP          | M50x1,5                                  | 200                                       | 250                                                | 25 | - |

## Regulador de caudal compensado bidireccional en línea

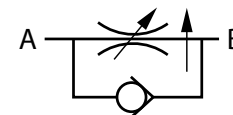
Bidirectional pressure compensated flow restrictor valve in line  
Étrangleur de débit bidirectionnel compensé en ligne  
Valvola di regolazione compensata bidirezionale in linea



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | €  |   |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|----|---|
| FT270204              | 1/4" BSP        | M20x1                                    | 22                                        | 250                                                | 25 | - |
| FT270206              | 3/8" BSP        | M25x1,5                                  | 45                                        | 250                                                | 25 | - |
| FT270208              | 1/2" BSP        | M30x1,5                                  | 100                                       | 250                                                | 25 | - |
| FT270212              | 3/4" BSP        | M40x1,5                                  | 150                                       | 250                                                | 25 | - |

## Regulador de caudal compensado unidireccional 320 bar

Unidirectional pressure compensated flow restrictor valve 320 BAR  
Étrangleur débit unidirectionnel compensé 320 bar  
Valvola di regolazione compensata unidirezionali 320 bar

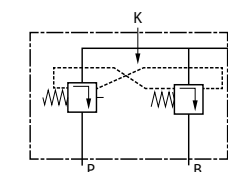


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | €  |   |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|----|---|
| FT2775U08             | 1/2" BSP        | M40X1,5                                  | 65                                        | 320                                                | 25 | - |
| FT2775U12             | 3/4" BSP        | M50X1,5                                  | 90                                        | 320                                                | 25 | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

## Regulador de caudal compensado - tipo RF

Compensated flow control valve- RF type  
Régulateurs de débit compensés - type RF  
Regolatori di portata compensati tipo RF



| Part n°<br>Referencia | THREAD<br>ROSCA |          |          | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|----------|----------|------------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| RF40P                 | 1/2" BSP        | 3/8" BSP | 1/2" BSP | 40                                       | 250                                       | 25                                                 | - |
| RF70P                 | 3/4" BSP        | 1/2" BSP | 3/4" BSP | 80                                       | 250                                       | 25                                                 | - |
| RF90P                 | 3/4" BSP        | 3/4" BSP | 3/4" BSP | 100                                      | 250                                       | 25                                                 | - |

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

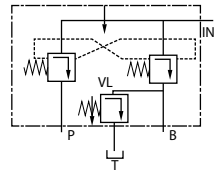
ACCESSORIES

MINI POWER PACKS



## Regulador de caudal compensados con limitadora- tipo RF

Comp.flow contr.valve-with relief valve RF type  
Étrangleur de débit compensés avec limiteur - type RF  
Regolatori di portata compensati tipo RF con valv. Max

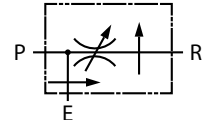


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| RF40PV                | 1/2" BSP        | 40                                       | 250                                       | - |
| RF70PV                | 3/4" BSP        | 70                                       | 250                                       | - |



## Regulador de caudal compensado 3 vías -Tipo FPVP (acero)

Compensated flow control valve 3 ways - FPVP type (steel)  
Régulateur débit compensé 3 voies - Type FPVP (acier)  
Regolatore di flusso a 3 vie compensati - Tipo FPVP (acciaio)

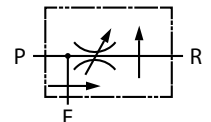


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. REG. FLOW (l/min)<br>CAUDAL MAX. REG. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|----------------------------------------------------|-------------------------------------------|---|
| VSVP 3/8 S G          | 3/8" BSP        | 50                                       | 30                                                 | 350                                       | - |
| VSVP 1/2 S G          | 1/2" BSP        | 90                                       | 50                                                 | 350                                       | - |
| VSVP 3/4 S G          | 3/4" BSP        | 150                                      | 90                                                 | 350                                       | - |



## Regulador de caudal compensado 3 vías con palanca

Pressure compensated flow control valve 3 ways with lever  
Régulateur débit compensé 3 voies avec levier  
Regolatori di flusso a 3 vie compensati con leva

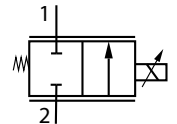


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. REG. FLOW (l/min)<br>CAUDAL MAX. REG. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|----------------------------------------------------|-------------------------------------------|---|
| VSVP 1/2 H            | 1/2" BSP        | 90                                       | 50                                                 | 250                                       | - |



## Regulador de caudal no compensado 2 vías proporcional N.C.

Proportional no compensated flow control valve 2 ways normally closed  
Régulateur de débit non compensé 2 voies proportionnel normalement fermé  
Regolatore di flusso proporzionali non compensato a due vie, N.C.



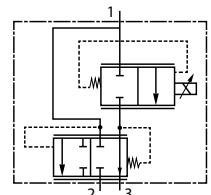
| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| REG2VPROP-12CC        | 3/8" BSP        | 12 VDC                     | 40                                       | 260                                       | - |
| REG2VPROP-24CC        | 3/8" BSP        | 24 VDC                     | 40                                       | 260                                       | - |

Es necesario utilizarlo con un potenciómetro o un joystick proporcional. Controlador electrónico incluido / It must be used with a potentiometer or a proportional joystick. Electronic driver included / Il doit être utilisé avec un potentiomètre ou un Joystick proportionnel. Il doit être utilisé avec un potentiomètre ou un joystick proportionnel. Contrôleur électronique inclus. / E' necessario utilizzarlo con potenziometro o joystick proporzionale. Controllo elettronico incluso



## Regulador de caudal compensado 3 vías proporcional N.C.

Proportional compensated flow control valve 3 ways normally closed  
Régulateur de débit compensé 3 voies proportionnel normalement fermé  
Regolatore di portata proporzionale compensato a 3 vie N.C.



| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| REG403VPROP-12CC      | 3/8" BSP        | 12 VDC                     | 40                                       | 270                                       | - |
| REG403VPROP-24CC      | 3/8" BSP        | 24 VDC                     | 40                                       | 270                                       | - |
| REG803VPROP-12CC      | 1/2" BSP        | 12 VDC                     | 80                                       | 270                                       | - |
| REG803VPROP-24CC      | 1/2" BSP        | 24 VDC                     | 80                                       | 270                                       | - |

Es necesario utilizarlo con un potenciómetro o un joystick proporcional. Controlador electrónico incluido / It must be used with a potentiometer or a proportional joystick. Electronic driver included / Il doit être utilisé avec un potentiomètre ou un Joystick proportionnel. Contrôleur électronique inclus. / E' necessario utilizzarlo con potenziometro o joystick proporzionale. Controllo elettronico incluso

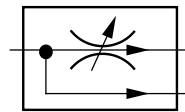
# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

## Regulador de caudal compensado 3 vías eléctrico 0-95L, control propor.



Compensated flow control valve 3 ways 0-95L, proport.control  
Régulateur de débit compensé 3 voies 0-95L, contrôle proport.  
Regolatore di portata compensato 3 vie elettr. 0-95L, controllo, proporzionale



| Part n°<br>Referencia | PRESSURE (Bar)<br>TARAJE (BAR) | FLOW (l/min)<br>CAUDAL (l/min) | VOLTAGE (V)<br>VOLTAJE (V) | € |
|-----------------------|--------------------------------|--------------------------------|----------------------------|---|
| R3VP95-12/24CC        | 420                            | 0-95                           | 12/24 VDC                  | - |

## Controlador electrónico para regulador caudal proporcional



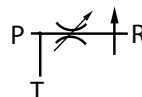
Electronic driver for proportional flow control valve  
Contrôleur électronique pour régulateur de débit proportionnel  
Controllo elettronico per regolatori di flusso proporzionali

| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| CONTROLREG            | M33             | 12-30                      | 80                                       | 270                                       | - |

## Regulador de caudal compensados - tipo FPRF con palanca



Compensated flow control valve- FPRF type with lever  
Régulateur de débit compensé - type FPRF avec levier  
Regolatore di flusso compensato - tipo FPRF con leva

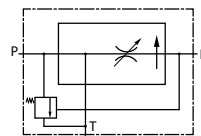


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. REG. FLOW (l/min)<br>CAUDAL MAX. REG. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|----------------------------------------------------|-------------------------------------------|---|
| VSRF 1/2 H            | 1/2" BSP        | 90                                       | 50                                                 | 250                                       | - |

## Regulador de caudal compensado- tipo FPRF con limitadora



Compensated flow control valve- FPRF type with relief valve  
Régulateur de débit compensé - type FPRF avec limiteur pression  
Regolatore di flusso compensato tipo FPRF con valvola di max

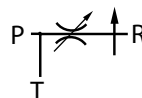


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. REG. FLOW (l/min)<br>CAUDAL MAX. REG. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|----------------------------------------------------|-------------------------------------------|---|
| VSRF3/8GVM210         | 3/8" BSP        | 50                                       | 30                                                 | 250                                       | - |
| VSRF1/2GVM210         | 1/2" BSP        | 90                                       | 50                                                 | 250                                       | - |
| VSRF3/4GVM210         | 3/4" BSP        | 150                                      | 90                                                 | 250                                       | - |

## Regulador de caudal compensados - tipo FPRF



Compensated flow control valve- FPRF type  
Régulateur de débit compensé - type FPRF  
Regolatore di flusso compensato - tipo FPRF

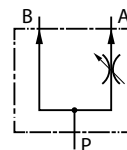


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. REG. FLOW (l/min)<br>CAUDAL MAX. REG. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | MAX. FLOW (l/min)<br>CAUDAL MÁX (l/min) | € |
|-----------------------|-----------------|----------------------------------------------------|-------------------------------------------|-----------------------------------------|---|
| VSRF 1/2 R            | 1/2" BSP        | 90                                                 | 250                                       | 90                                      | - |
| VSRF1/2G              | 1/2" BSP        | 50                                                 | 250                                       | 90                                      | - |
| VSRF3/4G              | 3/4" BSP        | 90                                                 | 250                                       | 150                                     | - |
| VSRF 1 G              | 1" BSP          | 150                                                | 250                                       | 240                                     | - |

## Regulador de caudal compensados - tipo TVTC



Compensated flow restrictor valve- TVTC type  
Étrangleur de débit compensé - type TVTC  
Regolatore di flusso compensato- tipo TVTC



| Part n°<br>Referencia | THREAD<br>ROSCA | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|------------------------------------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| TVTC-25-NV-1/2-3/4    | 1/2" BSP        | 1                                        | 25 L                                     | 315                                       | 8                                                  | - |
| TVTC-50-NV-1/2-3/4    | 1/2" BSP        | 1                                        | 50 L                                     | 315                                       | 8                                                  | - |

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
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PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

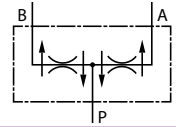


## Divisores compensados 50% tipo VDP-material fundido

Flow divider 50% cast iron body

Diviseurs de débit à 50% - matériel fondu

Divisori compensati 50% tipo VDP - corpo in fusione



| Part n°<br>Referencia | THREAD<br>ROSCA | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | € |
|-----------------------|-----------------|------------------------------------------|------------------------------------------|---|
| VDP 02-10             | 3/8" BSP        | 3                                        | 6                                        | - |
| VDP 02-15             | 3/8" BSP        | 6                                        | 10                                       | - |
| VDP 02-20             | 3/8" BSP        | 10                                       | 20                                       | - |
| VDP 02-22             | 3/8" BSP        | 20                                       | 32                                       | - |
| VDP 02-25             | 1/2" BSP        | 25                                       | 40                                       | - |
| VDP 02-30             | 1/2" BSP        | 40                                       | 60                                       | - |
| VDP 02-50             | 1/2" BSP        | 60                                       | 80                                       | - |

La primera rosca corresponde con P, y la segunda con A y B. / The first thread is for P, and the second for A and B. / Le premier filetage concerne P, et le second A et B. / Il primo filetto corrisponde alla P, e il secondo con A e B

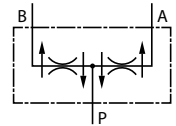


## Divisores de caudal al 50% - tipo FPFD

Flow dividers 50% spring operated

Diviseurs de débit à 50% à ressort

Divisori di flusso al 50% - tipo FPFD



| Part n°<br>Referencia  | THREAD<br>ROSCA |           | FLOW (l/min)<br>CAUDAL (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|------------------------|-----------------|-----------|--------------------------------|-------------------------------------------|---|
| VSFD S10 CB 3/8 3/8 SA | 3/8" BSP        | 3/8" BSPP | 1-5                            | 350                                       | - |
| VSFD S10 CB 3/8 3/8 SE | 3/8" BSP        | 3/8" BSPP | 5-10                           | 350                                       | - |
| VSFD S10 CB 3/8 3/8 SI | 3/8" BSP        | 3/8" BSPP | 10-20                          | 350                                       | - |
| VSFD S10 CB 1/2-3/8 SM | 1/2" BSP        | 3/8" BSPP | 20-40                          | 350                                       | - |
| VSFD S10 CB 1/2-3/8 SQ | 1/2" BSP        | 3/8" BSPP | 40-50                          | 350                                       | - |
| VSFD S12 CB 1/2 1/2 SA | 1/2" BSP        | 1/2" BSPP | 50-75                          | 350                                       | - |
| VSFD S12 CB 3/4 1/2 SE | 3/4" BSP        | 1/2" BSPP | 75-100                         | 350                                       | - |
| VSFD S16 CB 3/4-3/4 SA | 3/4" BSP        | 3/4" BSPP | 80-115                         | 350                                       | - |
| VSFD S16 CB 1 3/4 SE   | 1" BSP          | 3/4" BSPP | 115-150                        | 350                                       | - |

La primera rosca corresponde con P, y la segunda con A y B. / The first thread is for P, and the second for A and B. / Le premier filetage concerne P, et le second A et B. / Il primo filetto corrisponde alla P, e il secondo con A e B

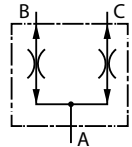


## Divisores de caudal al 50% - tipo DTP

Flow dividers 50% spring operated

Diviseurs de débit à 50% à ressort

Divisori di flusso al 50% - tipo DTP



| Part n°<br>Referencia | THREAD<br>ROSCA | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE (µm)<br>GRADO DE FILTRACIÓN (µm) | € |
|-----------------------|-----------------|------------------------------------------|------------------------------------------|-------------------------------------------|----------------------------------------------------|---|
| DTP-6-35-G3/8         | 3/8" BSP        | 12                                       | 35                                       | 350                                       | 8 µm                                               | - |
| DTP-6-50-G3/8         | 3/8" BSP        | 16                                       | 50                                       | 350                                       | 8 µm                                               | - |

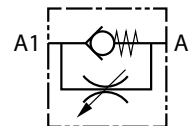


## Estrangulador unidireccional (regulable)

Adjustable unidirectional barrel valve

Étrangleur unidirectionnel réglable

Strozzatore unidirezionale (regolabile)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSMU 1/4              | 1/4" BSP        | 12                                       | 350                                       | - |
| VSMU 3/8              | 3/8" BSP        | 30                                       | 350                                       | - |
| VSMU 1/2              | 1/2" BSP        | 45                                       | 310                                       | - |
| VSMU 3/4              | 3/4" BSP        | 85                                       | 280                                       | - |
| VSMU 1                | 1" BSP          | 150                                      | 250                                       | - |

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
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Valvole idrauliche



## Estrangulador bidireccional (regulable)

Adjustable bidirectional barrel valve

Étrangleur bidirectionnel réglable

Strozzatore bidirezionale (regolabile)

NEW

A  B

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>VSMB 1/4</b>       | 1/4"            | 15                                       | 350                                       | - |
| <b>VSMB 3/8</b>       | 3/8"            | 35                                       | 350                                       | - |
| <b>VSMB 1/2</b>       | 1/2"            | 50                                       | 350                                       | - |
| <b>VSMB 3/4</b>       | 3/4"            | 90                                       | 310                                       | - |
| <b>VSMB 1</b>         | 1"              | 150                                      | 250                                       | - |

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS

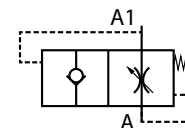
## Válvula paracaídas hembra-hembra



Hose break valve (female-female)

Valve parachute femelle-femelle

Valvola paracadute femmina-femmina



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>FVS 1/4</b>        | 1/4" BSP        | 25                                       | 350                                       | - |
| <b>FVS 3/8</b>        | 3/8" BSP        | 50                                       | 350                                       | - |
| <b>FVS 1/2</b>        | 1/2" BSP        | 80                                       | 350                                       | - |
| <b>FVS 3/4</b>        | 3/4" BSP        | 150                                      | 350                                       | - |
| <b>FVS 1</b>          | 1" BSP          | 200                                      | 300                                       | - |

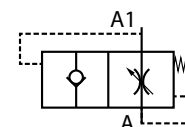
## Válvula paracaídas macho-hembra



Hose break valve (male-female)

Valve parachute male-femelle

Valvola paracadute maschio-femmina



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>MVS 1/4</b>        | 1/4" BSP        | 25                                       | 350                                       | - |
| <b>MVS 3/8</b>        | 3/8" BSP        | 50                                       | 350                                       | - |
| <b>MVS 1/2</b>        | 1/2" BSP        | 80                                       | 350                                       | - |
| <b>MVS 3/4</b>        | 3/4" BSP        | 150                                      | 350                                       | - |
| <b>MVS 1</b>          | 1" BSP          | 200                                      | 300                                       | - |

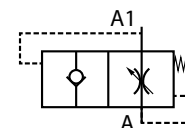
## Válvula paracaídas insertable - cierre total



Plug-in hose break valve

Valve parachute insertable- fermeture totale

Valvola paracadute inseribile -chiusura totale



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>VSP 1/4</b>        | 1/4" BSP        | 25                                       | 350                                       | - |
| <b>VSP 3/8</b>        | 3/8" BSP        | 50                                       | 350                                       | - |
| <b>VSP 1/2</b>        | 1/2" BSP        | 80                                       | 350                                       | - |
| <b>VSP 3/4</b>        | 3/4" BSP        | 150                                      | 350                                       | - |
| <b>VSP 1</b>          | 1" BSP          | 200                                      | 300                                       | - |

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

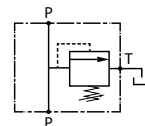


## Limitadora de presión en línea/regulación tornillo 250 bar

Pressure relief valve in line (screw control) 250 bar aluminium

Étrangleur débit bidirectionnel (molette métallique) Nouveau design

Valvola di regolazione pressione in linea / regolaz. a vite 250 bar -in alluminio



| Part n°<br>Referencia    | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX.(l/min) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | COLOUR<br>COLOR    | € |
|--------------------------|-----------------|-----------------------------------------|-------------------------------|-------------------------------------|--------------------|---|
| VSM D CB 40 P 3/8 05     | 3/8"BSP         | 40                                      | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 40 P 3/8 10     | 3/8"BSP         | 40                                      | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 40 P 3/8 20     | 3/8"BSP         | 40                                      | 50                            | 50-220                              | Verde / Green*     | - |
| VSM D CB 40 P 3/8 20-180 | 3/8"BSP         | 40                                      | 50                            | 50-220                              | Verde / Green*     | - |
| VSM D CB 40 P 1/2 05     | 1/2" BSP        | 40                                      | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 40 P 1/2 10     | 1/2" BSP        | 40                                      | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 40 P 1/2 20     | 1/2" BSP        | 40                                      | 50                            | 50-220                              | Verde / Green*     | - |
| VSM D CB 70 P 1/2 05     | 1/2" BSP        | 80                                      | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 70 P 1/2 10     | 1/2" BSP        | 80                                      | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 70 P 1/2 20     | 1/2" BSP        | 80                                      | 80                            | 80-280                              | Verde / Green*     | - |
| VSM D CB 70 P 3/4 05     | 3/4" BSP        | 80                                      | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 70 P 3/4 10     | 3/4" BSP        | 80                                      | 5                             | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 70 P 3/4 20     | 3/4" BSP        | 80                                      | 80                            | 80-280                              | Rojo/ red*         | - |

\*Color del muelle / \*Spring colour / \*Couleur du ressort / \*Colore della molla

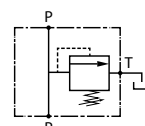


## Limitadora de presión en línea/regulación volante 250 bar

Pressure relief valve in line (steering-knob control) 250 bar

Limiteur pression en ligne/régulation par molette - 250 bar

Valvola di regolazione pressione in linea / regolaz. a volantino 250 bar -in alluminio



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX.(l/min) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | COLOUR<br>COLOR    | € |
|-----------------------|-----------------|-----------------------------------------|-------------------------------|-------------------------------------|--------------------|---|
| VSM D CB 40 R 3/8 05  | 1/2"BSP         | 40                                      | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 40 R 3/8 10  | 3/8"BSP         | 40                                      | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 40 R 3/8 20  | 3/8"BSP         | 40                                      | 50                            | 50-220                              | Verde / Green*     | - |
| VSM D CB 40 R 1/2 05  | 1/2"BSP         | 40                                      | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 40 R 1/2 10  | 1/2"BSP         | 40                                      | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 40 R 1/2 20  | 1/2"BSP         | 40                                      | 50                            | 50-220                              | Verde / Green*     | - |
| VSM D CB 70 R 1/2 05  | 1/2"BSP         | 80                                      | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 70 R 1/2 10  | 1/2"BSP         | 80                                      | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 70 R 1/2 20  | 1/2"BSP         | 80                                      | 80                            | 80-280                              | Verde / Green*     | - |
| VSM D CB 70 R 3/4 05  | 3/4"BSP         | 80                                      | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 70 R 3/4 10  | 3/4"BSP         | 80                                      | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 70 R 3/4 20  | 3/4"BSP         | 80                                      | 80                            | 80-280                              | Verde / Green*     | - |

\*Color del muelle / \*Spring colour / \*Couleur du ressort / \*Colore della molla

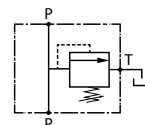


## Limitadora de presión en línea/tornillo-cuello para panel 250 bar

Pressure relief valve in line (screw control) panel 250 bar

Limiteur pression en ligne pour panneau/régulation par vis- 250 bar

Valvola regolaz. pressione in linea / regol. a vite, montaggio a pannello, 250 bar - alluminio



| Part n°<br>Referencia | THREAD<br>ROSCA | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | COLOUR<br>COLOR    | MAX. FLOW (l/min)<br>CAUDAL MÁX.(l/min) | € |
|-----------------------|-----------------|-------------------------------|-------------------------------------|--------------------|-----------------------------------------|---|
| VSM D CB 40F P 3/805  | 3/8"BSP         | 5                             | 5-50                                | Blanco / White*    | 40                                      | - |
| VSM D CB 40F P 3/810  | 3/8"BSP         | 30                            | 30-100                              | Amarillo / Yellow* | 40                                      | - |
| VSM D CB 40F P 3/820  | 3/8"BSP         | 50                            | 50-220                              | Verde / Green*     | 40                                      | - |
| VSM D CB 40F P 1/205  | 1/2"BSP         | 5                             | 5-50                                | Blanco / White*    | 40                                      | - |
| VSM D CB 40F P 1/210  | 1/2"BSP         | 30                            | 30-100                              | Amarillo / Yellow* | 40                                      | - |
| VSM D CB 40F P 1/220  | 1/2"BSP         | 50                            | 50-220                              | Verde / Green*     | 40                                      | - |
| VSM D CB 70F P 1/205  | 1/2"BSP         | 5                             | 5-50                                | Blanco / White*    | 80                                      | - |
| VSM D CB 70F P 1/210  | 1/2"BSP         | 30                            | 30-100                              | Amarillo / Yellow* | 80                                      | - |
| VSM D CB 70F P 1/220  | 1/2"BSP         | 80                            | 80-280                              | Verde / Green*     | 80                                      | - |
| VSM D CB 70F P 3/405  | 3/4"BSP         | 5                             | 5-50                                | Blanco / White*    | 80                                      | - |
| VSM D CB 70F P 3/410  | 3/4"BSP         | 30                            | 30-100                              | Amarillo / Yellow* | 80                                      | - |
| VSM D CB 70F P 3/420  | 3/4"BSP         | 80                            | 80-280                              | Verde / Green*     | 80                                      | - |

\*Color del muelle / \*Spring colour / \*Couleur du ressort / \*Colore della molla

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

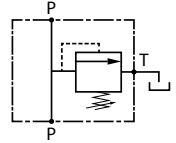


## Limitadora de presión en línea/volante-cuello para panel 250 bar

Pressure relief valve in line (steering-knob control) panel 250 bar

Limiteur pression en ligne pour panneau/régulation par molette - 250bar

Valvola regolaz. pressione in linea /regolaz. a volantino, montaggio a pannello, 250 bar - alluminio



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | COLOUR<br>COLOR    | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------|-------------------------------------|--------------------|---|
| VSM D CB 40F R 3/805  | 3/8"BSP         | 40                                       | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 40F R 3/810  | 3/8"BSP         | 40                                       | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 40F R 3/820  | 3/8"BSP         | 40                                       | 50                            | 50-220                              | Verde / Green*     | - |
| VSM D CB 40F R 1/205  | 1/2"BSP         | 40                                       | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 40F R 1/210  | 1/2"BSP         | 40                                       | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 40F R 1/220  | 1/2"BSP         | 40                                       | 80                            | 50-220                              | Verde / Green*     | - |
| VSM D CB 70F R 1/205  | 1/2"BSP         | 80                                       | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 70F R 1/210  | 1/2"BSP         | 80                                       | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 70F R 1/220  | 1/2"BSP         | 80                                       | 50                            | 80-280                              | Verde / Green*     | - |
| VSM D CB 70F R 3/405  | 3/4"BSP         | 80                                       | 5                             | 5-50                                | Blanco / White*    | - |
| VSM D CB 70F R 3/410  | 3/4"BSP         | 80                                       | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSM D CB 70F R 3/420  | 3/4"BSP         | 80                                       | 80                            | 80-280                              | Verde / Green*     | - |

\*Color del muelle / \*Spring colour / \*Couleur du ressort / \*Colore della molla

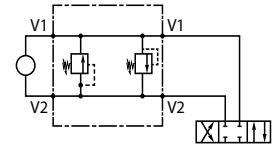


## Limitadora presión doble línea/regulación tornillo 250 bar

Pressure relief valve double in line (steel screw control) 250 bar

Limiteur pression double en ligne/régulation par vis- 250 bar

Valvola di regolazione pressione doppia in linea / regolaz. a vite 250 bar



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------|-------------------------------------|---|
| VSMD40ILP3/805        | 3/8"BSP         | 40                                       | 5                             | 5-50                                | - |
| VSMD40ILP3/810        | 3/8"BSP         | 40                                       | 30                            | 30-100                              | - |
| VSMD40ILP3/820        | 3/8"BSP         | 40                                       | 50                            | 50-220                              | - |
| VSMD40ILP3/835        | 3/8"BSP         | 40                                       | 80                            | 80-350                              | - |
| VSMD70ILP1/205        | 1/2"BSP         | 80                                       | 5                             | 5-50                                | - |
| VSMD70ILP1/210        | 1/2"BSP         | 80                                       | 30                            | 30-100                              | - |
| VSMD70ILP1/220        | 1/2"BSP         | 80                                       | 50                            | 50-220                              | - |
| VSMD70ILP1/235        | 1/2"BSP         | 80                                       | 80                            | 80-350                              | - |

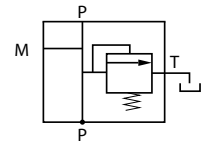


## Limitadora presión en línea /regulación tornillo acero

Pressure relief valve in line (screw control) steel

Valve limiteur pression en ligne/régulation par vis en acier

Valvola di regolazione pressione in linea / regolaz. a vite in acciaio



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VMP 3/8 50-250BAR     | 3/8"BSP         | 45                                       | 250                                       | 130                           | 50-250                              | - |
| VMP 3/8 80-300BAR     | 3/8"BSP         | 45                                       | 300                                       | 150                           | 80-300                              | - |
| VMP 1/2 50-250BAR     | 1/2"BSP         | 70                                       | 250                                       | 130                           | 50-250                              | - |
| VMP 1/2 80-300BAR     | 1/2"BSP         | 70                                       | 300                                       | 180                           | 80-300                              | - |
| VMP 3/4 50-250BAR     | 3/4"BSP         | 90                                       | 250                                       | 130                           | 50-250                              | - |
| VMP 3/4 80-300BAR     | 3/4"BSP         | 90                                       | 300                                       | 150                           | 80-300                              | - |
| VMPP 3/4 20-200BAR    | 3/4"BSP         | 120                                      | 400                                       | 180                           | 20-200                              | - |
| VMPP 3/4 50-400BAR    | 3/4"BSP         | 120                                      | 400                                       | 180                           | 50-400                              | - |
| VMPP 1 50-400BAR      | 1"BSP           | 160                                      | 400                                       | 180                           | 50-400                              | - |

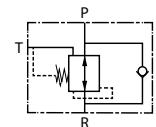


## Reductora presión en línea 210 bar 3/8" con retorno

Pressure reducing valve in line 210 bar 3/8" with check valve

Reducteur pression en ligne 210 bar 3/8" avec clapet

Valvola di riduzione pressione in linea 210 bar 3/8" con antiritorno



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | COLOUR<br>COLOR    | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|--------------------|---|
| VSRPUD30CB053/8P      | 3/8" BSP        | 30                                       | 210                                       | 5                             | 5 - 35                              | Blanco / White*    | - |
| VSRPUD30CB103/8P      | 3/8" BSP        | 30                                       | 210                                       | 10                            | 10 - 60                             | Amarillo / Yellow* | - |
| VSRPUD30CB203/8P      | 3/8" BSP        | 30                                       | 210                                       | 15                            | 15-100                              | Verde / Green*     | - |
| VSRPUD30CB353/8P      | 3/8" BSP        | 30                                       | 210                                       | 35                            | 35-180                              | Rojo / Red*        | - |

\*Color del muelle / \*Spring colour / \*Couleur du ressort / \*Colore della molla

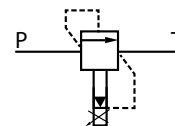
# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche



## Limitadoras de presión proporcionales

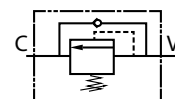
Proportional pressure relief valve  
Limiteurs de pression proportionnels  
Limitatori di pressione proporzionali



| Part n°<br>Referencia | THREAD<br>ROSCA | REGULATION RATE (BAR)<br>CAMPO DE REGULACION (BAR) | € |
|-----------------------|-----------------|----------------------------------------------------|---|
| VLPROP1/2A12VDC       | 1/2" BSP        | 0-80                                               | - |
| VLPROP1/2B12VDC       | 1/2" BSP        | 160-200                                            | - |
| VLPROP1/2C12VDC       | 1/2" BSP        | 90-290                                             | - |
| VLPROP1/2D12VDC       | 1/2" BSP        | 120-350                                            | - |
| VLPROP1/2A24VDC       | 1/2" BSP        | 0-80                                               | - |
| VLPROP1/2B24VDC       | 1/2" BSP        | 160-200                                            | - |
| VLPROP1/2C24VDC       | 1/2" BSP        | 90-290                                             | - |
| VLPROP1/2D24VDC       | 1/2" BSP        | 120-350                                            | - |

## Válvula secuencia con antirretorno (aluminio)

Sequence valve with check valve (aluminium)  
Valve de séquence avec antiretour (aluminium)  
Valvola di sequenza con antirritorno (alluminio)

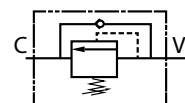


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | COLOUR<br>COLOR    | € |
|-----------------------|-----------------|-----------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|--------------------|---|
| VSSQ/D/30/CB/P/38-35  | 3/8" BSP        | 40                                      | 250                                       | 80                            | 80-350                              | Rojo / Red*        | - |
| VSSQ/40/12-10 AL      | 1/2" BSP        | 40                                      | 250                                       | 30                            | 30-100                              | Amarillo / Yellow* | - |
| VSSQ/40/12-35 AL      | 1/2" BSP        | 40                                      | 250                                       | 80                            | 80-350                              | Rojo / Red*        | - |

\*Color del muelle / \*Spring colour / \*Couleur du ressort / \*Colore della molla

## Válvula secuencia con antirretorno (acero)

Sequence valve with check valve (steel)  
Valve de séquence avec antiretour (acier)  
Valvola di sequenza con antirritorno (acciaio)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|-----------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VS2C3/8               | 3/8" BSP        | 35                                      | 350                                       | 90                            | 10 - 180                            | - |
| VS2C3/8 50-250        | 3/8" BSP        | 35                                      | 350                                       | 130                           | 50 - 250                            | - |
| VS2C1/2               | 1/2" BSP        | 70                                      | 350                                       | 90                            | 10 - 180                            | - |
| vs2c1/2 20-100        | 1/2" BSP        | 70                                      | 350                                       | 75                            | 20 - 100                            | - |
| VS2C1/2 50-250        | 1/2" BSP        | 70                                      | 350                                       | 130                           | 50 - 250                            | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

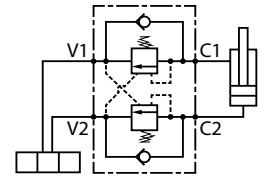
ACCESSORIES

MINI POWER PACKS

## Overcenter D.E.



Double acting overcenter valve (in line)  
Valve d'équilibrage double effet (en ligne)  
Valvola Overcenter D.E.

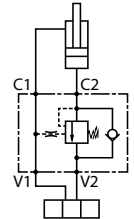


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSO D 3/8 L 20        | 3/8" BSP        | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSO D 3/8 L 35        | 3/8" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSO D 1/2 L 20        | 1/2" BSP        | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSO D 1/2 L 35        | 1/2" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |

## Overcenter S.E. pilotaje interno



Single acting overcenter valve (line-internal pilot)  
Valve d'équilibrage simple effet (en ligne-pilotage interne)  
Valvola Overcenter S.E. pilotaggio interno

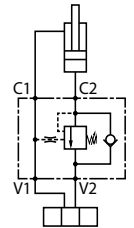


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSO S 1/4 LP 20       | 1/4" BSP        | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSO S 1/4 LP 35       | 1/4" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSO S 3/8 LP 20       | 3/8" BSP        | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSO S 3/8 LP 35       | 3/8" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSO S 1/2 LP20        | 1/2" BSP        | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSO S 1/2 LP35        | 1/2" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |

## Overcenter S.E. pilotaje interno 3/4"



Single acting overcenter valve internal pilot 3/4"  
Valve d'équilibrage simple effet pilotage interne 3/4"  
Valvola Overcenter S.E. pilotaggio interno 3/4"

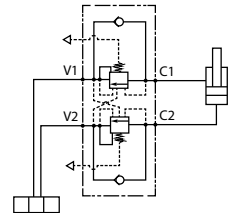


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSOE120S3/4LPA35      | 3/4" BSP        | 120                                      | 250                                       | 350                           | 120-350                             | - |

## Overcenter balanceada D. E.



Double acting balanced overcenter valve (line)  
Valve d'équilibrage balancée double effet (en ligne)  
Valvola Overcenter bilanciata D.E. (linea)

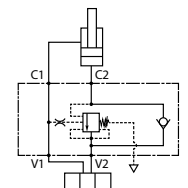


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSOB D 3/8 L 20       | 3/8" BSP        | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSOB D 3/8 L 35       | 3/8" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSOB D 1/2 L20        | 1/2" BSP        | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSOB D 1/2 L35        | 1/2" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSOB 150 D 3/4 L35    | 3/4" BSP        | 150                                      | 350                                       | 280                           | 100-350                             | - |

## Overcenter balanceada S.E. pilotaje interno



Single acting balanced overcenter valve (internal pilot)  
Valve d'équilibrage balancée simple effet (en ligne- pilotage interne)  
Valvola overcenter bilanciata S.E. pilotaggio interno



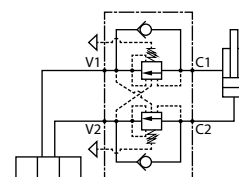
| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSOB S 1/4 LP 20      | 1/4" BSP        | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSOB S 1/4 LP 35      | 1/4" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSOB S 3/8 LP 20      | 3/8" BSP        | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSOB S 3/8 LP 35      | 3/8" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSOB S 1/2 LP20       | 1/2" BSP        | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSOB S 1/2 LP35       | 1/2" BSP        | 50                                       | 350                                       | 280                           | 80 - 350                            | - |

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

## Overcenter balanceada D.E.

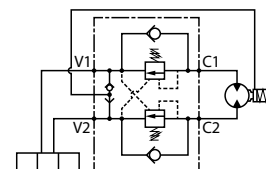
Double acting balanced overcenter valve  
Valve d'équilibrage balancée double effet  
Valvola Overcenter bilanciata D.E.



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSOEB120D3/4LA20      | 3/4" BSP        | 120                                      | 250                                       | 200                           | 60 - 210                            | - |
| VSOEB120D3/4LA35      | 3/4" BSP        | 120                                      | 250                                       | 250                           | 120 - 350                           | - |

## Overcenter D.E con línea "U", pilotaje freno

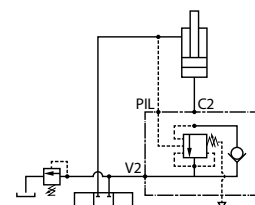
Double acting overcenter valve line U with brake release port  
Valves d'équilibrage double effet en ligne U avec pilotage frein  
Valvola Overcenter D.E. con linea U con pilotaggio freno



| Part n°<br>Referencia | THREAD<br>ROSCA   | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-------------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSO50D3/8LU20         | 3/8" BSP 1/4" BSP | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSO50D3/8LU35         | 3/8" BSP 1/4" BSP | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSO50D1/2LU20         | 1/2" BSP 1/4" BSP | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSO50D1/2LU35         | 1/2" BSP 1/4" BSP | 50                                       | 350                                       | 280                           | 80 - 350                            | - |

## Overcenter balanceada S.E. pilotaje externo

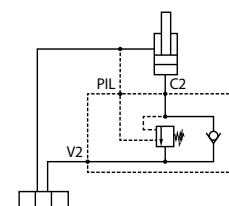
Single acting balanced overcenter valve (external pilot)  
Valve d'équilibrage balancée simple effet (pilotage externe)  
Valvola Overcenter bilanciata S.E. pilotaggio esterno



| Part n°<br>Referencia | THREAD<br>ROSCA   | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-------------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSOB S 1/4 L20        | 1/4" BSP 1/4" BSP | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSOB S 1/4 L35        | 1/4" BSP 1/4" BSP | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSOB S 3/8 L20        | 3/8" BSP 1/4" BSP | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSOB S 3/8 L35        | 3/8" BSP 1/4" BSP | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSOB S 1/2 L20        | 1/2" BSP 1/4" BSP | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSOB S 1/2 L35        | 1/2" BSP 1/4" BSP | 50                                       | 350                                       | 280                           | 80 - 350                            | - |

## Overcenter S.E. pilotaje externo

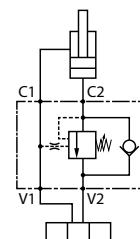
Single acting overcenter valve external pilot  
Valve d'équilibrage simple effet pilotage externe  
Valvola Overcenter S.E. pilotaggio esterno



| Part n°<br>Referencia | THREAD<br>ROSCA   | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-------------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSO S 1/4 L20         | 1/4" BSP 1/4" BSP | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSO S 1/4 L35         | 1/4" BSP 1/4" BSP | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSO S 3/8 L20         | 3/8" BSP 1/4" BSP | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSO S 3/8 L35         | 3/8" BSP 1/4" BSP | 50                                       | 350                                       | 280                           | 80 - 350                            | - |
| VSO S 1/2 L20         | 1/2" BSP 1/4" BSP | 50                                       | 350                                       | 170                           | 60 - 210                            | - |
| VSO S 1/2 L35         | 1/2" BSP 1/4" BSP | 50                                       | 350                                       | 280                           | 80 - 350                            | - |

## Overcenter S.E. pilotaje interno

Single acting overcenter valve internal pilot  
Valves d'équilibrage simple effet pilotage interne  
Valvola Overcenter S.E. pilotaggio interno



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSOE70S1/2LPA20       | 1/2" BSP        | 70                                       | 350                                       | 200                           | 60-210                              | - |
| VSOE70S1/2LPA35       | 1/2" BSP        | 70                                       | 350                                       | 350                           | 120-350                             | - |

# VÁLVULAS HIDRÁULICAS

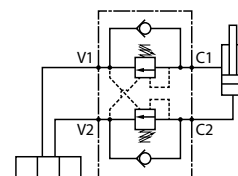
Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS

## Overcenter D.E. (en línea)



Double acting overcenter valve  
Valve d'équilibrage double effet  
Valvola Overcenter D.E. (in linea)

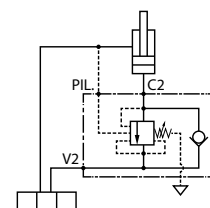


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|-----------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSOE40D3/8LA20        | 3/8" BSP        | 40                                      | 350                                       | 200                           | 60-210                              | - |
| VSOE40D3/8LA35        | 3/8" BSP        | 40                                      | 350                                       | 250                           | 120-350                             | - |
| VSOE120D3/4LA20       | 3/4" BSP        | 120                                     | 350                                       | 200                           | 60-210                              | - |
| VSOE120D3/4LA35       | 3/4" BSP        | 120                                     | 350                                       | 250                           | 120-350                             | - |

## Overcenter balanceada S.E. pilotaje externo



Single acting balanced overcenter valve external pilot  
Valve d'équilibrage balancée simple effet pilotage externe  
Valvola Overcenter bilanciata S.E. pilotaggio esterno

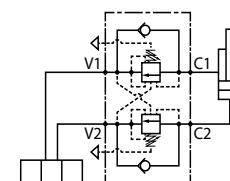


| Part n°<br>Referencia | THREAD<br>ROSCA |          | MAX. FLOW (l/min)<br>CAUDAL MÁX.(l/min) | MAX. PRESSURE (bar)<br>PRESION MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|----------|-----------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSOB50S3/8L20         | 3/8" BSP        | 1/4" BSP | 50                                      | 350                                       | 170                           | 60-210                              | - |
| VSOB50S3/8L35         | 3/8" BSP        | 1/4" BSP | 50                                      | 350                                       | 280                           | 80-350                              | - |
| VSOB50S1/2L20         | 1/2" BSP        | 1/4" BSP | 50                                      | 350                                       | 170                           | 60-210                              | - |
| VSOB50S1/2L35         | 1/2" BSP        | 1/4" BSP | 50                                      | 350                                       | 280                           | 80-350                              | - |

## Overcenter balanceada D.E.



Double acting balanced overcenter valve  
Valve d'équilibrage balancée double effet  
Valvola Overcenter bilanciata D.E.



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|-----------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSOEB70D1/2LA20       | 1/2" BSP        | 70                                      | 250                                       | 200                           | 60-210                              | - |
| VSOEB70D1/2LA35       | 1/2" BSP        | 70                                      | 250                                       | 250                           | 80-350                              | - |

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

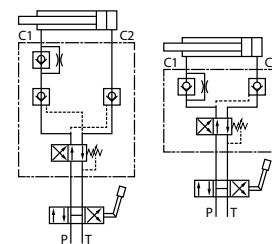
# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

## Válvulas inversoras de cilindro (volteo)



Plough Overturning Valve  
Valve de retournement de charrue  
Valvole di inversione per cilindri

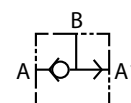


| Part n°<br>Referencia | THREAD<br>ROSCA | CYLINDER WITH PISTON<br>CILINDRO CON PISTON | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|---------------------------------------------|------------------------------------------|-------------------------------------------|---|
| <b>VRA 60/80 S.E.</b> | 3/8" BSP        | 60-80mm                                     | 50                                       | 400                                       | - |
| <b>VRAP 80/100 DE</b> | 3/8" BSP        | 80-100mm                                    | 90                                       | 400                                       | - |

## Conmutadora o selectora



Shuttle valve  
Valve sélectrice à bille  
Commutatore o selettore



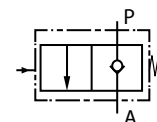
| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>VST 1/4</b>        | 1/4" BSP        | 25                                       | 350                                       | - |
| <b>VST 3/8</b>        | 3/8" BSP        | 50                                       | 350                                       | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

## Fin de carrera para basculantes- acero



End of stroke valve for trucks (steel)  
Valve fin de course pour camion en acier  
Fine corsa per basculanti - acciaio

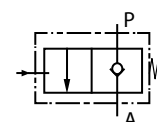


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>VFC12</b>          | 1/2"            | 60                                       | 350                                       | - |
| <b>VFC34</b>          | 3/4"            | 100                                      | 350                                       | - |

## Fin de carrera industriales - acero



End of stroke valve industrial application (steel)  
Valve fin de course industriel en acier  
Fine corsa industriali -acciaio

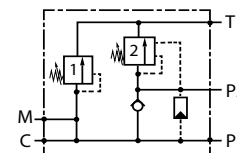


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| <b>FC 14 AC</b>       | 1/4" BSP        | 25                                       | 250                                       | - |
| <b>FC 38 AC</b>       | 3/8" BSP        | 45                                       | 250                                       | - |

## Válvulas de alta y baja roscadas



Pump unloading valve with additional relief valve  
Conjecteur disjoncteur haute et basse pression  
Valvole filettate alta e bassa



| Part n°<br>Referencia       | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESIÓN TRABAJO (bar) | € |
|-----------------------------|-----------------|----------------------------------------------|---|
| <b>VSMSE PD-P-3/8 20-10</b> | 3/8" BSP        | 20-100, 50-220                               | - |
| <b>VSMSE PD-P-3/8 35-20</b> | 3/8" BSP        | 50-220, 80-350                               | - |



# VÁLVULAS HIDRÁULICAS

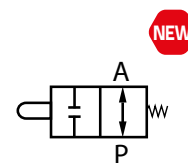
Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS



## Fin de carrera aluminio normalmente abierto

End of stroke valve (Normally open version)  
Valve fin de course (Normalement Ouverte)  
Finecorsa in alluminio normalmente aperto



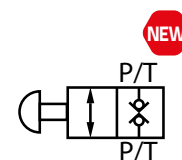
| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| VFCNA38               | 3/8" BSP        | - |

CONTROL COMPONENTS



## Válvulas Hidráulicas manuales de emergencia N.C.

Emergency manual valve (Normally Closed)  
Valve manuelle d'urgence (Normalement Fermée)  
Valvola manuale di emergenza (normalmente chiusa)



| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| VEM 1/2               | 1/2" BSP        | - |

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

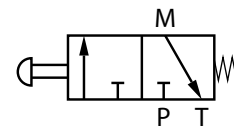
# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche



## Exclusor de manómetro (montaje panel)

Selector for one manometer  
Isolateur de un manomètre (montage sur panneau)  
Esclusore di un manometro (montaggio a pannello)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| VSEP 1/4              | 1/4" BSP        | 350                                       | - |



## Protector de manómetro recto

Pressure gauge protector  
Isolateur de manomètre droit  
Esclusore per manometro



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| VSE 1G 1/4            | 1/4" BSP        | 350                                       | - |
| VSE 2G 1/4            | 1/4" BSP        | 350                                       | - |

VSE 1G 1/4: Macho fijo-hembra giratoria. VSE 2G 1/4: hembra giratoria- hembra giratoria / VSE 1G 1/4: Male- swivel female. VSE 2G 1/4: swivel female- swivel female / VSE 1G 1/4: Mâle - femelle tournante. VSE 2G 1/4: femelle tournante- femelle tournante / VSE 1G 1/4: Maschio- Femmina girevole. VSE 2G 1/4: Femmina girevole- Femmina girevole.



## Protector de manómetro a 90°

90° pressure gauge protector  
Isolateur de manomètre coudé a 90°  
Esclusore per manometro a 90°



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| VSEA 1G 1/4           | 1/4" BSP        | 350                                       | - |
| VSEA 2G 1/4           | 1/4" BSP        | 350                                       | - |

VSEA 1G 1/4: Macho fijo-hembra giratoria. VSEA 2G 1/4: hembra giratoria- hembra giratoria / VSEA 1G 1/4: Male- swivel female. VSEA 2G 1/4: swivel female- swivel female / VSEA 1G 1/4: Mâle - femelle tournante. VSEA 2G 1/4: femelle tournante- femelle tournante / VSEA 1G 1/4: Maschio- Femmina girevole. VSEA 2G 1/4: Femmina girevole- Femmina girevole.

## Accesorios para protector de manómetro

Pressure gauge protector accessories  
Accessoires pour isolateur de manomètre  
Accessori per protezione manometri



| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| 1004000010            | 1/4" BSPT       | - |

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

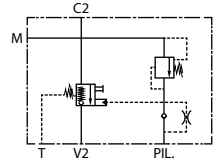
ACCESSORIES

MINI POWER PACKS



## Válvula excavadora bloqueo y control, 3/8" dcha

Flow check and metering excavator valve, 3/8, right  
Valve excavatrice, de blocage et control, 3/8", droite  
Valvola per scavatori di blocco e controllo 3/8" versione destra

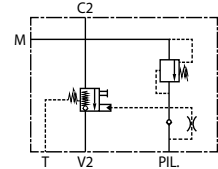


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSEXC35S3/8LDX0550    | 3/8" BSP        | 35                                       | 420                                       | - |



## Válvula excavadora bloqueo y control, 3/8" izq

Flow check and metering excavator valve, 3/8, left  
Valve excavatrice, de blocage et control, 3/8", gauche  
Valvola per scavatori di blocco e controllo 3/8" versione sinistra

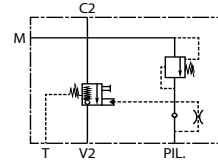


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSEXC35S3/8LSX0550    | 3/8" BSP        | 35                                       | 420                                       | - |



## Válvula excavadora bloqueo y control, 1/2" dcha

Flow check and metering excavator valve, 1/2, right  
Valve excavatrices, de blocage et control, 1/2", droite  
Valvola per scavatori di blocco e controllo 1/2" versione destra

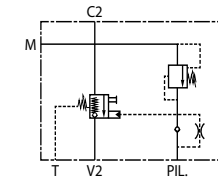


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSEXC90S1/2LDX0550    | 1/2" BSP        | 100                                      | 420                                       | - |



## Válvula excavadora bloqueo y control, 1/2" izq

Flow check and metering excavator valve, 1/2, left  
Valve excavatrices, de blocage et control, 1/2", gauche  
Valvola per scavatori di blocco e controllo 1/2" versione sinistra

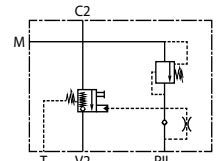


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSEXC90S1/2LSX0550    | 1/2" BSP        | 100                                      | 420                                       | - |



## Válvula excavadora bloqueo y control, 3/4" dcha

Flow check and metering excavator valve, 3/4, right  
Valve excavatrices, de blocage et control, 3/4", droite  
Valvola per scavatori di blocco e controllo 3/4" versione destra

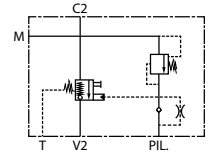


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSEXC150S3/4LDX0550   | 3/4" BSP        | 150                                      | 420                                       | - |



## Válvula excavadora bloqueo y control, 3/4" izq

Flow check and metering excavator valve, 3/4, left  
Valve excavatrices, de blocage et control, 3/4", gauche  
Valvola per scavatori di blocco e controllo 3/4" versione sinistra



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSEXC150S3/4LSX0550   | 3/4" BSP        | 150                                      | 420                                       | - |

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

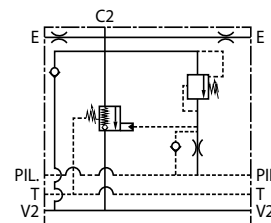


## Válvula excavadora bloqueo y control, 250 l/min

Flow check and metering excavator valve, 250 l/min

Valve excavatrices, de blocage et control, 250 l/min

Valvola per scavatori di blocco e controllo, 250 l/min



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSEXC250S3/41F3000    | 3/4" SAE 3000   | 250                                      | 420                                       | - |
| VSEXC250S3/41F6000    | 3/4" SAE 6000   | 250                                      | 420                                       | - |

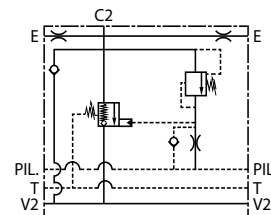


## Válvula excavadora bloqueo y control, 400 l/min

Flow check and metering excavator valve, 400 l/min

Valve excavatrices, de blocage et control, 400 l/min

Valvola per scavatori di blocco e controllo, 400 l/min



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSEXC400S11F6000      | 1" SAE 6000     | 400                                      | 420                                       | - |

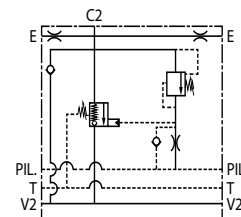


## Válvula excavadora bloqueo y control, 500 l/min

Flow check and metering excavator valve, 500 l/min

Valve excavatrices, de blocage et control, 500 l/min

Valvola per scavatori di blocco e controllo, 500 l/min



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSEXC500S11/41F6000   | 1"1/4 SAE 6000  | 500                                      | 420                                       | - |

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

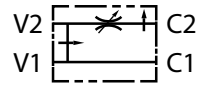


## Válvulas reguladora caudal sobre motor tipo MOMP/MOMR/MOMH

Flow control valve over motor MOMP/MOMR/MOMH type

Régulateur de débit flasquable moteurs type MOMP/MOMR/MOMH

Regolatori di flusso su motore tipo MOMP/MOMR/MOMH



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSRF90DVD2R1/2        | 1/2" BSP        | 90                                       | 250                                       | - |



## Válvulas reguladoras de caudal sobre motor tipo MOMS

Flow control valve over motor MOMS type

Régulateur de débit flasquable moteurs type MOMS

Regolatori di flusso su motore tipo MOMS



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSRF90DVD3R1/2        | 1/2" BSP        | 90                                       | 250                                       | - |



## Válvulas reguladoras de caudal sobre motor tipo MOMT

Flow control valve over motor MOMT type

Régulateur de débit flasquable moteurs type MOMT

Regolatori di flusso su motore tipo MOMT



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| VSRF90DFD4R1/2        | 3/4" BSP        | 90                                       | 250                                       | - |

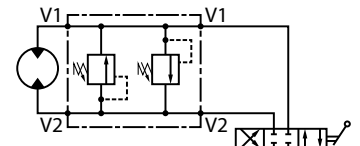


## Válvulas limitadoras de presión sobre motor tipo MOMM

Pressure relief valve over motor MOMM type

Limiteur de pression flasquable moteurs type MOMM

Valvole limitatrici di pressione su motore tipo MOMM



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSMD15DVD13/805P      | 3/8" BSP        | 15                                       | 250                                       | 5                             | 5-60                                | - |
| VSMD15DVD13/810P      | 3/8" BSP        | 15                                       | 250                                       | 20                            | 20-130                              | - |
| VSMD15DVD13/820P      | 3/8" BSP        | 15                                       | 250                                       | 40                            | 40-240                              | - |
| VSMD15DVD13/835P      | 3/8" BSP        | 15                                       | 250                                       | 50                            | 50-350                              | - |

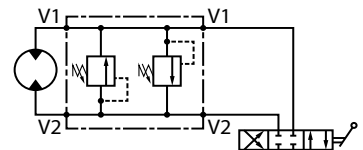


## Válvulas limitadoras de presión sobre motor tipo MOMP/MOMR/MOMH

Pressure relief valve over motor MOMP/MOMR/MOMH type

Limiteur de pression flasquable moteurs type MOMP/MOMR/MOMH

Valvole limitatrici di pressione su motore tipo MOMP/MOMR/MOMH



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSMD40DFD21/205P      | 1/2" BSP        | 40                                       | 250                                       | 5                             | 5-50                                | - |
| VSMD40DFD21/210P      | 1/2" BSP        | 40                                       | 250                                       | 30                            | 30-100                              | - |
| VSMD40DFD21/220P      | 1/2" BSP        | 40                                       | 250                                       | 50                            | 50-220                              | - |
| VSMD40DFD21/235P      | 1/2" BSP        | 40                                       | 250                                       | 80                            | 80-350                              | - |

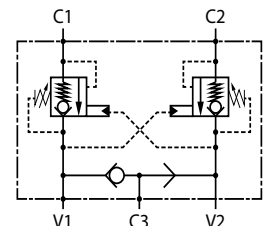


## Valvulas overcenter sobre motor tipo MOMP/MOMR/MOMH

Overcenter valves over motor MOMP/ MOMR/MOMH type

Valves flasquables d'équilibrage sur moteurs type MOMP/MOMR/MOMH

Valvole Overcenter su motore tipo MOMP/MOMR/MOMH



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSO50DVD21/2U35       | 1/2" BSP        | 50                                       | 250                                       | 280                           | 80-350                              | - |

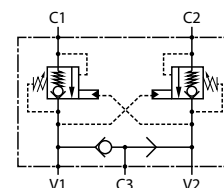
# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche



## Válvulas overcenter sobre motor tipo MOMS

Overcenter valves over motor MOMS type  
Valves flasquables d'équilibrage sur moteurs type MOMS  
Valvole Overcenter su motore tipo MOMS

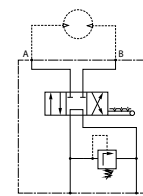


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSO50DVD31/2U35       | 1/2" BSP        | 50                                       | 250                                       | 280                           | 80-350                              | - |



## Distr.man.sobre motor tipo MOMP/R/H, D.E.con limit.de pres.

Manual control valve for MOMP/MOMR/MOMH, double acting with pressure relief valve  
Distributeurs manuelles flasquable pour type MOMP/MOMR/MOMH, D.E. avec limiteur de pression  
Distributore manuale su motore tipo MOMP/R/H, D.E. con limit. di pressione

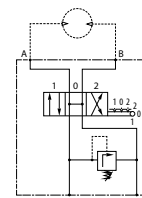


| Part n°<br>Referencia | THREAD<br>ROSCA | MAXIMUM FLOW<br>CAUDAL MÁXIMO (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|---------------------------------------|-------------------------------------------|---|
| BDR1205/25A           | 1/2" BSP        | 50                                    | 210                                       | - |



## Distr.man.sobre motor tipo MOMP/R/H, MOTOR con limit.de pres.

Manual control valve for MOMP/MOMR/MOMH, with pressure relief valve  
Distributeurs manuelles flasquable pour type MOMP/MOMR/MOMH, avec limiteur de pression  
Distributore manuale su motore tipo MOMP/R/H, MOTORE con limit. di pressione

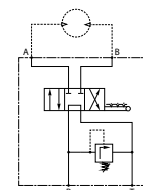


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| BDR1204/25A           | 1/2" BSP        | 50                                       | 210                                       | - |



## Distr.man.sobre motor tipo MOMS, D.E.con limit.de pres.

Manual control valve for MOMS, double acting with pressure relief valve  
Distributeurs manuelles flasquable pour type MOMS, D.E. avec limiteur de pression  
Distributore manuale su motore tipo MOMS, D.E. con limit. di pressione

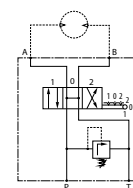


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| BDS1204/25A           | 1/2" BSP        | 50                                       | 250                                       | - |



## Distr.man. sobre motor tipo MOMS, MOTOR con limit.de pres.

Manual control valve for MOMS, with pressure relief valve  
Distributeurs manuelles flasquable pour type MOMS, avec limiteur de pression  
Distributore manuale su motore tipo MOMS, MOTORE con limit. di pressione



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| BDS1205/25A           | 1/2" BSP        | 50                                       | 250                                       | - |

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS

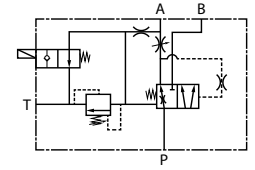
## Válvula eléctrica martillos



Hammer control valve

Valve électrique pour actionnement marteaux

Valvola per azionamento martelli



| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | SETTING (bar)<br>TARAJE (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------------------|------------------------------------------|-------------------------------------------|-------------------------------|-------------------------------------|---|
| VSEXCHEV123/4S20      | 12 VDC                     | 200                                      | 350                                       | 200                           | 50-210                              | - |
| VSEXCHEV123/4S35      | 12 VDC                     | 200                                      | 350                                       | 350                           | 100-350                             | - |
| VSEXCHEV243/4S20      | 24 VDC                     | 200                                      | 350                                       | 200                           | 50-210                              | - |
| VSEXCHEV243/4S35      | 24 VDC                     | 200                                      | 350                                       | 350                           | 100-350                             | - |

CONTROL COMPONENTS

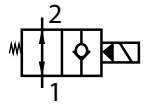
## Válvula completa bidireccional N.A.



Normally open 2 ways valve

Valve normalement ouverte 2 voies

Valvola bidirezionale completa N.A.



| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| VCC08NA12CC           | 3/8" BSP        | 12CC                       | 35                                       | 230                                       | - |
| VCC08NA24CC           | 3/8" BSP        | 24CC                       | 35                                       | 230                                       | - |
| VCC08NA220AC          | 3/8" BSP        | 220AC                      | 35                                       | 230                                       | - |
| VCC10NA12CC           | 1/2" BSP        | 12CC                       | 80                                       | 230                                       | - |
| VCC10NA24CC           | 1/2" BSP        | 24CC                       | 80                                       | 230                                       | - |
| VCC10NA220AC          | 1/2" BSP        | 220AC                      | 80                                       | 230                                       | - |
| VCC12NA12CC           | 3/4" BSP        | 12CC                       | 115                                      | 210                                       | - |
| VCC12NA24CC           | 3/4" BSP        | 24CC                       | 115                                      | 210                                       | - |
| VCC12NA220AC          | 3/4" BSP        | 220AC                      | 115                                      | 210                                       | - |

MOTION DEVICE

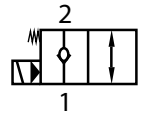
## Válvula completa bidireccional N.C.



Normally closed 2 ways valve

Valve normalement fermée 2 voies

Valvola bidirezionale completa N.C.



| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| VCC08NC12CC           | 3/8" BSP        | 12CC                       | 35                                       | 230                                       | - |
| VCC08NC24CC           | 3/8" BSP        | 24CC                       | 35                                       | 230                                       | - |
| VCC08NC220AC          | 3/8" BSP        | 220AC                      | 35                                       | 230                                       | - |
| VCC10NC12CC           | 1/2" BSP        | 12CC                       | 80                                       | 230                                       | - |
| VCC10NC24CC           | 1/2" BSP        | 24CC                       | 80                                       | 230                                       | - |
| VCC10NC220CA          | 1/2" BSP        | 220CA                      | 80                                       | 230                                       | - |
| VCC12NC12CC           | 3/4" BSP        | 12CC                       | 115                                      | 210                                       | - |
| VCC12NC24CC           | 3/4" BSP        | 24CC                       | 115                                      | 210                                       | - |
| VCC12NC220AC          | 3/4" BSP        | 220AC                      | 115                                      | 210                                       | - |

ACCESSORIES

## Bloque válvula dos vías



Block 2 ways valve

Bloc valve-2 voies

Valvola di blocco a 2 vie

| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMANO | €  |
|-----------------------|-----------------|----------------|----|
| CVE04C                | 3/4-16UNF       | 3/8" BSP       | 8  |
| CVE06C                | 7/8-14UNF       | 3/8" BSP       | 10 |
| CVE08C                | 1"1/16-12UNF    | 1/2" BSP       | 12 |
| CVE08C1               | 7/8" - 14UNF    | 1/2" BSP       | 10 |
| CVE12C                | 1"1/16-12UNF    | 3/4" BSP       | 12 |

La 1ª rosca corresponde con la rosca de la válvula y la 2ª con las utilizaciones / 1st thread corresponds to the screw thread of the valve and the 2nd to the use given / 1er filetage correspond au filetage de la valve et le deuxième aux utilisations / Il 1° filetto corrisponde con il filetto della valvola e il 2° con gli utilizzi

MINI POWER PACKS



# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche



## Bloque válvula tres vías 3/8

Block 3 ways 3/8 valve

Bloc valve-3 voies 3/8

Valvola di blocco a 3 vie 3/8

| Part n°<br>Referencia | FOR VALVE<br>PARA VÁLVULA | VALVE THREAD<br>ROSCA VÁLVULA | SIZE<br>TAMANO | € |
|-----------------------|---------------------------|-------------------------------|----------------|---|
| <b>CVE302C</b>        | ALVEAR                    | M22x1,5                       | 6              | - |
| <b>CVE304C</b>        | VECO08                    | 3/4" UNF                      | 8              | - |
| <b>CVE308C</b>        | VECO10                    | 7/8" UNF                      | 10             | - |

La 1ª rosca corresponde con la rosca de la válvula y la 2ª con las utilizations / 1st thread corresponds to the screw thread of the valve and the 2nd to the use given / 1er filetage correspond au filetage de la valve et le deuxième aux utilisations / Il 1° filetto corrisponde con il filetto della valvola e il 2° con gli utilizzi



## Bloque válvula tres vías 1/2

Block 3 ways 1/2 valve

Bloc valve-3 voies 1/2

Valvola di blocco a 3 vie 1/2

| Part n°<br>Referencia | FOR VALVE<br>PARA VÁLVULA | VALVE THREAD<br>ROSCA VÁLVULA | € |
|-----------------------|---------------------------|-------------------------------|---|
| <b>CVE306C</b>        | VECO12                    | 1"1/16 UNF                    | - |

La 1ª rosca corresponde con la rosca de la válvula y la 2ª con las utilizations / 1st thread corresponds to the screw thread of the valve and the 2nd to the use given / 1er filetage correspond au filetage de la valve et le deuxième aux utilisations / Il 1° filetto corrisponde con il filetto della valvola e il 2° con gli utilizzi



## Bloque válvula cuatro vías

Block 4 ways valve

Bloc valve-4 voies

Valvola di blocco a 4 vie

| Part n°<br>Referencia | FOR VALVE<br>PARA VÁLVULA | VALVE THREAD<br>ROSCA VÁLVULA | SIZE<br>TAMANO | € |
|-----------------------|---------------------------|-------------------------------|----------------|---|
| <b>CVE404C</b>        | VEFL08                    | 3/4" UNF                      | 8              | - |
| <b>CVE408C</b>        | VEFL10,VEDE10,VECM10      | 7/8" UNF                      | 10             | - |

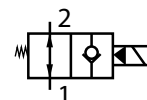
La 1ª rosca corresponde con la rosca de la válvula y la 2ª con las utilizations / 1st thread corresponds to the screw thread of the valve and the 2nd to the use given / 1er filetage correspond au filetage de la valve et le deuxième aux utilisations / Il 1° filetto corrisponde con il filetto della valvola e il 2° con gli utilizzi

## Válvulas de acc. eléctrico insertable normalmente abierta

Carttridge valve 2 ways normally open

Cartouche valve 2 voies normalement ouverte

Valvole per azionamento elettrico a cartuccia N.A.



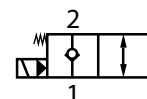
| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>VENA08</b>         | 3/4"-16UNF      | 8              | 35                                       | 230                                       | - |
| <b>VENA10</b>         | 7/8"-14UNF      | 10             | 80                                       | 230                                       | - |
| <b>VENA12</b>         | 1"1/16-12UNF    | 12             | 115                                      | 210                                       | - |

## Válvulas de acc. eléctrico insertable normalmente cerrada

Carttridge valve 2 ways normally closed

Cartouche valve 2 voies normalement fermée

Valvole per azionamento elettrico a cartuccia N.C.



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMANO | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| <b>VENC08</b>         | 3/4"-16UNF      | 8              | 35                                       | 230                                       | - |
| <b>VENC10</b>         | 7/8"-14UNF      | 10             | 80                                       | 230                                       | - |
| <b>VENC12</b>         | 1"1/16-12UNF    | 12             | 115                                      | 210                                       | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche

PUMPS

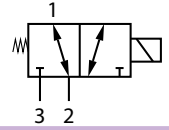
## Válvulas de acc. eléctrico insertable 3 vías



Cartdrigde valve 3 ways

Cartouche valve 3 voies

Valvole per azionamento elettrico a cartuccia a 3 vie



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| VECO08                | 3/4"-16UNF      | 8              | 17                                       | 230                                       | - |
| VECO10                | 7/8"-14UNF      | 10             | 28                                       | 230                                       | - |
| VECO12                | 1"1/16-12UNF    | 14             | 60                                       | 240                                       | - |

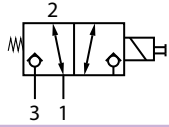
## Válvulas de acc. eléctrico insertable 3 vías con antirretornos



Cartdrigde valve 3 ways with check valve

Cartouche valve 3 voies avec antiretour

Valvole per azionamento elettrico a cartuccia a 3 vie con antiritorno



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| ALVEAR06              | M22x1.5         | 10             | 20                                       | 230                                       | - |

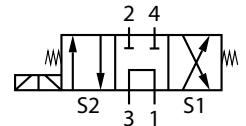
## Válvulas de acc.eléctrico insertable 4 vías 3 pos.corr.n°2



Cartdrigde valve 4 ways 3 pos. spool n°2

Cartouche valve 4 voies 3 pos.tiroir n°2

Valvole per azionamento elettrico a cartuccia a 4 vie, 3 posiz., cursore n.2



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| VECM10                | 7/8"-14UNF      | 10             | 16                                       | 230                                       | - |

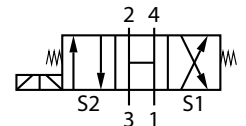
## Válvulas de acc.eléctrico insertable 4 vías 3 pos.corr.n°3



Cartdrigde valve 4 ways 3 pos. spool n°3

Cartouche valve 4 voies 3 pos.tiroir n°3

Valvole per azionamento elettrico a cartuccia a 4 vie, 3 posiz., cursore n.3



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| VEDE10                | 7/8"-14UNF      | 10             | 15                                       | 230                                       | - |

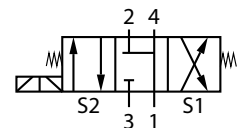
## Válvulas de acc.eléctrico insertable 4 vías 3 pos.corr.n°6



Cartdrigde valve 4 ways 3 pos. spool n°6

Cartouche valve 4 voies 3 pos.tiroir n°6

Valvole per azionamento elettrico a cartuccia a 4 vie, 3 posiz., cursore n.6



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMAÑO | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|----------------|------------------------------------------|-------------------------------------------|---|
| VEFLO8                | 3/4"-16UNF      | 8              | 10                                       | 230                                       | - |
| VEFL10                | 7/8"-14UNF      | 10             | 20                                       | 230                                       | - |

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

# VÁLVULAS HIDRÁULICAS

Hydraulic valves  
Valves hydrauliques  
Valvole idrauliche



## Bobinas

Solenoid

Bobines

Bobine

| Part n°<br>Referencia | SIZE<br>TAMANO | VOLTAGE (V)<br>VOLTAGE (V) | POWER (W)<br>POTENCIA (W) | PROTECTION (IP)<br>PROTECCION (IP) | € |
|-----------------------|----------------|----------------------------|---------------------------|------------------------------------|---|
| CB0812DC              | 8              | 12VDC                      | 20W                       | IP65 CLASS H                       | - |
| CB0824DC              | 8              | 24VDC                      | 20W                       | IP65 CLASS H                       | - |
| CB08110AC             | 8              | 110VAC                     | 18,5W                     | IP65 CLASS H                       | - |
| CB08220AC             | 8              | 220VAC                     | 17W                       | IP65 CLASS H                       | - |
| CB1012DC              | 10             | 12VDC                      | 26W                       | IP65 CLASS H                       | - |
| CB1024DC              | 10             | 24VDC                      | 26W                       | IP65 CLASS H                       | - |
| CB10110AC             | 10             | 110VAC                     | 22W                       | IP65 CLASS H                       | - |
| CB10220AC             | 10             | 220VAC                     | 22W                       | IP65 CLASS H                       | - |
| CB1212DC              | 12             | 12VDC                      | 16W                       | IP65 CLASS H                       | - |
| CB1224DC              | 12             | 24 VDC                     | 16W                       | IP65 CLASS H                       | - |
| CB12110AC             | 12             | 110VAC                     | 30W                       | IP65 CLASS H                       | - |
| CB12220AC             | 12             | 220VAC                     | 30W                       | IP65 CLASS H                       | - |
| CB1412DC              | 14             | 12VDC                      | 30W                       | IP65 CLASS H                       | - |
| CB1424DC              | 14             | 24VDC                      | 30W                       | IP65 CLASS H                       | - |

CB1412DC y CB1424DC válidas solo para VECO12. Conector rectificador requerido para bobinas AC. / CB1412DC y CB1424DC for VECO12 only. Rectifier connector required for AC coils. / CB1412DC y CB1424DC valides seulement pour VECO12. Connecteur redresseur à utiliser sur bobines en CA. / CB1412DC e CB1424DC validi solo per VECO12. Connettore rettificatore richiesto per bobine AC

**Válvulas de cartucho proporcionales**  
Proportional valves  
Valves proportionnelles



**Válvulas sobre motor orbital tipo WHITE**  
Orbital motor valves WHITE type  
Valves sur moteur orbital type WHITE



**Bloques especiales para ventilación**  
Fan drive blocks  
Bloc spécial pour ventilation



**Antirretornos**  
Check valves  
Antiretour



**Antirretornos pilotados**  
Pilot operated check valves  
Antiretour piloté



**Válvulas limitadoras de presión**  
Relief valves  
Valves limiteurs de pression



**Válvulas reguladoras de caudal**  
Flow control & needle valves  
Régulateurs de débit



**Válvulas overcenter**  
Overcenter valves  
Valves overcenter



**Válvulas de doble efecto**  
Double effect valves  
Valves double effet



**Válvulas reductoras de presión**  
Pressure reducing valves  
Reducteur de pression



**Válvulas de secuencia**  
Sequence valves  
Valve de séquence



**Válvulas de cartucho direccionales**  
Directional cartridge valves  
Valves directionnel



**Elementos lógicos**  
Logic elements  
Éléments logiques



**Bobinas**  
Coils  
Bobines



# DIVISORES DE CAUDAL DE ENGRANAJES

Gear flow dividers

Diviseurs de débit à engrenage

Divisori di flusso a ingranaggi

## Divisores sin válvulas - grupo 0

Flow dividers without valves - group 0

Diviseurs sans valves - groupe 0

Divisori senza valvole - gruppo 0



| Part n°<br>Referencia | GROUP<br>GRUPO | MIN. FLOW (l/min)<br>CAUDAL MIN.(l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | R.P.M. | CM <sup>3</sup> /BODY<br>cm <sup>3</sup> /cuerpo | BODIES NR.<br>N° CUERPOS | € |
|-----------------------|----------------|-----------------------------------------|-----------------------------------------|-------------------------------------------|--------|--------------------------------------------------|--------------------------|---|
| 9D0204                | 0              | 0,6                                     | 3                                       | 210                                       | 7500   | 0,45                                             | 2                        | - |
| 9D0207                | 0              | 1,2                                     | 5,6                                     | 210                                       | 7500   | 0,98                                             | 2                        | - |
| 9D0211                | 0              | 1,9                                     | 8                                       | 210                                       | 7500   | 1,52                                             | 2                        | - |
| 9D0406                | 0              | 1                                       | 4,8                                     | 210                                       | 7500   | 0,76                                             | 4                        | - |
| 9D0407                | 0              | 1,2                                     | 5,6                                     | 210                                       | 7500   | 0,98                                             | 4                        | - |
| 9RD0609               | 0              | 1,5                                     | 7,2                                     | 210                                       | 7500   | 1,27                                             | 6                        | - |

## Divisores sin válvulas - grupo 1

Flow dividers without valves - group 1

Diviseurs sans valves - groupe 1

Divisori senza valvole - gruppo 1



| Part n°<br>Referencia | GROUP<br>GRUPO | MIN. FLOW (l/min)<br>CAUDAL MIN.(l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | R.P.M. | CM <sup>3</sup> /BODY<br>cm <sup>3</sup> /cuerpo | BODIES NR.<br>N° CUERPOS | € |
|-----------------------|----------------|-----------------------------------------|-----------------------------------------|-------------------------------------------|--------|--------------------------------------------------|--------------------------|---|
| 9D0216                | 1              | 1                                       | 6                                       | 220                                       | 6500   | 0,9                                              | 2                        | - |
| 9D0221                | 1              | 3                                       | 15,5                                    | 220                                       | 6500   | 2,6                                              | 2                        | - |
| 9D0227                | 1              | 4,5                                     | 23                                      | 220                                       | 6500   | 4,3                                              | 2                        | - |
| 9D0231                | 1              | 6,5                                     | 30                                      | 220                                       | 6500   | 5,9                                              | 2                        | - |
| 9D0234                | 1              | 8,5                                     | 35,5                                    | 210                                       | 6500   | 7,8                                              | 2                        | - |
| 9D0236                | 1              | 11                                      | 41                                      | 200                                       | 6500   | 9,8                                              | 2                        | - |
| 9D0418                | 1              | 2                                       | 9                                       | 220                                       | 6500   | 1,7                                              | 4                        | - |
| 9D0421                | 1              | 3                                       | 15,5                                    | 220                                       | 6500   | 2,6                                              | 4                        | - |
| 9D0427                | 1              | 4,5                                     | 23                                      | 220                                       | 6500   | 4,3                                              | 4                        | - |
| 9D0431                | 1              | 6,5                                     | 30                                      | 220                                       | 6500   | 5,9                                              | 4                        | - |
| 9D0621                | 1              | 3                                       | 15,5                                    | 220                                       | 6500   | 2,6                                              | 6                        | - |
| 9D0821                | 1              | 3                                       | 15,5                                    | 220                                       | 6500   | 2,6                                              | 8                        | - |

## Divisores sin válvulas - grupo 2

Flow dividers without valves - group 2

Diviseurs sans valves - groupe 2

Divisori senza valvole - gruppo 2



| Part n°<br>Referencia | GROUP<br>GRUPO | MIN. FLOW (l/min)<br>CAUDAL MIN.(l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | R.P.M. | CM <sup>3</sup> /BODY<br>cm <sup>3</sup> /cuerpo | BODIES NR.<br>N° CUERPOS | € |
|-----------------------|----------------|-----------------------------------------|-----------------------------------------|-------------------------------------------|--------|--------------------------------------------------|--------------------------|---|
| 9D0247                | 2              | 13,2                                    | 27,5                                    | 210                                       | 2500   | 11                                               | 2                        | - |
| 9D0249                | 2              | 16,8                                    | 35                                      | 200                                       | 2500   | 14                                               | 2                        | - |
| 9D0251                | 2              | 20,4                                    | 42,5                                    | 200                                       | 2500   | 17                                               | 2                        | - |
| 9D0253                | 2              | 22,8                                    | 47,5                                    | 190                                       | 2500   | 19                                               | 2                        | - |
| 9D0255                | 2              | 26,4                                    | 55                                      | 180                                       | 2500   | 22                                               | 2                        | - |
| 9D0257                | 2              | 31,2                                    | 65                                      | 160                                       | 2500   | 26                                               | 2                        | - |
| 9D0259                | 2              | 36                                      | 75                                      | 160                                       | 2500   | 30                                               | 2                        | - |
| 9D0347                | 2              | 13,2                                    | 27,5                                    | 210                                       | 2500   | 11                                               | 3                        | - |
| 9D0357                | 2              | 31,2                                    | 65                                      | 160                                       | 2500   | 26                                               | 3                        | - |
| 9D0263                | 2              | 48                                      | 100                                     | 130                                       | 2500   | 40                                               | 2                        | - |
| 9D0447                | 2              | 13,2                                    | 27,5                                    | 210                                       | 2500   | 11                                               | 4                        | - |
| 9RD0459               | 2              | 36                                      | 75                                      | 160                                       | 2500   | 30                                               | 4                        | - |

# DIVISORES DE CAUDAL DE ENGRANAJES

Gear flow dividers  
Diviseurs de débit à engrenage  
Divisori di flusso a ingranaggi

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



## Divisores con válvulas - grupo 0

Flow dividers with valves - group 0  
Diviseurs avec valves - groupe 0  
Divisori con valvole - gruppo 0

| Part n°<br>Referencia | GROUP<br>GRUPO | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | R.P.M. | CM <sup>3</sup> /BODY<br>cm <sup>3</sup> /cuerpo | BODIES NR.<br>N° CUERPOS | € |
|-----------------------|----------------|------------------------------------------|------------------------------------------|-------------------------------------------|--------|--------------------------------------------------|--------------------------|---|
| 9V020401              | 0              | 0,6                                      | 3                                        | 210                                       | 7500   | 0,45                                             | 2                        | - |
| 9V020701              | 0              | 1,2                                      | 5,6                                      | 210                                       | 7500   | 0,98                                             | 2                        | - |
| 9V021101              | 0              | 1,9                                      | 8                                        | 210                                       | 7500   | 1,52                                             | 2                        | - |
| 9V021301              | 0              | 2,6                                      | 10,3                                     | 210                                       | 7500   | 2,30                                             | 2                        | - |
| 9V040202              | 0              | 0,3                                      | 1,8                                      | 220                                       | 6500   | 0,25                                             | 4                        | - |
| 9V040602              | 0              | 1                                        | 4,8                                      | 210                                       | 7500   | 0,76                                             | 4                        | - |
| 9V041101              | 0              | 1,9                                      | 8                                        | 210                                       | 7500   | 1,52                                             | 4                        | - |



## Divisores con válvulas - grupo 1

Flow dividers with valves - group 1  
Diviseurs avec valves - groupe 1  
Divisori con valvole - gruppo 1

| Part n°<br>Referencia | GROUP<br>GRUPO | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | R.P.M. | CM <sup>3</sup> /BODY<br>cm <sup>3</sup> /cuerpo | BODIES NR.<br>N° CUERPOS | € |
|-----------------------|----------------|------------------------------------------|------------------------------------------|-------------------------------------------|--------|--------------------------------------------------|--------------------------|---|
| 9V022102              | 1              | 3                                        | 15,5                                     | 220                                       | 6500   | 2,6                                              | 2                        | - |
| 9V022502              | 1              | 4                                        | 21                                       | 220                                       | 6500   | 3,8                                              | 2                        | - |
| 9V022702              | 1              | 4,5                                      | 23                                       | 220                                       | 6500   | 4,3                                              | 2                        | - |
| 9V023102              | 1              | 6,5                                      | 30                                       | 220                                       | 6500   | 5,9                                              | 2                        | - |
| 9V023402              | 1              | 8,5                                      | 35,5                                     | 210                                       | 6500   | 7,8                                              | 2                        | - |
| 9V023602              | 1              | 11                                       | 41                                       | 200                                       | 6500   | 9,8                                              | 2                        | - |
| 9V041802              | 1              | 2                                        | 9                                        | 220                                       | 6500   | 1,7                                              | 4                        | - |
| 9V032102              | 1              | 3                                        | 15,5                                     | 220                                       | 6500   | 2,6                                              | 3                        | - |
| 9V042102              | 1              | 3                                        | 15,5                                     | 220                                       | 6500   | 2,6                                              | 4                        | - |
| 9V042702              | 1              | 4,5                                      | 23                                       | 220                                       | 6500   | 4,3                                              | 4                        | - |
| 9V043102              | 1              | 6,5                                      | 30                                       | 220                                       | 6500   | 5,9                                              | 4                        | - |
| 9V043402              | 1              | 8,5                                      | 35,5                                     | 210                                       | 6500   | 7,8                                              | 4                        | - |
| 9V053202              | 1              | 7,5                                      | 32                                       | 220                                       | 6500   | 6,5                                              | 5                        | - |



## Divisores con válvulas - grupo 2

Flow dividers with valves - group 2  
Diviseurs avec valves - groupe 2  
Divisori con valvole - gruppo 2

| Part n°<br>Referencia | GROUP<br>GRUPO | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | R.P.M. | CM <sup>3</sup> /BODY<br>cm <sup>3</sup> /cuerpo | BODIES NR.<br>N° CUERPOS | € |
|-----------------------|----------------|------------------------------------------|------------------------------------------|-------------------------------------------|--------|--------------------------------------------------|--------------------------|---|
| 9V024702              | 2              | 13,2                                     | 27,5                                     | 210                                       | 2500   | 11                                               | 2                        | - |
| 9V024902              | 2              | 16,8                                     | 35                                       | 200                                       | 2500   | 14                                               | 2                        | - |
| 9V025102              | 2              | 20,4                                     | 45                                       | 200                                       | 2500   | 17                                               | 2                        | - |
| 9V025302              | 2              | 22,8                                     | 47,5                                     | 190                                       | 2500   | 19                                               | 2                        | - |
| 9V025502              | 2              | 26,4                                     | 55                                       | 180                                       | 2500   | 22                                               | 2                        | - |
| 9V025702              | 2              | 31,2                                     | 65                                       | 160                                       | 2500   | 26                                               | 2                        | - |
| 9V025902              | 2              | 36                                       | 75                                       | 160                                       | 2500   | 30                                               | 2                        | - |
| 9V044502              | 2              | 10,8                                     | 22,5                                     | 210                                       | 2500   | 9                                                | 4                        | - |
| 9V044702              | 2              | 13,2                                     | 27,5                                     | 210                                       | 2500   | 11                                               | 4                        | - |

## DIVISORES DE CAUDAL DE ENGRANAJES

Gear flow dividers  
Diviseurs de débit à engrenage  
Divisori di flusso a ingranaggi



### Juntas divisores con válvulas

Seals for the flow dividers with valves

Joints diviseurs avec valves

Guarnizioni per divisori con valvole

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION | € |
|-----------------------|----------------------------|---|
| <b>JJMRV0</b>         | Gr.0 RV-0 / NBR            | - |
| <b>JJMRV1</b>         | Gr.1 RV-1 / NBR            | - |
| <b>JJMRV1-V</b>       | Gr.1 RV-1 / FKM            | - |



### Juntas divisores sin válvulas

Seals for the flow dividers without valves

Joints diviseurs sans valves

Guarnizioni per divisori senza valvole

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION | € |
|-----------------------|----------------------------|---|
| <b>JJMVO</b>          | KVODF / KVODFV             | - |
| <b>JJMV1</b>          | KV1DF / KV1DFV             | - |



# PRESOSTATOS

Pressure switches  
Pressostats  
Pressostati

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

## Presostatos monocontacto regulables serie K4- NA

Adjustable monocontact pressure switch K4 serie- N.O.

Pressostats 1 contact réglables série K4-N.O.

Pressostati monocontatto regolabili serie K4-NA



| Part n°<br>Referencia | MALE THREAD<br>ROSCA MACHO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | EXECUTION<br>EJECUCIÓN | € |
|-----------------------|----------------------------|-------------------------------------------|-------------------------------------|------------------------|---|
| K4RAF1                | 1/4" BSP                   | 25                                        | 0,2 - 2,5                           | Membrana / Membrane    | - |
| K4SAF1                | 1/4" BSP                   | 25                                        | 1 - 12                              | Membrana / Membrane    | - |
| K4SPAF1               | 1/4" BSP                   | 300                                       | 1 - 12                              | Piston                 | - |
| K4TAF1                | 1/4" BSP                   | 300                                       | 5 - 50                              | Piston                 | - |
| K4VAF1                | 1/4" BSP                   | 300                                       | 10 - 100                            | Piston                 | - |
| K4ZAF1                | 1/4" BSP                   | 300                                       | 20 - 200                            | Piston                 | - |

## Presostatos monocontacto regulables serie K4- NC

Adjustable monocontact pressure switch K4 serie- N.C.

Pressostats 1 contact réglables série K4-N.F.

Pressostati monocontatto regolabili serie K4-NC



| Part n°<br>Referencia | MALE THREAD<br>ROSCA MACHO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | EXECUTION<br>EJECUCIÓN | € |
|-----------------------|----------------------------|-------------------------------------------|-------------------------------------|------------------------|---|
| K4RCF1                | 1/4" BSP                   | 25                                        | 0,2 - 2,5                           | Membrana / Membrane    | - |
| K4SCF1                | 1/4" BSP                   | 25                                        | 1 - 12                              | Membrana / Membrane    | - |
| K4SPCF1               | 1/4" BSP                   | 300                                       | 1 - 12                              | Piston                 | - |
| K4TCF1                | 1/4" BSP                   | 200                                       | 5 - 50                              | Piston                 | - |
| K4VCF1                | 1/4" BSP                   | 300                                       | 10 - 100                            | Piston                 | - |
| K4ZCF1                | 1/4" BSP                   | 300                                       | 20 - 200                            | Piston                 | - |

## Presostatos conmutados regulables serie F3

Adjustable pressure switch F3 serie

Pressostats commutés réglables série F3

Pressostati commutati regolabili serie F3



| Part n°<br>Referencia | MALE THREAD<br>ROSCA MACHO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------------------|-------------------------------------------|-------------------------------------|---|
| F31                   | 1/4" BSP                   | 25                                        | 1 - 10                              | - |
| F33P                  | 1/4" BSP                   | 300                                       | 5 - 50                              | - |
| F35P                  | 1/4" BSP                   | 300                                       | 10 - 100                            | - |
| F37                   | 1/4" BSP                   | 400                                       | 30 - 300                            | - |

## Presostatos conmutados regulables a pistón serie K5

Adjustable piston pressure switch K5 serie

Pressostats réglables commutés à piston série K5

Pressostati commutati regolabili a pistone serie K5



| Part n°<br>Referencia | FEMALE THREAD<br>ROSCA HEMBRA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|-------------------------------|-------------------------------------------|-------------------------------------|---|
| K53P                  | 1/4" BSP                      | 200                                       | 2 - 40                              | - |
| K54P                  | 1/4" BSP                      | 300                                       | 5 - 100                             | - |
| K55P                  | 1/4" BSP                      | 400                                       | 20 - 200                            | - |
| K57P                  | 1/4" BSP                      | 500                                       | 30 - 300                            | - |
| K59P                  | 1/4" BSP                      | 600                                       | 40 - 400                            | - |

## Presostatos electrónicos conmutables

Electronic switchable pressure switches

Pressostats électroniques commutables

Pressostati elettronici commutabili



| Part n°<br>Referencia | MALE THREAD<br>ROSCA MACHO | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | REG. RATE (bar)<br>CAMPO REG. (bar) | € |
|-----------------------|----------------------------|-------------------------------------------|-------------------------------------|---|
| PRES54USBM2           | 1/4" BSP                   | 250                                       | 0-100                               | - |
| PRES55USBM2           | 1/4" BSP                   | 500                                       | 0-200                               | - |
| PRES56USBM2           | 1/4" BSP                   | 600                                       | 0-400                               | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## **MOTORES HIDRÁULICOS WHITE** 220

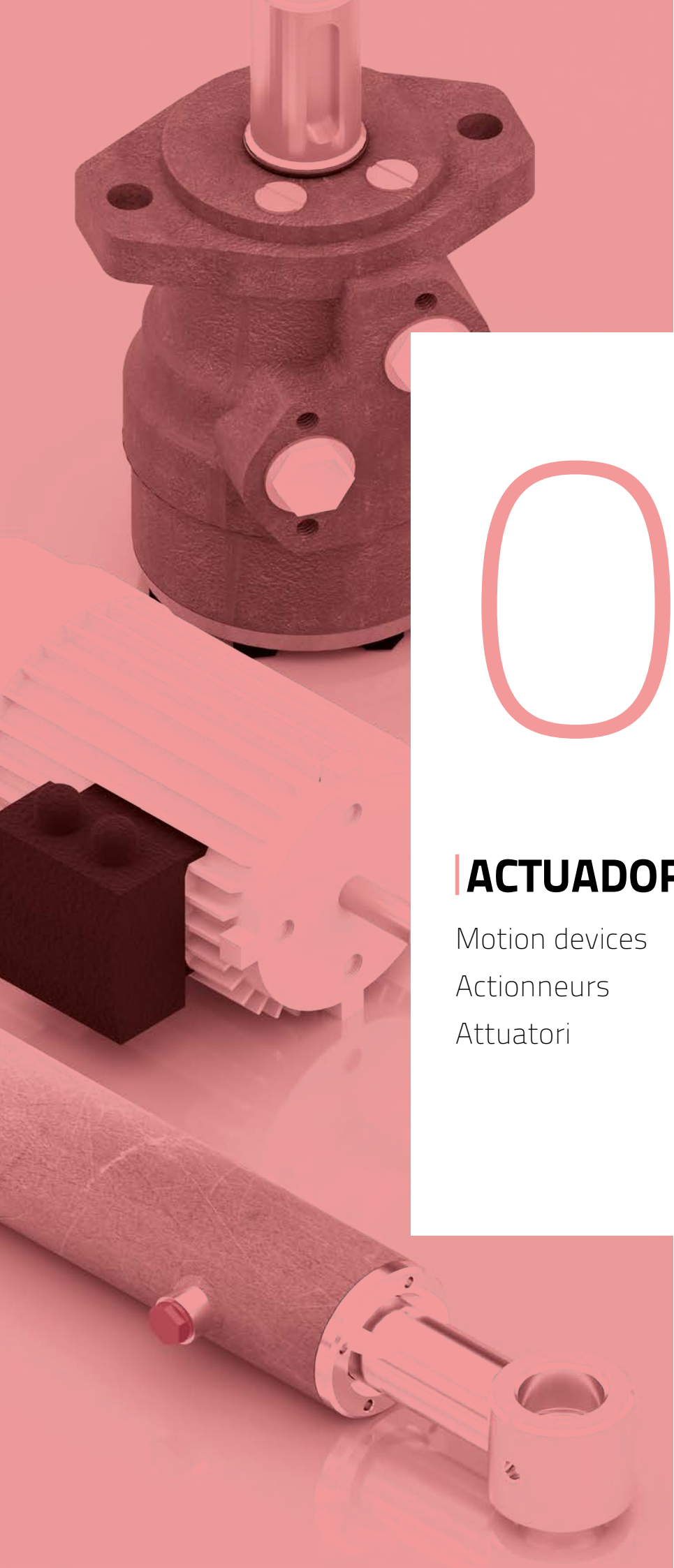
Hydraulic motors White  
Moteurs hydrauliques White  
Motori idraulici White

## **MOTORES ELÉCTRICOS** 226

Electric motors  
Moteurs électriques  
Motori elettrici

## **CILINDROS HIDRÁULICOS** 230

Hydraulic cylinders  
Vérins hydrauliques  
Cilindri idraulici



# 03

## **ACTUADORES**

Motion devices

Actionneurs

Attuatori

# MOTORES HIDRÁULICOS WHITE

Hydraulic motors White  
Moteurs hydrauliques White  
Motori idraulici White



## OMM - eje cilíndrico 16mm

Motor OMM - cylindrical shaft 16mm

OMM - arbre cylindrique 16mm

OMM - Albero cilindrico 16 mm

| Part n°<br>Referencia | THREADS<br>ROSCAS | € |
|-----------------------|-------------------|---|
| OMM-8 S               | LATERALES/SIDE    | - |
| OMM-12.5 S            | LATERALES/SIDE    | - |
| OMM-20 S              | LATERALES/SIDE    | - |
| OMM-32 S              | LATERALES/SIDE    | - |
| OMM-50                | LATERALES/SIDE    | - |
| OMM-8 E               | TRASERAS/BACK     | - |
| OMM-12,5 E            | TRASERAS/BACK     | - |
| OMM-20 E              | TRASERAS/BACK     | - |
| OMM-32 E              | TRASERAS/BACK     | - |



## OMP - eje cilíndrico 25mm

Motor OMP - cylindrical shaft 25mm

OMP - arbre cylindrique 25mm

OMP - Albero cilindrico 25 mm

| Part n°<br>Referencia | cm³/rev | € |
|-----------------------|---------|---|
| OMP-25                | 25      | - |
| OMP-32                | 32      | - |
| OMP-40                | 40      | - |
| OMP-50                | 50      | - |
| OMP-80                | 80      | - |
| OMP-100               | 100     | - |
| OMP-125               | 125     | - |
| OMP-160               | 160     | - |
| OMP-200               | 200     | - |
| OMP-250               | 250     | - |
| OMP-315               | 315     | - |
| OMP-400               | 400     | - |



## OMR - eje cilíndrico 25mm

Motor OMR - cylindrical shaft 25mm

OMR - arbre cylindrique 25mm

OMR - Albero cilindrico 25 mm

| Part n°<br>Referencia | cm³/rev | € |
|-----------------------|---------|---|
| OMR-50                | 50      | - |
| OMR-80                | 80      | - |
| OMR-100               | 100     | - |
| OMR-125               | 125     | - |
| OMR-160               | 160     | - |
| OMR-200               | 200     | - |
| OMR-250               | 250     | - |
| OMR-315               | 315     | - |
| OMR-375               | 375     | - |



## OMR - eje cilíndrico 32mm

Motor OMR - cylindrical shaft 32mm

OMR - arbre cylindrique 32mm

OMR - Albero cilindrico 32 mm

| Part n°<br>Referencia | cm³/rev | € |
|-----------------------|---------|---|
| OMR-200 EJE 32        | 200     | - |

# MOTORES HIDRÁULICOS WHITE

Hydraulic motors White  
Moteurs hydrauliques White  
Motori idraulici White



## OMS - eje cilíndrico 32mm

Motor OMS - cylindrical shaft 32mm

OMS - arbre cylindrique 32mm

OMS - Albero cilindrico 32 mm

| Part n°<br>Referencia | cm³/rev | € |
|-----------------------|---------|---|
| OMS-80                | 80      | - |
| OMS-100               | 100     | - |
| OMS-125               | 125     | - |
| OMS-160               | 160     | - |
| OMS-200               | 200     | - |
| OMS-250               | 250     | - |
| OMS-315               | 315     | - |
| OMS-400               | 400     | - |



## OMT - eje cilíndrico 40mm

Motor OMT - cylindrical shaft 40mm

OMT - arbre cylindrique 40mm

OMT - Albero cilindrico 40 mm

| Part n°<br>Referencia | cm³/rev | € |
|-----------------------|---------|---|
| OMT-160               | 160     | - |
| OMT-200               | 200     | - |
| OMT-250               | 250     | - |
| OMT-315               | 315     | - |
| OMT-400               | 400     | - |
| OMT-500               | 500     | - |



## Orbitroles c. abierto con válvulas

Steering units open center with valves

Direction hydrostatique centre ouvert avec valves

Idroguida centro aperto con valvola

| Part n°<br>Referencia | cm³/rev | € |
|-----------------------|---------|---|
| OSPC-80 ON            | 80      | - |
| OSPC-100 ON           | 100     | - |
| OSPC-125 ON           | 125     | - |
| OSPC-160 ON           | 160     | - |
| OSPC-200 ON           | 200     | - |
| OSPC-200 ON***        | 200     | - |
| OSPC-50 ON            | 50      | - |

\*\*\*7/8 SAE / \*\*\*7/8 SAE / \*\*\*7/8 SAE / \*\*\*7/8 SAE



## Orbitroles c. abierto sin válvulas

Steering units open center without valves

Direction hydrostatique centre ouvert sans valves

Idroguida centro aperto senza valvola

| Part n°<br>Referencia | cm³/rev | € |
|-----------------------|---------|---|
| OSPB-80 ON            | 80      | - |
| OSPB-100 ON           | 100     | - |
| OSPB-125 ON           | 125     | - |
| OSPB-125 ON***        | 125     | - |
| OSPB-160 ON           | 160     | - |
| OSPB-200 ON           | 200     | - |
| OSPB-315 ON           | 315     | - |
| OSPB-800 ON           | 800     | - |

\*\*\* 3/4 SAE / \*\*\* 3/4 SAE / \*\*\* 3/4 SAE / \*\*\* 3/4 SAE

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

# MOTORES HIDRÁULICOS WHITE

Hydraulic motors White  
Moteurs hydrauliques White  
Motori idraulici White

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



## Orbitroles c. cerrado con válvulas

Steering units closed center with valves  
Direction hydrostatique centre fermé avec valves  
Idroguida centro chiuso con valvola

| Part n°<br>Referencia | cm³/rev | € |
|-----------------------|---------|---|
| OSPC-100 CN           | 100     | - |
| OSPC-125 CN           | 125     | - |
| OSPC-160 CN           | 160     | - |
| OSPC-200 CN           | 200     | - |



## Orbitroles c. cerrado sin válvulas

Steering units closed center without valves  
Direction hydrostatique centre fermé sans valves  
Idroguida centro chiuso senza valvola

| Part n°<br>Referencia | cm³/rev | € |
|-----------------------|---------|---|
| OSPB-100 CN           | 100     | - |
| OSPB-125 CN           | 125     | - |
| OSPB-160 CN           | 160     | - |



## Orbitroles load sensing

Steering units load sensing  
Direction hydrostatique load sensing  
Idroguida "load sensing"

| Part n°<br>Referencia | cm³/rev | € |
|-----------------------|---------|---|
| OSPC-80 LS            | 80      | - |
| OSPC-160 LS           | 160     | - |
| OSPC-200 LS           | 200     | - |
| OSPF-160 LS           | 160     | - |



## Caja de válvulas para orbitrol

Valves box for steering units  
Boite de valves pour orbitrols  
Scatola valvole per Idroguida

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| OVP-10                | 1/2" BSP        | - |
| OVP-15                | 1/2" BSP        | - |
| OVP-20                | 1/2" BSP        | - |
| OVR-20                | 1/2" BSP        | - |
| 152B8272              | 1/2" BSP        | - |



## Amplificadores de par

Torque amplifier  
Amplificateur de couple  
Amplificatore di coppia

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| TAD-100               | 1/2" BSP        | - |
| TAD-160               | 1/2" BSP        | - |

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## MOTORES HIDRÁULICOS WHITE

Hydraulic motors White  
Moteurs hydrauliques White  
Motori idraulici White



### Equipos reparación motores

Motor repair kits

Kits de joint pour moteur

Kit di guarnizioni per motori

| Part n°<br>Referencia | Motor                         | € |
|-----------------------|-------------------------------|---|
| 151-1179              | OMP 32MM                      | - |
| 151-1275              | OMR Drenaje / DRAINAGE        | - |
| 151-1277              | OMR Drenaje / DRAINAGE        | - |
| 151-1286              | OMP/OMR NO Drenaje / drainage | - |
| 151B0113              | OMT                           | - |
| 151B0114              | OMTS                          | - |
| 151B0129              | OMV                           | - |
| 151B1041              | OMVS                          | - |
| 151F0103              | OMSS                          | - |
| 151F0111              | OMS                           | - |
| 151G0201              | OMM Old / Antiguo             | - |
| 151G0202              | OMM Moderno / Modern          | - |
| 151H1100              | OMH                           | - |
| 11188319              | OMPX/OMRX 11188319            | - |
| 633B3209              | OMR OLD / ANTIGUO             | - |

**CONSULTAR DISPONIBILIDAD DE COLUMNAS DE DIRECCIÓN**

CONSULT US THE AVAILABILITY OF STEERING COLUMNS

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Fichas técnicas disponibles en nuestra web / Technical data in our web



## MOTORES HIDRÁULICOS WHITE

Hydraulic motors White  
Moteurs hydrauliques White  
Motori idraulici White

### Equipos reparación orbitroles



Steering unit repair kits

Kits de joint pour direction hydrostatique

Kit di guarnizioni per Idroguide

| Part n°<br>Referencia | Motor     | € |
|-----------------------|-----------|---|
| <b>150L4054</b>       | OSPM      | - |
| <b>150N4040</b>       | OSPB/OSPC | - |
| <b>150N4039</b>       | OSPQ      | - |

### Recambios varios



Spare parts

Divers

Ricambi

| Part n°<br>Referencia |                                 | € |
|-----------------------|---------------------------------|---|
| <b>152-4051</b>       | KIT JUNTAS / SEALS KIT 152-4051 | - |
| <b>BRIDA OMM</b>      | MOTOR OMM 151G0211              | - |

### Bobinas para PVG-32



Coils for PVG-32

Bobines pour PVG-32

Bobine per PVG-32

| Part n°<br>Referencia | Proportionality<br>Proporcionalidad | VOLTAGE (V)<br>VOLTAJE (V) | € |
|-----------------------|-------------------------------------|----------------------------|---|
| <b>157B4032</b>       | ALTA / High                         | 12 VDC / 24 VDC            | - |
| <b>157B4116</b>       | MEDIA / Middle                      | 12VDC                      | - |
| <b>157B4216</b>       | On-Off                              | 12 VDC                     | - |
| <b>157B4228</b>       | On-Off                              | 24 VDC                     | - |
| <b>157B4528</b>       | MEDIA / Middle                      | 24 VDC                     | - |
| <b>157B4016</b>       | ALTA / High                         | 12 VDC                     | - |

## MOTORES HIDRÁULICOS MOMH

MOMH TYPE MOTOR



160 cc  
200 cc  
250 cc  
315 cc  
400 cc  
500 cc

## FRENO HIDRÁULICO

HYDRAULIC BRAKES FOR MOTORS



MOMP  
MOMR

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### Bombas caudal variable. Circuito abierto

Variable flow pumps. Normally open



### Bombas caudal variable. Circuito cerrado

Variable flow pumps. Normally closed



### Bombas pistones

Piston pumps



### Componentes y sistemas de dirección

Hydrostatic steering controller, orbital motors



### Hidráulica proporcional

Proportional hydraulics



### Motores Hidráulicos Lentos

Orbital motors

# MOTORES ELÉCTRICOS

Electric motors  
Moteurs électriques  
Motori elettrici

## Motor trifásico con brida (B5)

Electric motors three-phase with flange (B5)

Moteurs triphasés avec bride (B5)

Motore elettrico trifase con flangia (B5)



| Part n°<br>Referencia | EFFICIENCY<br>EFICIENCIA | VOLTAGE (V)<br>VOLTAGE (V) | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT<br>EJE | € |
|-----------------------|--------------------------|----------------------------|------------------------------------------|--------|-----------------------------|--------------|---|
| MET0.25B5             | IE1                      | 230/400 V (50/60Hz)        | 140                                      | 1500   | 0,25                        | 11           | - |
| MET0.33B5             | IE1                      | 230/400 V (50/60Hz)        | 160                                      | 1500   | 0,33                        | 14           | - |
| MET0.5B5              | IE1                      | 230/400 V (50/60Hz)        | 160                                      | 1500   | 0,5                         | 14           | - |
| MET0.75B5             | IE1                      | 230/400 V (50/60Hz)        | 200                                      | 1500   | 0,75                        | 19           | - |
| MET1B5                | IE3                      | 230/400 V (50/60Hz)        | 200                                      | 1500   | 1                           | 19           | - |
| MET1.5B5              | IE3                      | 230/400 V (50/60Hz)        | 200                                      | 1500   | 1,5                         | 24           | - |
| MET2B5                | IE3                      | 230/400 V (50/60Hz)        | 200                                      | 1500   | 2                           | 24           | - |
| MET3B5                | IE3                      | 230/400 V (50/60Hz)        | 250                                      | 1500   | 3                           | 28           | - |
| MET4B5                | IE3                      | 230/400 V (50/60Hz)        | 250                                      | 1500   | 4                           | 28           | - |
| MET5.5B5              | IE3                      | 230/400 V (50/60Hz)        | 250                                      | 1500   | 5,5                         | 28           | - |
| MET7.5B5              | IE3                      | 400/690 V                  | 300                                      | 1500   | 7,5                         | 38           | - |
| MET10B5               | IE3                      | 400/690 V                  | 300                                      | 1500   | 10                          | 38           | - |
| MET15B5               | IE3                      | 400/690 V                  | 350                                      | 1500   | 15                          | 42           | - |
| MET20B5               | IE3                      | 400/690 V                  | 350                                      | 1500   | 20                          | 42           | - |
| MET30B5               | IE3                      | 400/690 V                  | 350                                      | 1500   | 30                          | 48           | - |
| MET40B5               | IE3                      | 400/690 V                  | 400                                      | 1500   | 40                          | 55           | - |
| MET50B5               | IE3                      | 400/690 V                  | 450                                      | 1500   | 50                          | 60           | - |
| MET60B5               | IE3                      | 400/690 V                  | 450                                      | 1500   | 60                          | 60           | - |
| MET75B5               | IE3                      | 400/690 V                  | 550                                      | 1500   | 75                          | 65           | - |

\*Consúltelos para tipo IE1 y IE2 / \*Consult us for IE1 and IE2 / \*Consultez-nous pour IE1 ou IE2 / \*Consultaci per tipo IE1 e IE2

## Motor trifásico con patas (B3)

Electric motors three-phase with legs (B3)

Moteurs triphasés avec pattes (B3)

Motore elettrico trifase con piede (B3)



| Part n°<br>Referencia | EFFICIENCY<br>EFICIENCIA | VOLTAGE (V)<br>VOLTAGE (V) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT<br>EJE | € |
|-----------------------|--------------------------|----------------------------|--------|-----------------------------|--------------|---|
| MET0.25B3             | IE1                      | 230/400V                   | 1500   | 0,25                        | 11           | - |
| MET0.33B3             | IE1                      | 230/400V                   | 1500   | 0,33                        | 14           | - |
| MET0.5B3              | IE1                      | 230/400V                   | 1500   | 0,5                         | 14           | - |
| MET0.75B3             | IE1                      | 230/400V                   | 1500   | 0,75                        | 19           | - |
| MET1B3                | IE3                      | 230/400V                   | 1500   | 1                           | 19           | - |
| MET1.5B3              | IE3                      | 230/400V                   | 1500   | 1,5                         | 24           | - |
| MET2B3                | IE3                      | 230/400V                   | 1500   | 2                           | 24           | - |
| MET3B3                | IE3                      | 230/400V                   | 1500   | 3                           | 28           | - |
| MET4B3                | IE3                      | 220/380 V                  | 1500   | 4                           | 28           | - |
| MET5.5B3              | IE3                      | 230/400V                   | 1500   | 5,5                         | 28           | - |
| MET7.5B3              | IE3                      | 400/690 V                  | 1500   | 7,5                         | 38           | - |
| MET15B3               | IE3                      | 400/690 V                  | 1500   | 15                          | 42           | - |
| MET30B3               | IE3                      | 400/690 V                  | 1500   | 30                          | 48           | - |
| MET40B3               | IE3                      | 400/690 V                  | 1500   | 40                          | 55           | - |
| MET50B3               | IE3                      | 400/690 V                  | 1500   | 50                          | 60           | - |
| MET60B3               | IE3                      | 400/690 V                  | 1500   | 60                          | 60           | - |
| MET75B3               | IE3                      | 400/690 V                  | 1500   | 75                          | 65           | - |

\*Consúltelos para tipo IE1 y IE2 / \*Consult us for IE1 and IE2 / \*Consultez-nous pour IE1 ou IE2 / \*Consultaci per tipo IE1 e IE2

# MOTORES ELÉCTRICOS

Electric motors  
Moteurs électriques  
Motori elettrici



## Motor trifásico con brida + patas (B3B5)

Electric motors three-phase with flange and legs (B3B5)

Moteurs triphasés avec bride+pattes (B3B5)

Motore elettrico trifase con flangia + piede (B3B5)

| Part n°<br>Referencia | EFFICIENCY<br>EFICIENCIA | VOLTAGE (V)<br>VOLTAJE (V) | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT<br>EJE | € |
|-----------------------|--------------------------|----------------------------|------------------------------------------|--------|-----------------------------|--------------|---|
| MET0.25B3B5           | IE1                      | 230/400                    | 140                                      | 1500   | 0,25                        | 11mm         | - |
| MET0.33B3B5           | IE1                      | 230/400                    | 160                                      | 1500   | 0,33                        | 14mm         | - |
| MET0.5B3B5            | IE1                      | 230/400                    | 160                                      | 1500   | 0,5                         | 14mm         | - |
| MET0.75B3B5           | IE1                      | 230/400                    | 200                                      | 1500   | 0,75                        | 19mm         | - |
| MET1B3B5              | IE3                      | 230/400                    | 200                                      | 1500   | 1                           | 19mm         | - |
| MET1.5B3B5            | IE3                      | 230/400                    | 200                                      | 1500   | 1,5                         | 24mm         | - |
| MET2B3B5              | IE3                      | 230/400                    | 200                                      | 1500   | 2                           | 24mm         | - |
| MET3B3B5              | IE3                      | 230/400                    | 250                                      | 1500   | 3                           | 28mm         | - |
| MET4B3B5              | IE3                      | 230/400                    | 250                                      | 1500   | 4                           | 28mm         | - |
| MET5.5B3B5            | IE3                      | 230/400                    | 250                                      | 1500   | 5,5                         | 28mm         | - |
| MET7.5B3B5            | IE3                      | 400/690                    | 300                                      | 1500   | 7,5                         | 38mm         | - |
| MET10B3B5             | IE3                      | 400/690                    | 300                                      | 1500   | 10                          | 38mm         | - |
| MET15B3B5             | IE3                      | 400/690                    | 350                                      | 1500   | 15                          | 42mm         | - |
| MET20B3B5             | IE3                      | 400/690                    | 350                                      | 1500   | 20                          | 42mm         | - |
| MET25B3B5             | IE3                      | 400/690                    | 350                                      | 1500   | 25                          | 48mm         | - |
| MET30B3B5             | IE3                      | 400/690                    | 350                                      | 1500   | 30                          | 48mm         | - |
| MET40B3B5             | IE3                      | 400/690                    | 400                                      | 1500   | 40                          | 55mm         | - |
| MET60B3B5             | IE3                      | 400/690                    | 450                                      | 1500   | 60                          | 60mm         | - |

\*Consúltelos para tipo IE1 y IE2 / \*Consult us for IE1 and IE2 / \*Consultez-nous pour IE1 ou IE2 / \*Consultaci per tipo IE1 e IE2



## Motor trifásico con brida (B14)

Electric motors three-phase with flange (B14)

Moteurs triphasés avec bride (B14)

Motore elettrico trifase con flangia (B14)

| Part n°<br>Referencia | EFFICIENCY<br>EFICIENCIA | VOLTAGE (V)<br>VOLTAJE (V) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT<br>EJE | € |
|-----------------------|--------------------------|----------------------------|--------|-----------------------------|--------------|---|
| MET0.5B14             | IE1                      | 230/400                    | 1500   | 0,5                         | 14mm         | - |
| MET0.75B14            | IE1                      | 230/400                    | 1500   | 0,75                        | 19mm         | - |
| MET1B14               | IE3                      | 230/400                    | 1500   | 1                           | 19mm         | - |
| MET2B14               | IE3                      | 230/400                    | 1500   | 2                           | 24mm         | - |
| MET3B14               | IE3                      | 230/400                    | 1500   | 3                           | 28mm         | - |
| MET3B14RED90          | IE3                      | 230/400                    | 1500   | 3                           | 28mm         | - |
| MET5.5B14             | IE3                      | 230/400                    | 1500   | 5,5                         | 28mm         | - |

\*Consúltelos para tipo IE1 y IE2 / \*Consult us for IE1 and IE2 / \*Consultez-nous pour IE1 ou IE2 / \*Consultaci per tipo IE1 e IE2



## Motor monofásico alto par con brida (B5)

Electric motors high torque single-phase with flange (B5)

Moteurs monophasés haut couple avec bride (B5)

Motore elettrico monofase a coppia elevata con flangia (B5)

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT<br>EJE | € |
|-----------------------|----------------------------|------------------------------------------|--------|-----------------------------|--------------|---|
| MEMAP0.33B5           | 230                        | 160                                      | 1500   | 0,33                        | 14mm         | - |
| MEMAP0.5B5            | 230                        | 160                                      | 1500   | 0,5                         | 14mm         | - |
| MEMAP0.75B5           | 230                        | 200                                      | 1500   | 0,75                        | 19mm         | - |
| MEMAP1B5              | 230                        | 200                                      | 1500   | 1                           | 19mm         | - |
| MEMAP1.5B5            | 230                        | 200                                      | 1500   | 1,5                         | 24mm         | - |
| MEMAP2B5              | 230                        | 200                                      | 1500   | 2                           | 24mm         | - |
| MEMAP3B5              | 230                        | 250                                      | 1500   | 3                           | 28mm         | - |

# MOTORES ELÉCTRICOS

Electric motors  
Moteurs électriques  
Motori elettrici

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



## Motor monofásico alto par con patas (B3)

Electric motors high torque single-phase with legs (B3)  
Moteurs monophasés haut couple avec pattes (B3)  
Motore elettrico monofase a coppia elevata con piede (B3)

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT<br>EJE | € |
|-----------------------|----------------------------|--------|-----------------------------|--------------|---|
| MEMAP0.33B3           | 230                        | 1500   | 0,33                        | 14mm         | - |
| MEMAP0.5B3            | 230                        | 1500   | 0,5                         | 14mm         | - |
| MEMAP0.75B3           | 230                        | 1500   | 0,75                        | 19mm         | - |
| MEMAP1B3              | 230                        | 1500   | 1                           | 19mm         | - |
| MEMAP2B3              | 230                        | 1500   | 2                           | 24mm         | - |
| MEMAP3B3              | 230                        | 1500   | 3                           | 28mm         | - |



## Motor monofásico alto par con brida y patas (B3B5)

Electric motors high torque single-phase with flange and legs (B3B5)  
Moteurs monophasés haut couple avec bride et pattes (B3B5)  
Motore elettrico monofase a coppia elevata con flangia e piede (B3B5)

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT<br>EJE | € |
|-----------------------|----------------------------|------------------------------------------|--------|-----------------------------|--------------|---|
| MEMAP0.33B3B5         | 230                        | 160                                      | 1500   | 0,33                        | 14mm         | - |
| MEMAP0.75B3B5         | 230                        | 200                                      | 1500   | 0,75                        | 19mm         | - |
| MEMAP1B3B5            | 230                        | 200                                      | 1500   | 1                           | 19mm         | - |
| MEMAP1.5B3B5          | 230                        | 200                                      | 1500   | 1,5                         | 24mm         | - |
| MEMAP2B3B5            | 230                        | 200                                      | 1500   | 2                           | 24mm         | - |
| MEMAP3B3B5            | 230                        | 250                                      | 1500   | 3                           | 28mm         | - |



## Motor monofásico alto par con brida (B14)

Electric motors high torque single-phase with flange (B14)  
Moteurs monophasés haut couple avec bride (B14)  
Motore elettrico monofase a coppia elevata con flangia (B14)

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT<br>EJE | € |
|-----------------------|----------------------------|------------------------------------------|--------|-----------------------------|--------------|---|
| MEMAP3B14             | 230                        | 250                                      | 1500   | 3                           | 28mm         | - |



## Motor monofásico par normal con brida (B5)

Electric motors standard torque single-phase with flange (B5)  
Moteurs monophasés couple normal avec bride (B5)  
Motore elettrico monofase a coppia normale con flangia (B5)

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT<br>EJE | € |
|-----------------------|----------------------------|------------------------------------------|--------|-----------------------------|--------------|---|
| MEMBP0.33B5           | 230                        | 160                                      | 1500   | 0,33                        | 14mm         | - |
| MEMBP0.75B5           | 230                        | 200                                      | 1500   | 0,75                        | 19mm         | - |
| MEMBP1B5              | 230                        | 200                                      | 1500   | 1                           | 19mm         | - |
| MEMBP1.5B5            | 230                        | 200                                      | 1500   | 1,5                         | 24mm         | - |
| MEMBP3B5              | 230                        | 250                                      | 1500   | 3                           | 28mm         | - |



## Motor monofásico par normal con patas (B3)

Electric motors standard torque single-phase with legs (B3)  
Moteurs monophasés couple normal avec pattes (B3)  
Motore elettrico monofase a coppia normale con piede (B3)

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT<br>EJE | € |
|-----------------------|----------------------------|--------|-----------------------------|--------------|---|
| MEMBP0.33B3           | 230                        | 1500   | 0,33                        | 14mm         | - |
| MEMBP0.5B3            | 230                        | 1500   | 0,5                         | 14mm         | - |
| MEMBP0.75B3           | 230                        | 1500   | 0,75                        | 19mm         | - |
| MEMBP1B3              | 230                        | 1500   | 1                           | 19mm         | - |
| MEMBP1.5B3            | 230                        | 1500   | 1,5                         | 24mm         | - |
| MEMBP2B3              | 230                        | 1500   | 2                           | 24mm         | - |

# MOTORES ELÉCTRICOS

Electric motors  
Moteurs électriques  
Motori elettrici



## Motor monofásico par normal con brida y patas (B3B5)

Electric motors standard torque single-phase with flange and legs (B3B5)

Moteurs monophasés couple normal avec brides et pattes (B3B5)

Motore elettrico monofase a coppia normale con flangia e piede (B3B5)

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAGE (V) | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | R.P.M. | POWER (HP)<br>POTENCIA (CV) | SHAFT<br>EJE | € |
|-----------------------|----------------------------|------------------------------------------|--------|-----------------------------|--------------|---|
| <b>MEMBP0.75B3B5</b>  | 230                        | 200                                      | 1500   | 0,75                        | 19mm         | - |
| <b>MEMBP1B3B5</b>     | 230                        | 200                                      | 1500   | 1                           | 19mm         | - |

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



# CILINDROS HIDRÁULICOS

Hydraulic cylinders  
Vérins hydrauliques  
Cilindri idraulici



## Cilindros S.E. sin cabeza ni guías

S.A. cylinder (without head bush)

Vérins S.E. (sans tête ni guides)

Cilindri tuffanti ( senza testa e guida)

| Part n°<br>Referencia | THREAD<br>ROSCA | KG/100BAR<br>KG/100 BAR | PISTON ROD (mm)<br>VASTAGO (mm) | PISTON (mm)<br>PISTÓN (mm) | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|-----------------|-------------------------|---------------------------------|----------------------------|-----------------------------|---|
| SE25100               | 1/4" BSP        | 490                     | 25                              | 32 H9                      | 100                         | - |
| SE25150               | 1/4" BSP        | 490                     | 25                              | 32 H9                      | 150                         | - |
| SE25200               | 1/4" BSP        | 490                     | 25                              | 32 H9                      | 200                         | - |
| SE25250               | 1/4" BSP        | 490                     | 25                              | 32 H9                      | 250                         | - |
| SE25300               | 1/4" BSP        | 490                     | 25                              | 32 H9                      | 300                         | - |
| SE30150               | 3/8" BSP        | 706                     | 30                              | 40 H9                      | 150                         | - |
| SE30200               | 3/8" BSP        | 706                     | 30                              | 40 H9                      | 200                         | - |
| SE30250               | 3/8" BSP        | 706                     | 30                              | 40 H9                      | 250                         | - |
| SE30300               | 3/8" BSP        | 706                     | 30                              | 40 H9                      | 300                         | - |
| SE30350               | 3/8" BSP        | 706                     | 30                              | 40 H9                      | 350                         | - |
| SE30400               | 3/8" BSP        | 706                     | 30                              | 40 H9                      | 400                         | - |
| SE30450               | 3/8" BSP        | 706                     | 30                              | 40 H9                      | 450                         | - |
| SE30550               | 3/8" BSP        | 706                     | 30                              | 40 H9                      | 550                         | - |
| SE30700               | 3/8" BSP        | 706                     | 30                              | 40 H9                      | 700                         | - |
| SE40200               | 3/8" BSP        | 1.250                   | 40                              | 50 H9                      | 200                         | - |
| SE40250               | 3/8" BSP        | 1.250                   | 40                              | 50 H9                      | 250                         | - |
| SE40300               | 3/8" BSP        | 1.250                   | 40                              | 50 H9                      | 300                         | - |
| SE40350               | 3/8" BSP        | 1.250                   | 40                              | 50 H9                      | 350                         | - |
| SE40400               | 3/8" BSP        | 1.250                   | 40                              | 50 H9                      | 400                         | - |
| SE40450               | 3/8" BSP        | 1.250                   | 40                              | 50 H9                      | 450                         | - |
| SE40500               | 3/8" BSP        | 1.250                   | 40                              | 50 H9                      | 500                         | - |
| SE40550               | 3/8" BSP        | 1.250                   | 40                              | 50 H9                      | 550                         | - |
| SE40600               | 3/8" BSP        | 1.250                   | 40                              | 50 H9                      | 600                         | - |
| SE40700               | 3/8" BSP        | 1.250                   | 40                              | 50 H9                      | 700                         | - |

## Cilindros S.E. con cabeza y guías

S.A. cylinder (with head bush)

Vérins S.E. (avec tête et guides)

Cilindri tuffanti ( con testa e guida)



| Part n°<br>Referencia | THREAD<br>ROSCA | KG/100BAR<br>KG/100 BAR | PISTON ROD (mm)<br>VASTAGO (mm) | PISTON (mm)<br>PISTÓN (mm) | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|-----------------|-------------------------|---------------------------------|----------------------------|-----------------------------|---|
| SE45200               | 3/8" BSP        | 1.590                   | 45                              | 50 H9                      | 200                         | - |
| SE45300               | 3/8" BSP        | 1.590                   | 45                              | 50 H9                      | 300                         | - |
| SE45400               | 3/8" BSP        | 1.590                   | 45                              | 50 H9                      | 400                         | - |
| SE45550               | 3/8" BSP        | 1.590                   | 45                              | 50 H9                      | 550                         | - |
| SE45700               | 3/8" BSP        | 1.590                   | 45                              | 50 H9                      | 700                         | - |
| SE50200               | 3/8" BSP        | 1.960                   | 50                              | 55 H9                      | 200                         | - |
| SE50300               | 3/8" BSP        | 1.960                   | 50                              | 55 H9                      | 300                         | - |
| SE50400               | 3/8" BSP        | 1.960                   | 50                              | 55 H9                      | 400                         | - |
| SE50550               | 3/8" BSP        | 1.960                   | 50                              | 55 H9                      | 550                         | - |
| SE50700               | 3/8" BSP        | 1.960                   | 50                              | 55 H9                      | 700                         | - |
| SE55300               | 3/8" BSP        | 2.370                   | 55                              | 60 H9                      | 300                         | - |
| SE55550               | 3/8" BSP        | 2.370                   | 55                              | 60 H9                      | 550                         | - |
| SE55700               | 3/8" BSP        | 2.370                   | 55                              | 60 H9                      | 700                         | - |
| SE60200               | 3/8" BSP        | 2.820                   | 60                              | 65 H9                      | 200                         | - |
| SE60300               | 3/8" BSP        | 2.820                   | 60                              | 65 H9                      | 300                         | - |
| SE60400               | 3/8" BSP        | 2.820                   | 60                              | 65 H9                      | 400                         | - |
| SE60550               | 3/8" BSP        | 2.820                   | 60                              | 65 H9                      | 550                         | - |
| SE60700               | 3/8" BSP        | 2.820                   | 60                              | 65 H9                      | 700                         | - |



Hydraulic cylinders  
Vérins hydrauliques  
Cilindri idraulici

## Cilindros freno

## Brake cylinders

Vérins frein

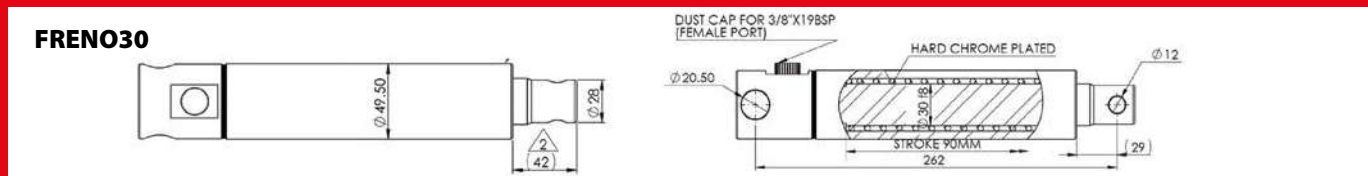
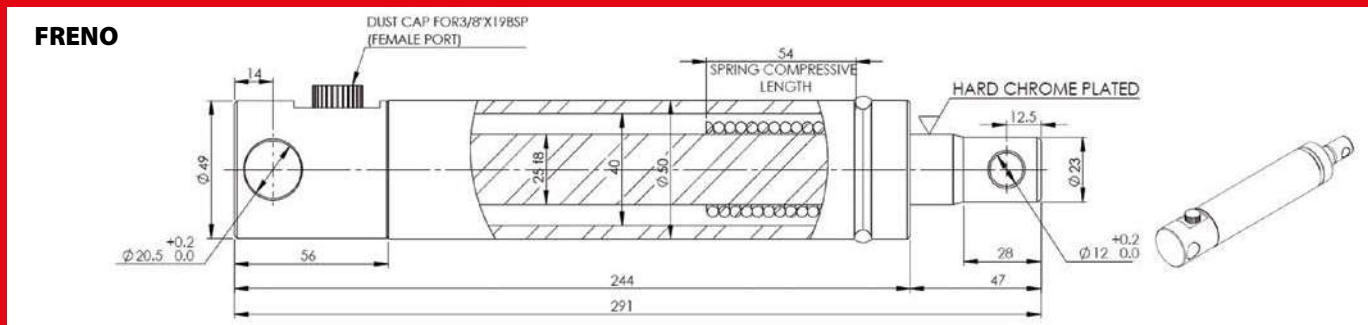
Cilindri freno



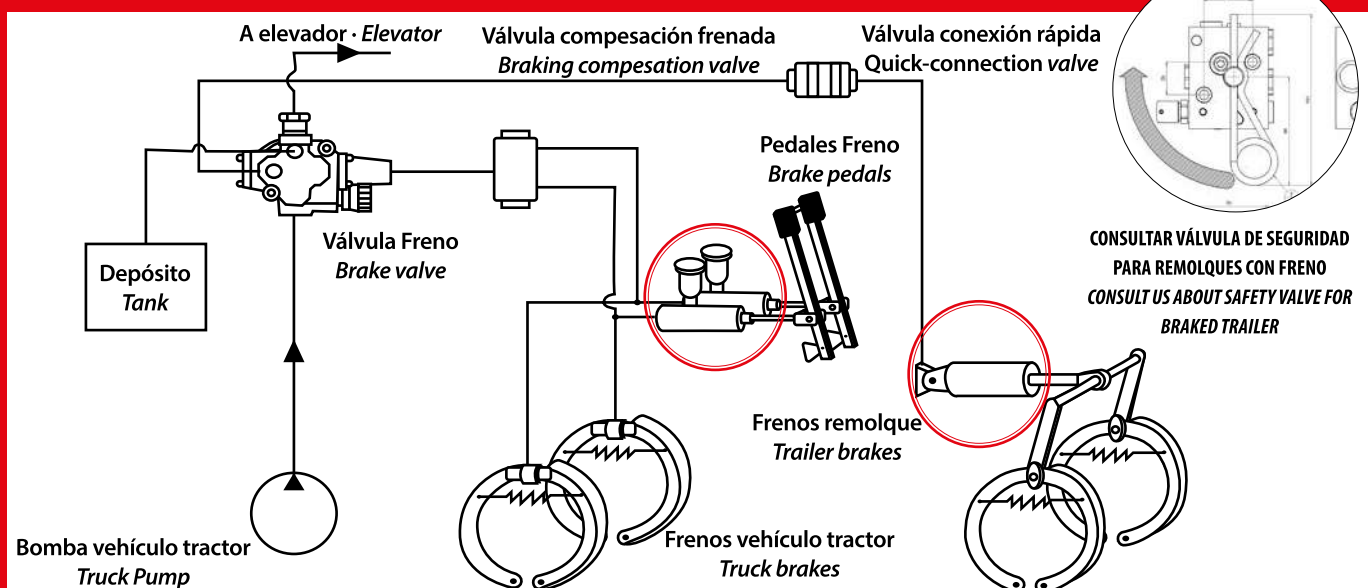
| Part n°<br>Referencia | PISTON ROD (mm)<br>VASTAGO (mm) | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|---------------------------------|-----------------------------|---|
| <b>FRENO</b>          | 25                              | 95                          | - |
| <b>FRENO30</b>        | 30                              | 90                          | - |

## CILINDROS FRENO · BRAKE CYLINDERS

- **Cilindros con cotas · Cylinder with dimensions**



● Esquema instalación · Installation diagram



**Consultar disponibilidad de válvula freno y de compensación de frenada**  
**Consult availability of brake valve and braking compensation valve**

# CILINDROS HIDRÁULICOS

Hydraulic cylinders

Vérins hydrauliques

Cilindri idraulici

## Cilindros D.E.(casq. en vast.- culote talad.)

Double acting cylinder with bush and bottom drilled

Vérins D.E. (manchon sur tige et arrière taraudé)

Cilindri doppio effetto (con boccia su stelo e fondello forato)



| Part n°<br>Referencia | THREAD<br>ROSCA | KG/100BAR<br>KG/100 BAR | PISTON ROD (mm)<br>VASTAGO (mm) | PISTON (mm)<br>PISTON (mm) | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|-----------------|-------------------------|---------------------------------|----------------------------|-----------------------------|---|
| DECC2032050           | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 50                          | - |
| DECC2032100           | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 100                         | - |
| DECC2032150           | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 150                         | - |
| DECC2032200           | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 200                         | - |
| DECC2032250           | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 250                         | - |
| DECC2032300           | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 300                         | - |
| DECC2032400           | 1/4" BSP        | 800                     | 20                              | 32 H9                      | 400                         | - |
| DECC2540100           | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 100                         | - |
| DECC2540150           | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 150                         | - |
| DECC2540200           | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 200                         | - |
| DECC2540250           | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 250                         | - |
| DECC2540300           | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 300                         | - |
| DECC2540400           | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 400                         | - |
| DECC2540500           | 3/8" BSP        | 1.250                   | 25                              | 40 H9                      | 500                         | - |
| DECC3050100           | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 100                         | - |
| DECC3050150           | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 150                         | - |
| DECC3050200           | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 200                         | - |
| DECC3050250           | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 250                         | - |
| DECC3050300           | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 300                         | - |
| DECC3050400           | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 400                         | - |
| DECC3050500           | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 500                         | - |
| DECC3050600           | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 600                         | - |
| DECC3050700           | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 700                         | - |
| DECC3050800           | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 800                         | - |
| DECC3050900           | 3/8" BSP        | 1.960                   | 30                              | 50 H9                      | 900                         | - |
| DECC3060100           | 3/8" BSP        | 2.820                   | 30                              | 60 H9                      | 100                         | - |
| DECC3060150           | 3/8" BSP        | 2.820                   | 30                              | 60 H9                      | 150                         | - |
| DECC3060200           | 3/8" BSP        | 2.820                   | 30                              | 60 H9                      | 200                         | - |
| DECC3060250           | 3/8" BSP        | 2.820                   | 30                              | 60 H9                      | 250                         | - |
| DECC3060300           | 3/8" BSP        | 2.820                   | 30                              | 60 H9                      | 300                         | - |
| DECC3060350           | 3/8" BSP        | 2.820                   | 30                              | 60 H9                      | 350                         | - |
| DECC3060400           | 3/8" BSP        | 2.820                   | 30                              | 60 H9                      | 400                         | - |
| DECC3060450           | 3/8" BSP        | 2.820                   | 30                              | 60 H9                      | 450                         | - |
| DECC3060500           | 3/8" BSP        | 2.820                   | 30                              | 60 H9                      | 500                         | - |
| DECC3060600           | 3/8" BSP        | 2.820                   | 30                              | 60 H9                      | 600                         | - |
| DECC3060700           | 3/8" BSP        | 2.820                   | 30                              | 60 H9                      | 700                         | - |
| DECC4070200           | 3/8" BSP        | 3.840                   | 40                              | 70 H9                      | 200                         | - |
| DECC4070250           | 3/8" BSP        | 3.840                   | 40                              | 70 H9                      | 250                         | - |
| DECC4070300           | 3/8" BSP        | 3.840                   | 40                              | 70 H9                      | 300                         | - |
| DECC4070350           | 3/8" BSP        | 3.840                   | 40                              | 70 H9                      | 350                         | - |
| DECC4070400           | 3/8" BSP        | 3.840                   | 40                              | 70 H9                      | 400                         | - |
| DECC4070450           | 3/8" BSP        | 3.840                   | 40                              | 70 H9                      | 450                         | - |
| DECC4070500           | 3/8" BSP        | 3.840                   | 40                              | 70 H9                      | 500                         | - |
| DECC4070600           | 3/8" BSP        | 3.840                   | 40                              | 70 H9                      | 600                         | - |
| DECC4070700           | 3/8" BSP        | 3.840                   | 40                              | 70 H9                      | 700                         | - |
| DECC4080200           | 3/8" BSP        | 5.020                   | 40                              | 80 H9                      | 200                         | - |
| DECC4080250           | 3/8" BSP        | 5.020                   | 40                              | 80 H9                      | 250                         | - |
| DECC4080300           | 3/8" BSP        | 5.020                   | 40                              | 80 H9                      | 300                         | - |
| DECC4080350           | 3/8" BSP        | 5.020                   | 40                              | 80 H9                      | 350                         | - |
| DECC4080400           | 3/8" BSP        | 5.020                   | 40                              | 80 H9                      | 400                         | - |
| DECC4080500           | 3/8" BSP        | 5.020                   | 40                              | 80 H9                      | 500                         | - |
| DECC4080600           | 3/8" BSP        | 5.020                   | 40                              | 80 H9                      | 600                         | - |
| DECC4080700           | 3/8" BSP        | 5.020                   | 40                              | 80 H9                      | 700                         | - |
| DECC50100300          | 3/8" BSP        | 7.850                   | 50                              | 100 H9                     | 300                         | - |
| DECC50100400          | 3/8" BSP        | 7.850                   | 50                              | 100 H9                     | 400                         | - |
| DECC50100500          | 3/8" BSP        | 7.850                   | 50                              | 100 H9                     | 500                         | - |
| DECC50100700          | 3/8" BSP        | 7.850                   | 50                              | 100 H9                     | 700                         | - |
| DECC50100900          | 3/8" BSP        | 7.850                   | 50                              | 100 H9                     | 900                         | - |
| DECC70120500          | 1/2" BSP        | 11.300                  | 70                              | 120 H9                     | 500                         | - |
| DECC701201000         | 1/2" BSP        | 11.300                  | 70                              | 120 H9                     | 1.000                       | - |

# CILINDROS HIDRÁULICOS

Hydraulic cylinders  
Vérins hydrauliques  
Cilindri idraulici

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

## Cilindros D.E. Rótula agrícola

D.A. cylinder top link

Vérin hydraulique D.E. 3ème point avec rotule agricole

Cilindri doppio effetto snodo sferico "agricola"



| Part n°<br>Referencia | THREAD<br>ROSCA | KG/100BAR<br>KG/100 BAR | ØRT  | PISTON ROD (mm)<br>VASTAGO (mm) | PISTON (mm)<br>PISTON (mm) | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|-----------------|-------------------------|------|---------------------------------|----------------------------|-----------------------------|---|
| DECC3050160CR19       | 3/8" BSP        | 1.960                   | 19,4 | 30                              | 50 H9                      | 160                         | - |
| DECC3050210CR19       | 3/8" BSP        | 1.960                   | 19,4 | 30                              | 50 H9                      | 210                         | - |
| DECC3050280CR19       | 3/8" BSP        | 1.960                   | 19,4 | 30                              | 50 H9                      | 280                         | - |
| DECC3050400CR19       | 3/8" BSP        | 1.960                   | 19,4 | 30                              | 50 H9                      | 400                         | - |
| DECC3050160CR25       | 3/8" BSP        | 1.960                   | 25,4 | 30                              | 50 H9                      | 160                         | - |
| DECC3050210CR25       | 3/8" BSP        | 1.960                   | 25,4 | 30                              | 50 H9                      | 210                         | - |
| DECC3050280CR25       | 3/8" BSP        | 1.960                   | 25,4 | 30                              | 50 H9                      | 280                         | - |
| DECC3050400CR25       | 3/8" BSP        | 1.960                   | 25,4 | 30                              | 50 H9                      | 400                         | - |
| DECC3565160CR25       | 3/8" BSP        | 3.310                   | 25,4 | 35                              | 65 H9                      | 160                         | - |
| DECC3565210CR25       | 3/8" BSP        | 3.310                   | 25,4 | 35                              | 65 H9                      | 210                         | - |
| DECC3565280CR25       | 3/8" BSP        | 3.310                   | 25,4 | 35                              | 65 H9                      | 280                         | - |
| DECC3565400CR25       | 3/8" BSP        | 3.310                   | 25,4 | 35                              | 65 H9                      | 400                         | - |
| DECC4080160CR25       | 3/8" BSP        | 5.020                   | 25,4 | 40                              | 80 H9                      | 160                         | - |
| DECC4080210CR25       | 3/8" BSP        | 5.020                   | 25,4 | 40                              | 80 H9                      | 210                         | - |
| DECC4080280CR25       | 3/8" BSP        | 5.020                   | 25,4 | 40                              | 80 H9                      | 280                         | - |
| DECC4080400CR25       | 3/8" BSP        | 5.020                   | 25,4 | 40                              | 80 H9                      | 400                         | - |

## Rótulas para soldar en vástago

Ball-and-socket joint to weld in rod

Rotules à souder sur tige

Snodi sferici "agricoli" a saldare per steli



| Part n°<br>Referencia | ØRT (mm)<br>ØRT (mm) | € |
|-----------------------|----------------------|---|
| ROTV19                | 19                   | - |
| ROTV20                | 20                   | - |
| ROTV25                | 25                   | - |
| ROTV30                | 30                   | - |
| ROTV35                | 35                   | - |
| ROTV40                | 40                   | - |

## Rótulas para soldar en culote

Ball-and-socket joint to weld in culotte

Rotules à souder à l'arrière du verin

Snodi sferici "agricoli" a saldare per fondelli



| Part n°<br>Referencia | ØRT (mm)<br>ØRT (mm) | € |
|-----------------------|----------------------|---|
| ROTC19                | 19                   | - |
| ROTC22                | 22                   | - |
| ROTC25                | 25                   | - |
| ROTC28                | 28                   | - |
| ROTC35                | 35                   | - |

## CILINDROS HIDRÁULICOS

Hydraulic cylinders  
Vérins hydrauliques  
Cilindri idraulici



### Horquillas para soldar

Yoke to weld

Fourche à souder

Forcelle a saldare "fresate"

| Part n°<br>Referencia | DIAMETER (mm)<br>DIAMETRO (mm) | € |
|-----------------------|--------------------------------|---|
| HOR16                 | 16 H9                          | - |
| HOR20                 | 20 H9                          | - |
| HOR25                 | 25 H9                          | - |
| HOR30                 | 30 H9                          | - |
| HOR35                 | 35 H9                          | - |

## CONSULTE NUESTRA GAMA DE ACCESORIOS PARA CILINDROS SEE OUR RANGE OF ACCESSORIES FOR CYLINDERS



ROTC \* ROTV HOR



**Cilindros Simple Efecto**  
Single Acting Cylinders



**Cilindros Doble Efecto**  
Double Acting Cylinders



\* ROTV \* HOR \*

\*Consultar disponibilidad

\*Consult us.

# MOTORES HIDRÁULICOS LENTOS

## ORBITAL MOTORS



### IMPULSORES | PUMPS

P 1-15



### CONTROL | CONTROL

P 16-77



### ACCESORIOS | ACCESSORIES

P 92-99



### ACTUADORES | MOTION DEVICES

P 78-91



## **DEPÓSITOS Y ACCESORIOS** 238

Tanks and accessories  
Réservoirs et accessoires  
Serbatoi e accessori

## **FILTROS** 243

Filters  
Filtre  
Filtri

## **INTERCAMBIADORES DE CALOR** 251

Heat exchangers  
Échangeurs de chaleur  
Scambiatori di calore

## **ACUMULADORES** 254

Accumulators  
Accumulateurs  
Accumulatori





# 04

## **| ACCESORIOS**

Accessories

Accessoires

Accessori



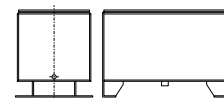
# DEPÓSITOS Y ACCESORIOS

Tanks and accessories  
Réservoirs et accessoires  
Serbatoi e accessori



## Depósitos CF

CF Tanks  
Réservoirs CF  
Serbatoi CF

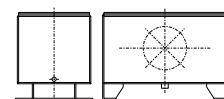


| Part n°<br>Referencia | NOMINAL CAPACITY (l)<br>CAPACIDAD NOMINAL (l) | € |
|-----------------------|-----------------------------------------------|---|
| CF12GC                | 14                                            | - |
| CF16GC                | 22                                            | - |
| CF30GC                | 39                                            | - |
| CF55GC                | 58                                            | - |
| CF75GC                | 75                                            | - |
| CF100GC               | 100                                           | - |
| CF180GC               | 165                                           | - |



## Depósitos CFP con tapa de registro

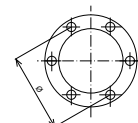
CFP tank with register cover  
Réservoirs CFP avec plaque de révision  
Serbatoi CFP con coperchio per revisione



| Part n°<br>Referencia | CAPACITY (l)<br>CAPACIDAD (l) | COVER<br>TAPA | € |
|-----------------------|-------------------------------|---------------|---|
| CFP150TRD350          | 150                           | TRD350        | - |
| CFP225TRD350          | 225                           | TRD350        | - |
| CFP300TRD475          | 300                           | TRD475        | - |
| CFP400TRD475          | 400                           | TRD475        | - |

## Tapa revisión depósito con junta

Register plate for tank  
Plaque de révision avec joint pour réservoir  
Coperchio per revisione con guarnizione



| Part n°<br>Referencia | DIAMETER (mm)<br>DIÁMETRO (mm) | € |
|-----------------------|--------------------------------|---|
| TRD275                | 275                            | - |
| TRD350                | 350                            | - |
| TRD400                | 400                            | - |
| TRD475                | 475                            | - |

## Tapón llenado plástico

Plastic filler plug  
Bouchon de remplissage en plastique  
Tappo di carico in plastica



| Part n°<br>Referencia | DN | DETAILS<br>DETALLES                  | € |
|-----------------------|----|--------------------------------------|---|
| TPA                   | 73 | CESTA EXTRAÍBLE / EXTRACTIBLE BASKET | - |

## Tapones de llenado

Filler breather  
Bouchons de remplissage  
Tappi di carico



| Part n°<br>Referencia | DETAILS<br>DETALLES | DEGREE OF FILTRATION<br>GRADO DE FILTRACIÓN | € |
|-----------------------|---------------------|---------------------------------------------|---|
| FT-5-C10              | Mini                | 10µm                                        | - |
| FT-8-C10/1            | Normal              | 10µm                                        | - |
| FT-8-C10/2            | Largo / Large       | 10µm                                        | - |
| FT-5-C40              | Mini                | 40µm                                        | - |
| FT-8-C40/1            | Normal              | 40µm                                        | - |
| FT-8-C40/2            | Largo / Large       | 40µm                                        | - |

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### Brida inclinada con tapón de llenado

Angled flange with breather  
Bride inclinée avec bouchon de remplissage  
Flangia inclinata con tappo di carico

| Part n°<br>Referencia | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|------------------------------------------|---|
| TCARI1080             | 10 µm                                    | - |
| TCARI4080             | 40 µm                                    | - |



### Filtros desecantes

Desiccant filters  
Filtres déshydratants  
Filtri essiccanti

NEW

| Part n°<br>Referencia | R1   | Details<br>Detalles | € |
|-----------------------|------|---------------------|---|
| FBD11                 | 3/8" | 64x147              | - |
| FBD20                 | 1"   | 104x155             | - |
| FBD21                 | 1"   | 104x210             | - |
| FBD22                 | 1"   | 104x264             | - |



### Tapón Aluminio sin filtro

Aluminum filler breather without filter  
Bouchon aluminium sans filtre  
Tappo alluminio senza filtro

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| TSSR0G                | 1/8" BSP        | - |
| TSSR1G                | 1/4" BSP        | - |
| TSSR2G                | 3/8" BSP        | - |
| TSSR3G                | 1/2" BSP        | - |
| TSSR4G                | 3/4" BSP        | - |
| TSSR5G                | 1" BSP          | - |



### Tapón acero con filtro en base

Filler breather with filter in the bottom  
Bouchon acier reniflard filtre au fond  
Tappo acciaio con filtro nella base

| Part n°<br>Referencia | THREAD<br>ROSCA | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|-----------------|------------------------------------------|---|
| TSF1G                 | 1/4" BSP        | 40 µm                                    | - |
| TSF2G                 | 3/8" BSP        | 40 µm                                    | - |
| TSF3G                 | 1/2" BSP        | 40 µm                                    | - |
| TSF4G                 | 3/4" BSP        | 40 µm                                    | - |
| TSF5G                 | 1" BSP          | 40 µm                                    | - |
| TSF6G                 | 1 1/4" BSP      | 200 µm                                   | - |
| TSF7G                 | 1 1/2" BSP      | 200 µm                                   | - |
| TSF8G                 | 2" BSP          | 200 µm                                   | - |



### Tapón acero con filtro en cabeza

Filler breather with filter in the top  
Bouchon acier reniflard avec filtre à la tête  
Tappo acciaio con filtro nella testa

| Part n°<br>Referencia | THREAD<br>ROSCA | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|-----------------|------------------------------------------|---|
| TSFA0G                | 1/8" BSP        | 40 µm                                    | - |
| TSFA1G                | 1/4" BSP        | 40 µm                                    | - |
| TSFA2G                | 3/8" BSP        | 40 µm                                    | - |
| TSFA3G                | 1/2" BSP        | 40 µm                                    | - |
| TSFA4G                | 3/4" BSP        | 40 µm                                    | - |
| TSFA5G                | 1" BSP          | 40 µm                                    | - |

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### Tapón hexagonal metálico con agujero y filtro

Metallic hexagonal plug with drill and filter

Bouchon acier reniflard avec purge et filtre

Tappo testa esagonale con foro di sfiato e filtro



| Part n°<br>Referencia | THREAD<br>ROSCA | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|-----------------|------------------------------------------|---|
| TCSF1G                | 1/4" BSP        | 40 µm                                    | - |
| TCSF2G                | 3/8" BSP        | 40 µm                                    | - |
| TCSF3G                | 1/2" BSP        | 40 µm                                    | - |
| TCSF4G                | 3/4" BSP        | 40 µm                                    | - |
| TCSF5G                | 1" BSP          | 40 µm                                    | - |

### Tapón macho hexagonal

Hexagonal male plug

Bouchon mâle hexagonal

Tappo di carico maschio esagonale



| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| TC/F1G                | 1/4" BSP        | - |
| TC/F2G                | 3/8" BSP        | - |
| TC/F3G                | 1/2" BSP        | - |
| TC/F4G                | 3/4" BSP        | - |
| TC/F5G                | 1" BSP          | - |

### Tapón magnético

Magnetic plug

Bouchon acier magnétique

Tappo magnetico



| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| TCSM/F1G              | 1/4" BSP        | - |
| TCSM/F2G              | 3/8" BSP        | - |
| TCSM/F3G              | 1/2" BSP        | - |
| TCSM/F4G              | 3/4" BSP        | - |
| TCSM/F5G              | 1" BSP          | - |
| TCEM1G                | 1/4" BSP        | - |
| TCEM2G                | 3/8" BSP        | - |
| TCEM3G                | 1/2" BSP        | - |
| TCEM4G                | 3/4" BSP        | - |
| TCEM5G                | 1" BSP          | - |
| TCEM6G                | 1 1/4" BSP      | - |

TCEM=ALLEN: TCSM=HEX. / TCEM=ALLEN: TCSM=HEX. / TCEM=ALLEN: TCSM=HEX. / TCEM=ALLEN: TCSM=HEX.

### Tapón desvaporador

Filling plug with breather

Bouchon reniflard

Tappo di sfiato



| Part n°<br>Referencia | THREAD<br>ROSCA | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|-----------------|------------------------------------------|---|
| FAI4                  | 1/4" BSP        | 40 µm                                    | - |
| FAI6                  | 3/8" BSP        | 40 µm                                    | - |
| FAI8                  | 1/2" BSP        | 40 µm                                    | - |
| FAI12                 | 3/4" BSP        | 40 µm                                    | - |
| FAI16                 | 1" BSP          | 40 µm                                    | - |

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## Visor lateral aluminio (BSP)

BSP aluminium lateral sight

Voyant de niveau latéral aluminium (BSP)

Indicatore di livello laterale in alluminio BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| 1FC1G                 | 1/2" BSP        | - |
| 1FC2G                 | 3/4" BSP        | - |
| 1FC3G                 | 1" BSP          | - |
| 1FC4G                 | 1 1/4" BSP      | - |



## Visor aluminio (BSP)

BSP aluminium sight

Voyant de niveau aluminium (BSP)

Indicatore di livello di alluminio BSP

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| TLAN1G*               | 1/4" BSP        | - |
| TLA6G*                | 1 1/4" BSP      | - |
| TLA/F1G               | 3/8" BSP        | - |
| TLA/F2G               | 1/2" BSP        | - |
| TLA/F3G               | 3/4" BSP        | - |
| TLA/F4G               | 1" BSP          | - |
| TLA/F5G               | 1 1/4" BSP      | - |

\* Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

Hasta TLA6G foto superior. Desde TLA/F1G hasta TLA/F5G foto inferior. / Up to TLA6G top photo. From TLA/F1G to TLA/F5G bottom photo. / Jusqu'à TLA6G photo du haut. De TLA/F1G à TLA/F5G photo du bas. / Fino TLA6G foto in alto. Dal foto TLA/F1G al TLA/F5G in basso.



## Visor aluminio (métrico)

Metric aluminium sight

Voyant de niveau aluminium (métrique)

Indicatore di livello di alluminio Metrico

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| TLAN1M*               | M14X1.5         | - |
| TLA6M*                | M24X1.5         | - |
| TLA9M*                | M27X1.5         | - |
| TLA12M                | M33X1.5         | - |
| TLAF1M                | M16X1.5         | - |
| TLAF2M                | M18X1.5         | - |
| TLAF3M                | M20X1.5         | - |
| TLAF4M                | M22X1.5         | - |
| TLAF9M                | M30X1.5         | - |

\* Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

\* Hasta TLA9M foto superior. Desde TLAF1M hasta TLAF9M foto inferior. / Up to TLA9M top photo. From TLAF1M to TLAF9M bottom photo. / Jusqu'à TLA9M photo du haut. De TLAF1M à TLAF9M photo du bas. / Fino TLA9M foto in alto. Dal foto TLAF1M al TLAF9M in basso.

## DEPÓSITOS Y ACCESORIOS

Tanks and accessories  
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### Nivel eléc. 1 contacto min. conmutado

Electrical level gauge 1 contact

Niveau électrique 1 contact

Livello elettrico 1 contatto min. commutato



| Part n°<br>Referencia | L (mm) | € |
|-----------------------|--------|---|
| NE1C150               | 150    | - |
| NE1C200               | 200    | - |
| NE1C250               | 250    | - |
| NE1C300               | 300    | - |
| NE1C350               | 350    | - |
| NE1C400               | 400    | - |
| NE1C500               | 500    | - |

### Niveles

Level gauges

Indicateurs de niveau

Livelli



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE (mm)<br>TAMANO (mm) | DETAILS<br>DETALLES                      | € |
|-----------------------|-----------------|--------------------------|------------------------------------------|---|
| FL-1                  | M10             | 76                       | Nivel / Level                            | - |
| FL-2                  | M12             | 127                      | Nivel / Level                            | - |
| FL-3                  | M 12            | 254                      | Nivel / Level                            | - |
| NEW FL-4              | M 12            | 300                      | Nivel / Level                            | - |
| NEW FL-5              | M 12            | 400                      | Nivel / Level                            | - |
| NEW FL-6              | M 12            | 500                      | Nivel / Level                            | - |
| FL-1-T                | M10             | 76                       | Nivel + Termómetro / Level + Thermometer | - |
| FL-2-T                | M12             | 127                      | Nivel + Termómetro / Level + Thermometer | - |
| FL-3-T                | M12             | 254                      | Nivel + Termómetro / Level + Thermometer | - |

FL T = con termómetro / FL T = with thermometer / FL T = con thermomètre / FL T = con termometro

### Nivel óptico eléctrico 1 contacto

Electrical optical level gauge 1 contact

Niveau optique électrique 1 contact

Livello ottico elettrico a 1 contatto



| Part n°<br>Referencia | L (mm) | € |
|-----------------------|--------|---|
| LVSE-2                | 127    | - |
| LVSE-3                | 254    | - |

### Brida acople motor

Motor flange with support

Bride d'accouplement moteur

Flangia a piede per accoppiamento motore



| Part n°<br>Referencia | Ø        | € |
|-----------------------|----------|---|
| P160                  | B5 160mm | - |
| P200                  | B5 200mm | - |
| P250                  | B5 250mm | - |
| P300                  | B5 300mm | - |

# FILTROS

Filters  
Filtre  
Filtri



## Filtro en línea (carcasas)

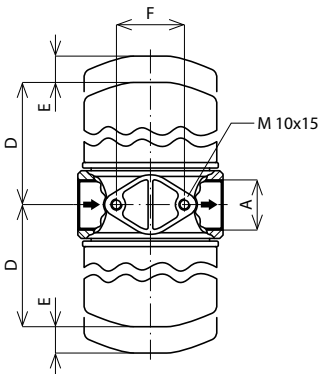
In line filter housing  
Filtre en ligne (Tête)  
Filtro in linea (carcassa)

| Part n°<br>Referencia | THREAD<br>ROSCA | CARTRIDGE<br>CARTUCHO | € |
|-----------------------|-----------------|-----------------------|---|
| FA-1-10/11-A          | 3/4" BSP        | SPA-1-10 - SPA-1-11   | - |
| FA-1-20/21-A          | 1"1/4 BSP       | SPA-1-20 - SPA-1-21   | - |
| FA-1-30/31-A          | 1"1/2 BSP       | SPA-1-20 - SPA-1-21   | - |
| FA-1-40/41-A          | 1"1/2 BSP       | SPA-1-20 - SPA-1-21   | - |
| FA-1-10/11-R          | 3/4" BSP        | SPA-1-10 - SPA-1-11   | - |
| FA-1-20/21-R          | 1"1/4 BSP       | SPA-1-20 - SPA-1-21   | - |
| FA-1-30/31-R          | 1"1/2 BSP       | SPA-1-20 - SPA-1-21   | - |
| FA-1-40/41-R          | 1"1/2 BSP       | SPA-1-20 - SPA-1-21   | - |

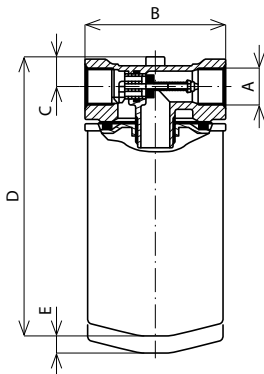
"A"=Aspiración: "R"=Retorno / "A"=Inlet: "R"=Return / "A"=Aspiration: "R"=Retour / A = Aspirazione: R = Ritorno



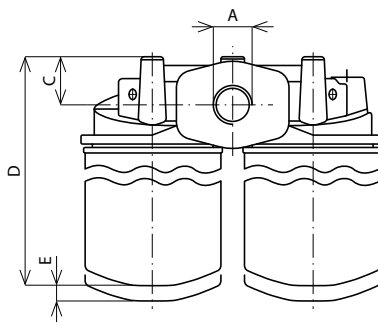
FA-1-30/31



FA-1-10/11/20/21



FA-1-40/41



## FILTROS

Filters

Filtre

Filtri

### Filtro en línea (cartuchos)

In line filter element

Filtre en ligne (Cartouche)

Filtro in linea (cartuccia)



| Part n°<br>Referencia | SIZE<br>TAMANO | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|----------------|------------------------------------------|---|
| SPA-1-10-C10          | 10             | 10 µm                                    | - |
| SPA-1-11-C10          | 11             | 10 µm                                    | - |
| SPA-1-20-C10          | 20             | 10 µm                                    | - |
| SPA-1-21-C10          | 21             | 10 µm                                    | - |
| SPA-1-10-C25          | 10             | 25 µm                                    | - |
| SPA-1-11-C25          | 11             | 25 µm                                    | - |
| SPA-1-20-C25          | 20             | 25 µm                                    | - |
| SPA-1-21-C25          | 21             | 25 µm                                    | - |
| SPA-1-10-T60          | 10             | 60 µm                                    | - |
| SPA-1-11-T60          | 11             | 60 µm                                    | - |
| SPA-1-20-T60          | 20             | 60 µm                                    | - |
| SPA-1-21-T60          | 21             | 60 µm                                    | - |
| SPA-1-10-T125         | 10             | 125 µm                                   | - |
| SPA-1-11-T125         | 11             | 125 µm                                   | - |
| SPA-1-20-T125         | 20             | 125 µm                                   | - |
| SPA-1-21-T125         | 21             | 125 µm                                   | - |

### Filtro semi-sumergido de retorno (carcasa)

Submerged return filter housing

Tête filtre retour semi-immersé

Filtro in ritorno semi immerso (Carcassa)



| Part n°<br>Referencia | THREAD<br>ROSCA | SIZE<br>TAMANO | CARTRIDGE<br>CARTUCHO | € |
|-----------------------|-----------------|----------------|-----------------------|---|
| FR1-40*               | 1" BSP          | M10            | R-1-40                | - |
| FR1-61*               | 2" BSP          | M10            | R-1-60                | - |
| FR1-64*               | 2" BSP          | M10            | R-1-64                | - |
| NEW FRT-R1-10         | 1/2" BSP        | M6             | R-1-10                | - |
| NEW FRT-R1-20         | 1/2" BSP        | M8             | R-1-20                | - |
| NEW FRT-R1-22         | 3/4" BSP        | M8             | R-1-22                | - |
| NEW FRT-R1-30         | 1" BSP          | M8             | R-1-30                | - |
| NEW FRT-R1-40         | 1"1/4 BSP       | M10            | R-1-40                | - |
| NEW FRT-R1-41         | 1"1/4 BSP       | M10            | R-1-41                | - |
| NEW FRT-R1-45         | 1"1/2 BSP       | M10            | R-1-45                | - |
| NEW FRT-R1-50         | 1"1/4 BSP       | M10            | R-1-50                | - |
| NEW FRT-R1-51         | 1"1/2 BSP       | M10            | R-1-61                | - |
| NEW FRT-R1-60         | 1"1/2 BSP       | M10            | R-1-60                | - |
| NEW FRT-R1-64         | 2" BSP          | M10            | R-1-64                | - |
| NEW FRT-R1-66         | 2" BSP          | M10            | R-1-66                | - |

\* Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

\* Carcasa de plástico hasta tamaños 41, a partir de 50 la carcasa es de metal. Posibilidad de montaje en serie, consultar tubos de extensión y accesorios ver página 246 / Plastic body upto size 41, metallic body from size 50. FRT filter type can be assembled in line. Elements required to be found at page 246 / Corps en plastique jusqu'à taille 41, corps métallique à partir de taille 50. Le filtre type FRT permet le montage en ligne. Des accessoires nécessaires à la page 246 / Corpo in plastica fino alla grandezza 41, a partire da 50 il corpo è di metallo. Possibilità di montaggio in serie. Consultare prolunghe tubi e accessori a pagina 246



**PAG. 246** | **ACCESORIOS PARA FRT**  
**PAGE 246** | **FRT ACCESSORIES**



## FILTROS

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### Filtro semi-sumergido de retorno (cartucho)

Submerged return filter element  
Cartouche filtre retour semi-immergé  
Filtro in ritorno immerso (Cartuccia)

| Part n°<br>Referencia | SIZE<br>TAMANO | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|----------------|------------------------------------------|---|
| R-1-10-C10-B          | 10             | 10 µm                                    | - |
| R-1-20-C10-B          | 20             | 10 µm                                    | - |
| R-1-22-C10-B          | 22             | 10 µm                                    | - |
| R-1-30-C10-B          | 30             | 10 µm                                    | - |
| R-1-40-C10-B          | 40             | 10 µm                                    | - |
| R-1-50-C10-B          | 50             | 10 µm                                    | - |
| R-1-51-C10-B          | 51             | 10 µm                                    | - |
| R-1-60-C10-B          | 60             | 10 µm                                    | - |
| R-1-64-C10-B          | 64             | 10 µm                                    | - |
| R-1-65-C10-B          | 65             | 10 µm                                    | - |
| R-1-10-C25-B          | 10             | 25 µm                                    | - |
| R-1-20-C25-B          | 20             | 25 µm                                    | - |
| R-1-22-C25-B          | 22             | 25 µm                                    | - |
| R-1-40-C25-B          | 40             | 25 µm                                    | - |
| R-1-50-C25-B          | 50             | 25 µm                                    | - |
| R-1-51-C25-B          | 51             | 25 µm                                    | - |
| R-1-60-C25-B          | 60             | 25 µm                                    | - |
| R-1-64-C25-B          | 64             | 25 µm                                    | - |
| R-1-65-C25-B          | 65             | 25 µm                                    | - |
| R-1-66-C25-B          | 66             | 25 µm                                    | - |
| R-1-10-T60-B          | 10             | 60 µm                                    | - |
| R-1-20-T60-B          | 20             | 60 µm                                    | - |
| R-1-22-T60-B          | 22             | 60 µm                                    | - |
| R-1-40-T60-B          | 40             | 60 µm                                    | - |
| R-1-50-T60-B          | 50             | 60 µm                                    | - |
| R-1-51-T60-B          | 51             | 60 µm                                    | - |
| R-1-60-T60-B          | 60             | 60 µm                                    | - |
| R-1-64-T60-B          | 64             | 60 µm                                    | - |
| R-1-65-T60-B          | 65             | 60 µm                                    | - |
| R-1-10-T125-B         | 10             | 125 µm                                   | - |
| R-1-20-T125-B         | 20             | 125 µm                                   | - |
| R-1-22-T125-B         | 22             | 125 µm                                   | - |
| R-1-40-T125-B         | 40             | 125 µm                                   | - |
| R-1-50-T125-B         | 50             | 125 µm                                   | - |
| R-1-51-T125-B         | 51             | 125 µm                                   | - |
| R-1-64-T125-B         | 64             | 125 µm                                   | - |
| R-1-65-T125-B         | 65             | 125 µm                                   | - |
| R-1-66-G25-B          | 66             | 25 µm                                    | - |

Tipo C: Papel; Tipo T: Malla metálica; Tipo G: Fibra inorgánica / Type C: Paper; Type T: wire mesh; Type G: inorganic fiber / Type C: Papier; Type T: Maille métallique; Type G: fibre inorganique / Tipo C: Carta; Tipo T: Treccia metallica; Tipo G: Fibra inorganica



### Filtro de aspiración sumergido 125 micras

Submerged suction filters 125 µ  
Crépines d'aspiration immergées 125 µ  
Filtro in aspirazione immersi 125 µ

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|-----------------|------------------------------------------|------------------------------------------|---|
| FS-1-10-T125          | 3/8" BSP        | 16                                       | 125 µm                                   | - |
| FS-1-11-T125          | 1/2" BSP        | 26                                       | 125 µm                                   | - |
| FS-1-20-T125          | 3/4" BSP        | 45                                       | 125 µm                                   | - |
| FS-1-21-T125          | 1" BSP          | 65                                       | 125 µm                                   | - |
| FS-1-30-T125          | 1" BSP          | 110                                      | 125 µm                                   | - |
| FS-1-31-T125          | 1"1/4 BSP       | 110                                      | 125 µm                                   | - |
| FS-1-32-T125          | 1"1/2 BSP       | 150                                      | 125 µm                                   | - |
| FS-1-33-T125          | 1"1/2 BSP       | 150                                      | 125 µm                                   | - |
| FS-1-34-T125          | 2" BSP          | 240                                      | 125 µm                                   | - |
| FS-1-40-T125          | 1"1/2 BSP       | 150                                      | 125 µm                                   | - |
| FS-1-41-T125          | 2" BSP          | 240                                      | 125 µm                                   | - |
| FS-1-42-T125          | 2"1/2 BSP       | 380                                      | 125 µm                                   | - |
| FS-1-43-T125          | 3" BSP          | 500                                      | 125 µm                                   | - |

# FILTROS

Filters  
Filtre  
Filtri

## Filtro semi-sumergido de retorno completo

Submerged return filter (Complete)  
Filtre retour semi-immergé (Complet)  
Filtro in ritorno immerso (Completo)



| Part n°<br>Referencia | THREAD<br>ROSCA | MOUNTING FLANGE 6 SCREWS<br>BRIDA AMARRE 6 TORNILLOS | CARTRIDGE<br>CARTUCHO | € |
|-----------------------|-----------------|------------------------------------------------------|-----------------------|---|
| FR66R130C10B50B       | 1" BSP          | 114-116mm                                            | R-1-30-C10-B          | - |
| FR66R130C10B60B       | 1" 1/4 BSP      | 114-116mm                                            | R-1-30-C10-B          | - |
| FR66R130C25B50B       | 1" BSP          | 114-116mm                                            | R-1-30-C25-B          | - |
| FR66R130C25B60B       | 1" 1/4 BSP      | 114-116mm                                            | R-1-30-C25-B          | - |

Recambio de cartucho R-1-30 / Filter element replacement R-1-30 / Élément filtrant de réchange R-1-30 / Sostituzione della cartuccia R-1-30

## Accesorios para Filtro semi-sumergido

Accessories for submerged return filter  
Accessoires pour filtre retour semi-immergé  
Accessori per filtro in ritorno immerso



| Part n°<br>Referencia | Text<br>Letra                                         | € |
|-----------------------|-------------------------------------------------------|---|
| DS350                 | A-varilla graduada / dipstick                         | - |
| B610F03               | B- respiradero de repuesto / replacement breather     | - |
| ET2250                | C-tubo de extensión de 250 mm / 250mm extension tube  | - |
| ET2500                | C-tubo de extensión de 500 mm / 500mm extension tube  | - |
| NEW ET4200            | C-tubo de extensión de 200 mm / 200mm extension tube  | - |
| NEW ET4500            | C-tubo de extensión de 250 mm / 250mm extension tube  | - |
| CT2250                | D- tubo de conexión de 250 mm / 250mm connecting tube | - |
| NEW CT4200            | D- tubo de conexión de 200 mm / 200mm connecting tube | - |
| DF040                 | E-difusor Ø 40 mm / diffuser Ø 40 mm                  | - |
| NEW DF065             | E-difusor Ø 65 mm / diffuser Ø 65 mm                  | - |

## Filtro en línea media-alta presión (completo) 40 bar / 70 bar

Medium-high pressure in line filter (Complete) 40 bar / 70 bar  
Filtre en ligne moyenne-haute pression (Complet) 40 bar / 70 bar  
Filtro in linea per media - alta pressione (completo) 40 bar / 70 bar



| Part n°<br>Referencia   | THREAD<br>ROSCA | VISUAL INDICATOR<br>INDICADOR VISUAL | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-------------------------|-----------------|--------------------------------------|-----------------------------------------|-------------------------------------------|------------------------------------------|---|
| F040DMD0008E10BBB4DSZ30 | 3/4" BSP        | 28 psi                               | 50                                      | 70                                        | 10 µm                                    | - |
| F040DMD0015E10BBB6DSZ30 | 1"1/4 BSP       | 28 psi                               | 250                                     | 40                                        | 10 µm                                    | - |

## Filtro en línea media-alta presión (completo) 80 bar / 100 bar

Medium-high pressure in line filter (Complete) 80 bar / 100 bar  
Filtre en ligne moyenne-haute pression (Complet) 80 bar / 100 bar  
Filtro in linea per media - alta pressione (completo) 80 bar / 100 bar



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|-----------------|-----------------------------------------|-------------------------------------------|------------------------------------------|---|
| F100XD040G10AB4DSZ30  | 3/4" BSP        | 50                                      | 100                                       | 10 µm                                    | - |
| F100XD100G10AB5DSZ30  | 1" BSP          | 120                                     | 100                                       | 10 µm                                    | - |
| F100XD160G10AB6DSZ30  | 1"1/4 BSP       | 250                                     | 80                                        | 10 µm                                    | - |

# FILTROS

Filters  
Filtre  
Filtri

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

NEW

## Filtro en línea media-alta presión (completo) 320 bar



Medium-high pressure in line filter (Complete) 320 bar

Filtre en ligne moyenne-haute pression (Complet) 320 bar

Filtro in linea per media - alta pressione (completo) 320 bar

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|------------------------------------------|---|
| FH320D120G06AB4E05L   | 3/4" BSP        | 130                                      | 320                                       | 6 µm                                     | - |
| FH320D120G06AB5E05L   | 1" BSP          | 150                                      | 320                                       | 6 µm                                     | - |
| FH320D120G10AB4E05L   | 3/4" BSP        | 130                                      | 320                                       | 10 µm                                    | - |
| FH320D120G10AB5E05L   | 1" BSP          | 150                                      | 320                                       | 10 µm                                    | - |
| FH320D120G15AB4E05L   | 3/4" BSP        | 130                                      | 320                                       | 15 µm                                    | - |
| FH320D120G15AB5E05L   | 1" BSP          | 150                                      | 320                                       | 15 µm                                    | - |
| FH320D121G06AB4E05L   | 3/4" BSP        | 130                                      | 320                                       | 6 µm                                     | - |
| FH320D121G06AB5E05L   | 1" BSP          | 150                                      | 320                                       | 6 µm                                     | - |
| FH320D121G10AB4E05L   | 3/4" BSP        | 130                                      | 320                                       | 10 µm                                    | - |
| FH320D121G10AB5E05L   | 1" BSP          | 150                                      | 320                                       | 10 µm                                    | - |
| FH320D121G15AB4E05L   | 3/4" BSP        | 130                                      | 320                                       | 15 µm                                    | - |
| FH320D121G15AB5E05L   | 1" BSP          | 150                                      | 320                                       | 15 µm                                    | - |

## Cartuchos media-alta presión para F040



Cartridges medium-high pressure for F040

Cartouches moyenne-haute pression pour F040

Cartucce per media - alta pressione per F040

| Part n°<br>Referencia | SIZE<br>TAMAÑO | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|----------------|------------------------------------------|---|
| DMD0008E10B           | 40             | 10 µm                                    | - |

## Cartuchos media-alta presión para F040, F100 y F160



Cartridges medium-high pressure for F040, F100 and F160

Cartouches moyenne-haute pression pour F040, F100 et F160

Cartucce per media - alta pressione per F040, F100 e F160

| Part n°<br>Referencia | SIZE<br>TAMAÑO | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----------------------|----------------|------------------------------------------|---|
| XD040G03A             | 40             | 3 µm                                     | - |
| XD040G06A             | 40             | 6 µm                                     | - |
| XD040G10A             | 40             | 10 µm                                    | - |
| XD100G03A             | 100            | 3 µm                                     | - |
| XD100G06A             | 100            | 6 µm                                     | - |
| XD100G10A             | 100            | 10 µm                                    | - |
| XD160G03A             | 160            | 3 µm                                     | - |
| XD160G06A             | 160            | 6 µm                                     | - |
| XD160G10A             | 160            | 10 µm                                    | - |

## Cartuchos media-alta presión para F280/320



Cartridges medium-high pressure for F280/320

Cartouches moyenne-haute pression pour F280/320

Cartucce per media - alta pressione per F280/320

|     | Part n°<br>Referencia | SIZE<br>TAMAÑO | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----|-----------------------|----------------|------------------------------------------|---|
| NEW | D120G06A              | 20             | 6 µm                                     | - |
| NEW | D120G10A              | 20             | 10 µm                                    | - |
| NEW | D120G15A              | 20             | 15 µm                                    | - |
|     | D121G03A              | 21             | 3 µm                                     | - |
|     | D121G06A              | 21             | 6 µm                                     | - |
|     | D121G10A              | 21             | 10 µm                                    | - |
| NEW | D121G15A              | 21             | 15 µm                                    | - |
|     | D140G03A              | 40             | 3 µm                                     | - |
|     | D140G06A              | 40             | 6 µm                                     | - |
|     | D140G10A              | 40             | 10 µm                                    | - |

# UNIDAD DE FILTRACIÓN

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## FILTRATION UNIT



- ✓ Alarga la vida de tus equipos
- ✓ Dimensiones compactas
- ✓ Reduce el consumo de aceite

- ✓ Extends equipment 's lifetime
- ✓ Compacts dimensions
- ✓ Reduces oil consumption

## FILTROS

Filters  
Filtre  
Filtri



### Filtro en línea alta presión (completo con cartucho e indicador electrico) 420 bar

High pressure in line filter (Complete with cartridge and electrical visual) 420 bar

Filtre en ligne haute pression (Complet avec cartouche et voyant électrique) 420 bar

Filtro in linea per alta pressione (completo con cartuccia e visore elettrico) 420 bar

NEW

|     | Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | CARTRIDGE<br>CARTUCHO | € |
|-----|-----------------------|-----------------|-----------------------------------------|------------------------------------------|-----------------------|---|
|     | FD130G10AB4DZ4*       | 3/4" BSP        | 160                                     | 10 µm                                    | D1-30-G10A            | - |
|     | FD131G03AB4DZ4*       | 3/4" BSP        | 200                                     | 3 µm                                     | D-1-31-G03A           | - |
| NEW | FH420D120G06AB4DCE05L | 3/4" BSP        | 75                                      | 6 µm                                     | D1-20-G06A            | - |
| NEW | FH420D120G10AB3DCE05L | 1/2" BSP        | 75                                      | 10 µm                                    | D1-20-G10A            | - |
| NEW | FH420D120G10AB4DCE05L | 3/4" BSP        | 75                                      | 10 µm                                    | D1-20-G10A            | - |
| NEW | FH420D135G06AB5DCE05L | 1" BSP          | 150                                     | 6 µm                                     | D1-35-G06A            | - |
| NEW | FH420D135G10AB5DCE05L | 1" BSP          | 150                                     | 10 µm                                    | D1-35-G10A            | - |
| NEW | FH420D137G06AB5DCE05L | 1" BSP          | 320                                     | 6 µm                                     | D1-37-G06A            | - |
| NEW | FH420D137G06AB6DCE05L | 1" 1/4 BSP      | 320                                     | 6 µm                                     | D1-37-G06A            | - |
| NEW | FH420D137G10AB5DCE05L | 1" BSP          | 320                                     | 10 µm                                    | D1-37-G10A            | - |
| NEW | FH420D137G10AB6DCE05L | 1" 1/4 BSP      | 320                                     | 10 µm                                    | D1-37-G10A            | - |

\*Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento



### Filtro en línea alta presión (cartucho)

High pressure in line filter (Cartridge)

Filtre en ligne haute pression (Cartouche)

Filtro in linea per alta pressione (cartuccia)

|     | Part n°<br>Referencia | SIZE<br>TAMAÑO | FILTRATION DEGREE<br>GRADO DE FILTRACIÓN | € |
|-----|-----------------------|----------------|------------------------------------------|---|
|     | D1-10-G06A            | 10             | 6 µm                                     | - |
|     | D1-10-G10A            | 10             | 10 µm                                    | - |
|     | D-1-11-G06A           | 11             | 6 µm                                     | - |
|     | D-1-11-G25A           | 11             | 25 µm                                    | - |
|     | D1-21-G06A            | 21             | 6 µm                                     | - |
|     | D1-30-G06A            | 30             | 6 µm                                     | - |
|     | D1-30-G10A            | 30             | 10 µm                                    | - |
|     | D-1-31-G10B           | 31             | 10 µm                                    | - |
|     | D-1-31-G03A           | 31             | 3 µm                                     | - |
| NEW | D-1-35-G06A           | 35             | 6 µm                                     | - |
| NEW | D-1-35-G10A           | 35             | 10 µm                                    | - |
| NEW | D-1-37-G06A           | 37             | 6 µm                                     | - |
| NEW | D-1-37-G10A           | 37             | 10 µm                                    | - |
|     | D-1-41-G06A           | 41             | 6 µm                                     | - |

### Unidades de filtración

Filtration units

Unités de filtration

Unità di filtrazione



| Part n°<br>Referencia | DETAILS<br>DETALLES | Flow (l/min)<br>Caudal (l/min) | € |
|-----------------------|---------------------|--------------------------------|---|
| FUHO15MG0BSO          | 3-6-10-25 micras    | 15                             | - |

En caso de pedido indicar micras del cartucho / Please report filtration degree in case of order / SVP veuillez spécifier le nombre de microns en cas de commande / In caso di ordine indicare i Micron della cartuccia

## FILTROS

Filters

Filtre

Filtri



### Manómetro de colores

Coloured pressure gauge

Manomètre à couleurs

Manometro con colori

| Part n°<br>Referencia | SCALE (bar)<br>ESCALA (bar) | € |
|-----------------------|-----------------------------|---|
| <b>MFI CO 03</b>      | 0-3                         | - |
| <b>MFI CO 06</b>      | 0-6                         | - |

Ver Tarifa Conducciones / See Connectors Price List / Voir Tarif du Connectique / Vedere listino Connessioni



### Vacuómetro de colores

Coloured vacuum gauge

Vacuomètre à couleurs

Vacuometro con colori

| Part n°<br>Referencia | SCALE (bar)<br>ESCALA (bar) | € |
|-----------------------|-----------------------------|---|
| <b>MFI VA 01</b>      | - 1 + 0                     | - |

Ver Tarifa Conducciones / See Connectors Price List / Voir Tarif du Connectique / Vedere listino Connessioni

# INTERCAMBIADORES DE CALOR

Heat exchangers  
Échangeurs de chaleur  
Scambiatori di calore

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



## Intercambiadores aceite/aire-serie BC

Oil/air heat exchangers-BC series

Échangeurs huile/air-série BC

Scambiatori aria - olio serie BC

| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | CAPACITY (l)<br>CAPACIDAD (l) | PROTECTION (IP)<br>PROTECCIÓN (IP) | € |
|-----------------------|-----------------|----------------------------|---------------------------|------------------------------------------|------------------------------------------|-------------------------------|------------------------------------|---|
| BC21012VDC            | 1"              | 12 VDC                     | 65                        | 5                                        | 60                                       | 1,7                           | 64                                 | - |
| BC210230V             | 1"              | 230 VAC                    | 65                        | 5                                        | 60                                       | 1,7                           | 64                                 | - |
| BC250230V             | 1"              | 220 VAC                    | 190                       | 10                                       | 80                                       | 2                             | 68                                 | - |
| BC21024VDC            | 1"              | 24 VDC                     | 65                        | 5                                        | 60                                       | 1,7                           | 64                                 | - |
| BC210400V             | 1"              | 400 VAC                    | 65                        | 5                                        | 60                                       | 1,7                           | 64                                 | - |
| BC250/2 400V          | 1"              | 400 VAC                    | 180                       | 30                                       | 180                                      | 4                             | 68                                 | - |
| BC250/212VDC          | 1"              | 12 VDC                     | 180                       | 30                                       | 180                                      | 4                             | 68                                 | - |
| BC250/2230V           | 1"              | 230 VAC                    | 180                       | 30                                       | 180                                      | 4                             | 68                                 | - |
| BC250/224VDC          | 1"              | 24 VDC                     | 180                       | 30                                       | 180                                      | 4                             | 68                                 | - |
| BC25012VDC            | 1"              | 12 VDC                     | 190                       | 10                                       | 80                                       | 2                             | 68                                 | - |
| BC25024VDC            | 1"              | 24 VDC                     | 190                       | 10                                       | 80                                       | 2                             | 68                                 | - |
| BC250400V             | 1"              | 400 VAC                    | 190                       | 10                                       | 80                                       | 2                             | 68                                 | - |
| BC39012VDC            | 1"              | 12 VDC                     | 210                       | 30                                       | 250                                      | 5                             | 68                                 | - |
| BC390230V             | 1"              | 230 VAC                    | 210                       | 30                                       | 250                                      | 5                             | 68                                 | - |
| BC39024VDC            | 1"              | 24 VDC                     | 210                       | 30                                       | 250                                      | 5                             | 68                                 | - |
| BC390400V             | 1"              | 400 VAC                    | 210                       | 30                                       | 250                                      | 5                             | 68                                 | - |

BC210 foto izq. El resto foto derecha. / BC210 photo on the left. Others photo on the right. / BC210 photo gauche. Le reste photo droite. / BC210 foto sinistra. Il resto foto destra.



## Intercambiadores aceite/aire serie AP corriente alterna

Oil/air heat exchangers-AP series, alternative current

Échangeurs huile/air-série AP courant alternatif

Scambiatori aria - olio a corrente alterna serie AP

| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | CAPACITY (l)<br>CAPACIDAD (l) | PROTECTION (IP)<br>PROTECCIÓN (IP) | € |
|-----------------------|-----------------|----------------------------|---------------------------|------------------------------------------|------------------------------------------|-------------------------------|------------------------------------|---|
| AP260230V             | 3/4"            | 230 VAC                    | 55                        | 5                                        | 60                                       | 1,2                           | 44                                 | - |
| AP300/2230V           | 1"              | 230 VAC                    | 120/160                   | 20                                       | 150                                      | 3,6                           | 44                                 | - |
| AP300230V             | 1"              | 230 VAC                    | 120/160                   | 10                                       | 80                                       | 2                             | 44                                 | - |
| AP430/2 400V          | 1"              | 230/400VAC                 | 230                       | 30                                       | 180                                      | 5,5                           | 55                                 | - |
| AP430400V             | 1"              | 230/400VAC                 | 180                       | 30                                       | 150                                      | 3,6                           | 54                                 | - |
| AP494400V             | 1"1/4           | 230/400VAC                 | 230                       | 30                                       | 240                                      | 8                             | 55                                 | - |
| AP680400V             | 1"1/2           | 230/400VAC                 | 560                       | 100                                      | 300                                      | 15                            | 55                                 | - |

AP300 foto izquierda. El resto foto derecha. Posibilidad de suministro de intercambiadores serie AP para uso marino y con certificado ATEX / AP300 photo on the left. Others photo on the right.

Possible supply of AP series heat exchangers for marine use and ATEX certified / AP300 photo gauche. Le reste photo droite. On peut fournir des échangeurs de chaleur série AP pour utilisation marine et certifié ATEX / AP 300 foto sinistra. Il resto foto destra. Possibilità di fornitura di scambiatori serie AP per uso marino econ certificato ATEX



## Intercambiadores aceite/aire serie APL corriente continua

Oil/air heat exchangers-APL series, direct current

Échangeurs huile/air-série APL courant continu

Scambiatori aria - olio a corrente continua serie APL

| Part n°<br>Referencia | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | POWER (W)<br>POTENCIA (W) | MIN. FLOW (l/min)<br>CAUDAL MIN. (l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | CAPACITY (l)<br>CAPACIDAD (l) | PROTECTION (IP)<br>PROTECCIÓN (IP) | € |
|-----------------------|-----------------|----------------------------|---------------------------|------------------------------------------|------------------------------------------|-------------------------------|------------------------------------|---|
| APL26312VT247         | 3/4"            | 12 VDC                     | 70                        | 10                                       | 90                                       | 1,7                           | 64                                 | - |
| APL300/224VT247       | 1"              | 24 VDC                     | 180                       | 30                                       | 180                                      | 3,6                           | 64                                 | - |
| APL30024VT247         | 1"              | 24 VDC                     | 180                       | 20                                       | 150                                      | 2                             | 64                                 | - |
| APL430/224VT247       | 1"              | 24 VDC                     | 200                       | 30                                       | 200                                      | 5,5                           | 64                                 | - |
| APL58024VT247         | 1"1/2           | 24 VDC                     | 240                       | 50                                       | 250                                      | 11,5                          | 64                                 | - |

APL263 & APL30024 foto izquierda. El resto foto derecha. / APL263 & APL30024 photo on the left. Others photo on the right. / APL263 & APL30024 photo gauche. Le reste photo droite. / APL263 & APL30024 foto sinistra. Il resto foto destra



# INTERCAMBIADORES DE CALOR

Heat exchangers  
Échangeurs de chaleur  
Scambiatori di calore

## Termostato 36-47°

Thermal switch 36-47°

Thermostat 36-47°

Termostato 36-47°

| Part n°<br>Referencia | THREAD<br>ROSCA | PROTECTION (IP)<br>PROTECCIÓN (IP) | € |
|-----------------------|-----------------|------------------------------------|---|
| <b>T247</b>           | 3/8" BSP        | 65                                 | - |
| <b>T24712CC</b>       | 3/8" BSP        | 65                                 | - |
| <b>T24724CC</b>       | 3/8" BSP        | 65                                 | - |

T247 foto superior. T24712CC y T24724CC foto inferior. / T247 top photo. T24712CC and T24724CC bottom photo. / T247 MS134P5 photo du haut. T24712CC und T24724CC photo du bas. / T247 foto in alto T24712CC e T24724CC in basso.

## Termostatos bimetálicos monocontactos

Bimetallic thermal switch monocontact

Thermostats bimétalliques monocontact

Termostati bimetallici monocontatto

| Part n°<br>Referencia | THREAD<br>ROSCA | TEMPERATURE<br>TEMPERATURA | € |
|-----------------------|-----------------|----------------------------|---|
| <b>TM45A1</b>         | 1/2" BSP        | 50°C                       | - |
| <b>TM45A2</b>         | 3/8" BSP        | 50°C                       | - |
| <b>TM45A3</b>         | M22X1.5         | 50°C                       | - |
| <b>TM46A1</b>         | 1/2" BSP        | 60°C                       | - |
| <b>TM46A3</b>         | M22X1.5         | 60°C                       | - |

## Paneles para intercambiadores de calor BC

Pannels for BC heat exchangers

Panneaux pour échangeurs BC

Pannello per scambiatori di calore BC

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|----------------------------|---|
| <b>PANELBC210</b>     | Para/For BC210...          | - |
| <b>PANELBC250</b>     | Para/For BC250...          | - |
| <b>PANELBC250/2</b>   | Para/For BC250/2...        | - |
| <b>PANELBC390</b>     | Para/For BC390...          | - |

## Motores para intercambiadores de calor BC/APL/ICT

Fan for BC/APL/ICT heat exchangers

Ventilateur pour échangeurs BC/APL/ICT

Motori per scambiatori di calore BC/APL/ICT

| Part n°<br>Referencia  | DESCRIPTION<br>DESCRIPCIÓN                 | € |
|------------------------|--------------------------------------------|---|
| <b>MOTORVENT210/12</b> | BC21012VDC, APL and ICT series             | - |
| <b>MOTORVENT210/24</b> | BC210 24VDC, APL and ICT series            | - |
| <b>MOTORVENT250/12</b> | BC25012VDC, BC250/2, APL300 and ICT series | - |
| <b>MOTORVENT250/24</b> | BC25024VDC, BC250/2, APL300 and ICT series | - |
| <b>MOTORVENT390/12</b> | BC39012VDC, APL and ICT series             | - |
| <b>MOTORVENT390/24</b> | BC39024VDC, APL and ICT series             | - |

Para otros modelos, consultar disponibilidad / For other type, consult availability / Pour d'autres modèles, consultez disponibilité / Per altri modelli, consultare disponibilità

# INTERCAMBIADORES DE CALOR

Heat exchangers  
Échangeurs de chaleur  
Scambiatori di calore

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS

## Intercambiadores aceite/agua standard

Standard water/oil heat exchangers

Echangeur huile/eau standard

Scambiatori di olio / acqua



| Part n°<br>Referencia | THREAD<br>ROSCA | POWER (KW)<br>POTENCIA (KW) | MIN. FLOW (l/min)<br>CAUDAL MIN.(l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | € |
|-----------------------|-----------------|-----------------------------|-----------------------------------------|-----------------------------------------|---|
| MSG84P1               | 1" BSP          | 2-4,2                       | 30                                      | 80                                      | - |
| MSG84P2               | 1" BSP          | 2,6-5,6                     | 20                                      | 60                                      | - |
| MSG84P3               | 1" 1/2 BSP      | 3,6-8                       | 50                                      | 100                                     | - |
| MSG84P4               | 1" BSP          | 4,8-10                      | 30                                      | 80                                      | - |
| MSG84P5               | 1" 1/2 BSP      | 6-9                         | 80                                      | 130                                     | - |
| MSG84P6               | 1" 1/2 BSP      | 9-18                        | 40                                      | 90                                      | - |
| MSG84P7               | 1" 1/2 BSP      | 11-21                       | 100                                     | 160                                     | - |
| MSG134P2              | 1" 1/2 BSP      | 13-33                       | 40                                      | 130                                     | - |
| MSG134P3              | 2" BSP          | 20-39                       | 120                                     | 250                                     | - |
| MSG134P4              | 1" 1/2 BSP      | 8,5-29                      | 80                                      | 250                                     | - |
| MSG134P5              | 2" BSP          | 31-70                       | 200                                     | 400                                     | - |
| MSG134P6              | 1" 1/2 BSP      | 11-36                       | 30                                      | 170                                     | - |
| MSG134P7              | 2" BSP          | 32-95                       | 200                                     | 500                                     | - |

## Intercambiadores aceite/agua marino

Sea water/oil heat exchangers

Echangeur huile/eau marine

Scambiatori di olio / acqua marina



| Part n°<br>Referencia | THREAD<br>ROSCA | POWER (KW)<br>POTENCIA (KW) | MIN. FLOW (l/min)<br>CAUDAL MIN.(l/min) | MAX. FLOW (l/min)<br>CAUDAL MAX.(l/min) | € |
|-----------------------|-----------------|-----------------------------|-----------------------------------------|-----------------------------------------|---|
| MS84/2B2              | 1" BSP          | 7-8                         | 20                                      | 60                                      | - |
| MS84/2B3              | 1" 1/2 BSP      | 7-8                         | 50                                      | 100                                     | - |
| MS84/2B4              | 1" BSP          | 14-16                       | 30                                      | 80                                      | - |
| MS84/2B5              | 1" 1/2 BSP      | 14-16                       | 80                                      | 130                                     | - |
| MS134B2               | 1" 1/2 BSP      | 33-37                       | 40                                      | 130                                     | - |
| MS134B4               | 1" 1/2 BSP      | 48-56                       | 80                                      | 250                                     | - |

# ACUMULADORES

Accumulators  
Accumulateurs  
Accumulatori

## Acumuladores a vejiga serie HB

Accumulator bladder- HB serie

Accumulateurs à vessie série HB

Accumulatori idropneumatici a sacca serie HB

| Part n°<br>Referencia | NITROGEN VOLUME (l)<br>VOLUMEN NITROGENO (l) | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------------------------------------|-----------------|-----------------------------------------|-------------------------------------------|---|
| HB 2.5                | 2,5                                          | 1"1/4 BSP       | 220                                     | 350                                       | - |
| HB 4.5                | 4                                            | 1"1/4 BSP       | 400                                     | 350                                       | - |
| HB 6                  | 6                                            | 1"1/4 BSP       | 350                                     | 350                                       | - |
| HB 10                 | 10                                           | 1"1/4 BSP       | 300                                     | 350                                       | - |
| HB 20                 | 18,5                                         | 2" BSP          | 600                                     | 350                                       | - |
| HB 25                 | 24,9                                         | 2" BSP          | 570                                     | 350                                       | - |
| HB 35                 | 33,5                                         | 2" BSP          | 540                                     | 350                                       | - |
| HB 50                 | 49                                           | 2" BSP          | 500                                     | 350                                       | - |

## Acumuladores a vejiga serie HTR

Accumulator bladder- HTR serie

Accumulateurs à vessie série HTR

Accumulatori idropneumatici a sacca serie HTR

| Part n°<br>Referencia | NITROGEN VOLUME (l)<br>VOLUMEN NITROGENO (l) | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------------------------------------|-----------------|-----------------------------------------|-------------------------------------------|---|
| HTR 1.5               | 1,5                                          | M18X1.5         | 40                                      | 250                                       | - |
| HTR 10                | 10                                           | 1"1/4 BSP       | 300                                     | 210                                       | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

HTR 1.5 foto superior. HTR 10 foto inferior. / HTR 1.5 top photo. HTR 10 bottom photo. / HTR 1.5 photo du haut. HTR 10 photo du bas. / HTR 1.5 foto in alto. HTR 10 foto in basso.

## Acumuladores a membrana serie HST

Diaphragm accumulator HST serie

Accumulateurs à membrane série HST

Accumulatori idropneumatici a membrana serie HST

| Part n°<br>Referencia | NITROGEN VOLUME (l)<br>VOLUMEN NITROGENO (l) | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------------------------------------|-----------------|-----------------------------------------|-------------------------------------------|---|
| HST 0.05              | 0,05                                         | 3/8" BSP        | 35                                      | 300                                       | - |
| HST 0.15              | 0.15                                         | M18X1.5         | 45                                      | 300                                       | - |
| HST 0.35              | 0,35                                         | M18X1.5         | 50                                      | 300                                       | - |
| HST 0.5               | 0,5                                          | M18X1.5         | 60                                      | 300                                       | - |
| HST 0.7               | 0.7                                          | M18x1.5         | 55                                      | 300                                       | - |
| HST 1.3               | 1,3                                          | M18X1.5         | 55                                      | 300                                       | - |
| HST 1.5               | 1,5                                          | M18X1.5         | 55                                      | 300                                       | - |
| NEW HST 2.5           | 2.5                                          | M18X1.5         | 55                                      | 300                                       | - |

Hasta HST1.3 foto superior. HST1.5 foto medio - HST 2.5 foto inferior. / Up to HST1.3 top photo. HST1.5 middle photo - HST 2.5 bottom photo. / Jusqu'à HST1.3 photo du haut. HST1.5 photo du milieu - HST 2.5 photo du bas. / Fino HST1.3 foto in alto. HST1.5 foto centrale - HST 2.5 foto in basso.

## Acumuladores a vejiga serie H, no reparable

Non replaceable bladder- accumulator H serie

Accumulateurs à vessie série H pas réparable

Accumulatori idropneumatici a sacca serie H, non riparabile

| Part n°<br>Referencia | NITROGEN VOLUME (l)<br>VOLUMEN NITROGENO (l) | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX.(l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|----------------------------------------------|-----------------|-----------------------------------------|-------------------------------------------|---|
| H100R                 | 0,15                                         | M18x1,5         | 40                                      | 250                                       | - |
| H350R                 | 0,35                                         | M18x1,5         | 35                                      | 250                                       | - |
| H500R                 | 0,45                                         | M18x1,5         | 50                                      | 250                                       | - |
| H700R                 | 0,7                                          | M18x1,5         | 40                                      | 250                                       | - |
| H990R                 | 0,99                                         | M18x1,5         | 50                                      | 250                                       | - |
| NEW H1500R            | 1,5                                          | M18x1,5         | 40                                      | 250                                       | - |
| NEW H2200R            | 2.2                                          | M18x1,5         | 40                                      | 250                                       | - |
| NEW H2800R            | 2.8                                          | M18x1,5         | 40                                      | 250                                       | - |
| H4000R                | 3,8                                          | 3/4" BSP        | 80                                      | 210                                       | - |

## ACUMULADORES

Accumulators  
Accumulateurs  
Accumulatori

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



### Vejiga para acumuladores serie HB

Bladder for accumulator-HB serie  
Vessie pour accumulateurs série HB  
Sacca per accumulatori serie HB

| Part n°<br>Referencia | THREAD<br>ROSCA | NOMINAL CAPACITY (l)<br>CAPACIDAD NOMINAL (l) | € |
|-----------------------|-----------------|-----------------------------------------------|---|
| <b>SHB2.5</b>         | 5/8" UNF        | 2.5                                           | - |
| <b>SHB4.5</b>         | 5/8" UNF        | 4.5                                           | - |
| <b>SHB6</b>           | 5/8" UNF        | 6                                             | - |



### Membrana para acumuladores serie HST

Diaphragm for accumulator-HST serie  
Membrane pour accumulateurs série HST  
Membrana per accumulatori serie HTS

| Part n°<br>Referencia | CAPACITY (l)<br>CAPACIDAD (l) | € |
|-----------------------|-------------------------------|---|
| <b>MHST0.15</b>       | 0,15                          | - |
| <b>MHST0.35</b>       | 0,35                          | - |
| <b>MHST0.7</b>        | 0,7                           | - |
| <b>MHST0.8</b>        | 0,8                           | - |
| <b>MHST1.3</b>        | 1,3                           | - |
| <b>MHST1.5</b>        | 1,5                           | - |
| <b>MHST2.3</b>        | 2,3                           | - |

# ACUMULADORES

Accumulators  
Accumulateurs  
Accumulatori

## Válvula carga para acumuladores

Load valve for accumulators  
Valve de charge pour accumulateurs  
Valvola ricaricabile per accumulatori



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| VALVULA R 2           | 1/4" BSP        | 400                                       | - |
| VALVULA R             | 3/8" BSP        | 400                                       | - |

## Accesorios válvulas comprobación acumuladores

Accessories for preload and control valves for accumulators  
Accessoires pour la précharge et contrôle des accumulateurs  
Accessori per valvola di controllo per accumulatori



| Part n°<br>Referencia | THREAD<br>ROSCA      | € |
|-----------------------|----------------------|---|
| RID132                | 5/8" UNF > 7.7x1/32" | - |
| RID78                 | 5/8" UNF < 7/8" UNF  | - |

## Bloque de seguridad acumuladores (todos)

Safety blocks for accumulators (all)  
Blocs de sécurité pour accumulateurs (tous)  
Blocco di sicurezza per accumulatori (tutti)



| Part n°<br>Referencia | NITROGEN VOLUME (l)<br>VOLUMEN NITROGENO (l) | THREAD<br>ROSCA | DESCRIPTION<br>DESCRIPCION | FLOW (l/min)<br>CAUDAL (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------------------------------------|-----------------|----------------------------|--------------------------------|-------------------------------------------|---|
| SB1                   | 2,5-10                                       | 3/4" BSP        | 1/2" BSP Manual            | 55                             | 350                                       | - |
| SB1E                  | 2,5-10                                       | 3/4" BSP        | 1/2" BSP Electric.         | 55                             | 350                                       | - |
| SB2                   | 2,5-10                                       | 1" 1/4 BSP      | 1/2" BSP Manual            | 55                             | 350                                       | - |
| SB2E                  | 2,5-10                                       | 1" 1/4 BSP      | 1/2" BSP Electric.         | 55                             | 350                                       | - |
| SB3                   | 10-50                                        | 2" BSP          | 1/2" BSP Manual            | 55                             | 350                                       | - |
| SB3E                  | 10-50                                        | 2" BSP          | 1/2" BSP Electric.         | 55                             | 350                                       | - |

## Bridas tipo CR para acumulador

CR type accumulator bracket  
Brides type CR pour accumulateur  
Collari tipo CR per accumulatori



| Part n°<br>Referencia | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | € |
|-----------------------|------------------------------------------|---|
| CR114                 | 114                                      | - |
| CR168                 | 168                                      | - |
| CR223                 | 223                                      | - |

## Bridas tipo CRE para acumulador

CRE type accumulator bracket  
Brides type CRE pour accumulateur  
Collari tipo CRE per accumulatori



| Part n°<br>Referencia | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | € |
|-----------------------|------------------------------------------|---|
| CRE70                 | 70                                       | - |
| CRE92                 | 92                                       | - |
| CRE115                | 115                                      | - |
| CRE125                | 125                                      | - |
| CRE138                | 138                                      | - |

## ACUMULADORES

Accumulators  
Accumulateurs  
Accumulatori

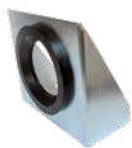
PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



### Bridas tipo MCR para acumulador

MCR type accumulator bracket  
Brides type MCR pour accumulateur  
Flangia tipo MCR per accumulatore

| Part n°<br>Referencia | FLANGE DIAM. (mm)<br>DIAMETRO BRIDA (mm) | € |
|-----------------------|------------------------------------------|---|
| <b>MCR168</b>         | 168                                      | - |
| <b>MCR223</b>         | 223                                      | - |



### Maletines para comprobación de acumuladores (multimarca)

Checking equipment for accumulator Multibrand / all brands  
Malettes de contrôle pour accumulateurs multimarque  
Valigetta per test accumulatori, multimarca

NEW

| Part n°<br>Referencia | BRAND<br>MARCAS  | € |
|-----------------------|------------------|---|
| <b>CBOXACUM</b>       | gas charging kit | - |

BOSCH / HYDAC / OLAER / FOX / BOSCH / HYDAC / OLAER / FOX / BOSCH / HYDAC / OLAER / FOX / BOSCH / HYDAC / OLAER / FOX



### Válvula comprobación acumuladores

Preload and control valves for accumulators  
Outil de précharge et contrôle des accumulateurs  
Valvola di controllo per accumulatori

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|----------------------------|---|
| <b>AR 4</b>           | 0-160 BAR                  | - |
| <b>AR5</b>            | 0-250 BAR                  | - |

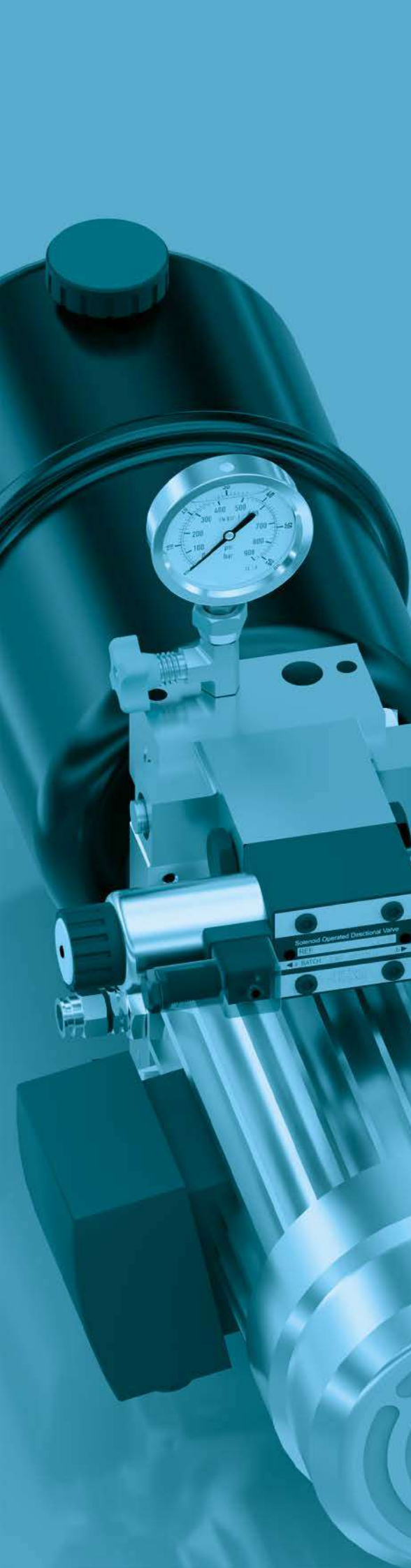
## **MINICENTRALES COMPLETAS** 261

Assembled mini power packs  
Mini-centrales montées  
Minicentrali assemblate

## **DESPIECE MINICENTRALES** 262

Mini power packs spare parts  
Pièces détachées de mini centrales  
Esploso minicentrale





# 05

## **MINICENTRALES HIDRÁULICAS**

Mini power packs

Mini-centrales hydrauliques

Minicentrali idrauliche

# MINICENTRALES HIDRÁULICAS

## MINI POWER PACK

### Simple efecto

Single Acting cylinder application



### Doble efecto

Double acting cylinder application



### Motobomba

Motor pump



### Características

Characteristics

Corriente continua: 12-24 DC

Corriente alterna:

220/50 - 0,5 a 3 CV

220/380 - 0,5 a 5,5 CV

Circuito S.E. y D.E.: Grupo motobomba

Caudales disponibles: 1,1 cm<sup>3</sup> a 9,8 cm<sup>3</sup>

Depósitos metálicos: 1 a 30 litros

Direct current: 12-24 DC

Alternating current:

220/50 - 0,5 to 3 HP

220/380 - 0,5 to 5,5 HP

SA. and DA. circuit: Motor pump group

Available flow: 1,1 cm<sup>3</sup> to 9,8 cm<sup>3</sup>

Metallic tanks: 1 to 30 lts.

## EXPLOSIONADO

## EXPLODED VIEW

### Sistema de montaje sencillo

Easy assembly system

1. Motor  
Motor

2. Bloque central  
Center block

3. Bomba  
Pump

4. Soporte  
Support

5. Depósito  
Tank

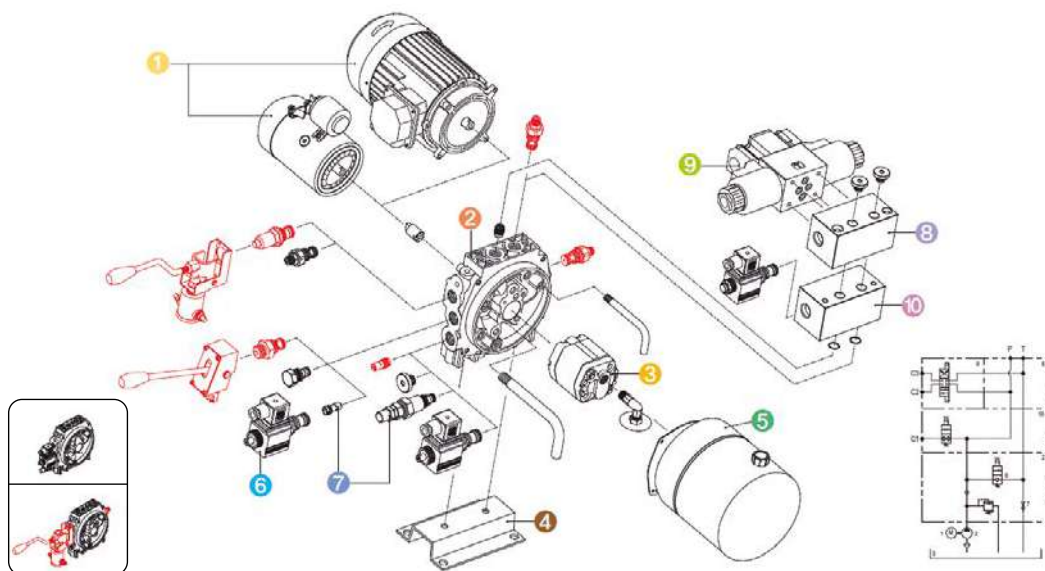
6. Válvula descenso (NC-NA)  
2 ways cartidge valve

7. Válvula compensada caudal  
Flow valve

8. Placa base NG-6  
NG6 subplate

9. Electroválvula  
Solenoid Valve

10. Espaciador para placa base  
Spacer block for subplates



## MINICENTRALES COMPLETAS

Assembled mini power packs

Mini-centrales montées

Minicentrali assemblate

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



### Minicentral CC simple efecto. válvula descenso

Mini power pack direct current for single acting circuit

Mini-centrale CC pour circuit simple effet

Minicentrale CC, S.E., valvola discesa

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | CAPACITY (l)<br>CAPACIDAD (l) | cm³/rev | POWER (HP)<br>POTENCIA (CV) | € |
|-----------------------|----------------------------|-------------------------------|---------|-----------------------------|---|
| MC12SE162             | 12 VDC                     | 2                             | 1       | 2                           | - |
| MC12SE165             | 12 VDC                     | 5                             | 1.6     | 2                           | - |
| MC12SE428             | 12 VDC                     | 8                             | 5.8     | 2                           | - |
| MC24SE584             | 24 VDC                     | 4                             | 5.8     | 3                           | - |
| MC24SE5811            | 24 VDC                     | 11                            | 5.8     | 3                           | - |
| MC24SE988             | 24 VDC                     | 8                             | 9.8     | 3                           | - |
| MC24SE9815            | 24 VDC                     | 15                            | 9.8     | 3                           | - |



### Minicentral CA Placa base, electro y antirretorno

Mini power pack AC. Subplate, directional valve and check valve

Mini-centrale CA. embase avec électro distributeur et antiretour

Minicentrale CA, piastra basa, elettrov. e ritegno

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | CAPACITY (l)<br>CAPACIDAD (l) | cm³/rev | POWER (HP)<br>POTENCIA (CV) | € |
|-----------------------|----------------------------|-------------------------------|---------|-----------------------------|---|
| MCM586EA              | 220                        | 6                             | 5.8     | 2                           | - |
| MCM8011EA             | 220                        | 11                            | 8       | 3                           | - |
| MCT371EA              | 220/380                    | 1                             | 3.7     | 1                           | - |
| MCT584EA              | 220/380                    | 4                             | 5.8     | 2                           | - |
| MCT808EA              | 220/380                    | 8                             | 8       | 3                           | - |

Electroválvula a definir según aplicación. / Directional valve to define according to application. / Électro à définir selon application. / Elettrovalvola da definire secondo l'applicazione



### Grupo motobomba - Salidas P-T 3/8 CC

DC Power Unit - P&T exits 3/8

Group Moto-pompe CC sorties P et T 3/8

Gruppo motopompa, uscita P-T 3/8 CC

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | CAPACITY (l)<br>CAPACIDAD (l) | cm³/rev | POWER (HP)<br>POTENCIA (CV) | € |
|-----------------------|----------------------------|-------------------------------|---------|-----------------------------|---|
| MB12112               | 12 VDC                     | 2                             | 1.1     | 1600                        | - |
| MB12276               | 12 VDC                     | 6                             | 2.7     | 1600                        | - |
| MB24164               | 24 VDC                     | 4                             | 1.6     | 2200                        | - |



### Grupo motobomba - Salidas P-T 3/8 CA

AC Power Unit - P&T exits 3/8

Group Moto-pompe CA sorties P et T 3/8

Gruppo motopompa, uscita P-T 3/8 CA

| Referencia<br>Part n° | VOLTAGE (V)<br>VOLTAJE (V) | CAPACITY (l)<br>CAPACIDAD (l) | cm³/rev | POTENCIA (CV)<br>POWER (HP) | € |
|-----------------------|----------------------------|-------------------------------|---------|-----------------------------|---|
| MBT4220               | 220/380                    | 20                            | 4.2     | 1,5                         | - |
| MBT428                | 220/380                    | 8                             | 4.2     | 1.5                         | - |
| MBT5811               | 220/380                    | 11                            | 5.8     | 2                           | - |
| MBT7015               | 220/380                    | 15                            | 7       | 3                           | - |

## DESPIECE MINICENTRALES

Mini power packs spare parts  
Pièces détachées de mini centrales  
Esploso minicentrale



### Bloque central

Center block  
Bloc central  
Blocco centrale

| Part n°<br>Referencia | Suitable for all configurations<br>Apta para todas las configuraciones | € |
|-----------------------|------------------------------------------------------------------------|---|
| <b>BLOCENX</b>        | Type X Mini power pack Block                                           | - |



### Soporte para bloque

Mini power pack support  
Support mini-centrale  
Supporto per blocco

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| <b>MC001 H</b>        | M10X20          | - |



### Tapones

Plugs  
Bouchons  
Tappi

| Part n°<br>Referencia | THREAD<br>ROSCA | PLUG<br>TAPON                                              | € |
|-----------------------|-----------------|------------------------------------------------------------|---|
| <b>MC030 H</b>        | 3/4" -16 UNF    | Válvula de descenso / Descent valve                        | - |
| <b>MC045 H</b>        | 1/4" BSP        | Tapón Aireador / Plug for pressure Gauge (only for BLOCEN) | - |
| <b>MC052 H</b>        | 1/4" BSP        | TAPON 1/4" BSP // PLUG 1/4" BSP                            | - |
| <b>MC048 H</b>        | 3/4" -16 UNF    | PLUG 3/4" UNF // TAPON 3/4" UNF                            | - |



### Motor corriente continua sin ventilación

Direct current motor without fan  
Moteur courant continu sans ventilation  
Motore a corrente continua senza ventilazione

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAGE (V) | POWER (W)<br>POTENCIA (W) | PROTECTION (IP)<br>PROTECCIÓN (IP) | € |
|-----------------------|----------------------------|---------------------------|------------------------------------|---|
| <b>MCM12CC H</b>      | 12 VDC                     | 1600 W                    | IP 54                              | - |
| <b>MCM24DC H</b>      | 24 VDC                     | 2200 W                    | IP 54                              | - |
| <b>MCM24DC3000 H</b>  | 24 VDC                     | 3000 W                    | IP 54                              | - |

NEW



### Motor corriente continua con ventilación

Direct current motor with fan  
Moteur courant continu avec ventilation  
Motore a corrente continua con ventilazione

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAGE (V) | POWER (W)<br>POTENCIA (W) | PROTECTION (IP)<br>PROTECCIÓN (IP) | € |
|-----------------------|----------------------------|---------------------------|------------------------------------|---|
| <b>MC042 H</b>        | 12 VDC                     | 1600 W                    | IP 10                              | - |
| <b>MC039 H</b>        | 24 VDC                     | 2200 W                    | IP 10                              | - |
| <b>MC053 H</b>        | 24 VDC                     | 3000 W                    | IP 10                              | - |

NEW



### Relé

Relay  
Relais  
Relè

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAGE (V) | PROTECTION (IP)<br>PROTECCIÓN (IP) | € |
|-----------------------|----------------------------|------------------------------------|---|
| <b>MCR12CC H</b>      | 12 VDC                     | IP 54                              | - |
| <b>MCR24CC H</b>      | 24 VDC                     | IP 54                              | - |

## DESPIECE MINICENTRALES

Mini power packs spare parts  
Pièces détachées de mini centrales  
Esploso minicentrale

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



### Motor corriente alterna

Alternative current motor  
Moteur courant alternatif  
Motore a corrente alterna

| Part n°<br>Referencia | VOLTAGE (V)<br>VOLTAJE (V) | PROTECTION (IP)<br>PROTECCION (IP) | POWER (HP)<br>POTENCIA (CV) | € |
|-----------------------|----------------------------|------------------------------------|-----------------------------|---|
| MCAM0.5 H             | 220                        | 54                                 | 0,5                         | - |
| MCAM1.0 H             | 220                        | 54                                 | 1                           | - |
| MCAM2.0 H             | 220                        | 54                                 | 2                           | - |
| MCAM2.4 H             | 220                        | 54                                 | 2,4                         | - |
| MCAM3.0 H             | 220                        | 54                                 | 3                           | - |
| MCAT0.5 H             | 230/380                    | 54                                 | 0,5                         | - |
| MCAT1.0 H             | 230/380                    | 54                                 | 1                           | - |
| MCAT1.5 H             | 230/380                    | 54                                 | 1,5                         | - |
| MCAT2.0 H             | 230/380                    | 54                                 | 2                           | - |
| MCAT3.0 H             | 230/380                    | 54                                 | 3                           | - |
| MCAT5.5 H             | 230/380                    | 54                                 | 5,5                         | - |



### Campanas

Bell housings  
Lanternes  
Campane

| Part n°<br>Referencia | POWER (HP)<br>POTENCIA (CV) | FLANGE<br>BRIDA | € |
|-----------------------|-----------------------------|-----------------|---|
| MC024 H               | 0,75-1                      | B14             | - |
| MC025 H               | 1,5-2                       | B14             | - |
| MC026 H               | 3 - 5,5                     | B14             | - |



### Acoplamiento y adaptadores

Couplings and adaptors  
Accouplements et adapteurs  
Accoppiamenti e adattatori

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION | SHAFT<br>EJE | FLANGE<br>BRIDA | € |
|-----------------------|----------------------------|--------------|-----------------|---|
| MC027 H               | C080                       | 19           | B14             | - |
| MC028 H               | C090                       | 24           | B14             | - |
| MC029 H               | C112                       | 28           | B14             | - |

## DESPIECE MINICENTRALES

Mini power packs spare parts  
Pièces détachées de mini centrales  
Esplosi minicentrale



### Depósitos

Tanks  
Réservoirs  
Serbatoi

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | CAPACITY (l)<br>CAPACIDAD (l) | € |
|-----------------------|----------------------------|-------------------------------|---|
| MCDX1 H               | Horizontal                 | 1                             | - |
| MCDX1V H              | Vertical                   | 1                             | - |
| MCDX2V H              | Vertical                   | 2                             | - |
| MCDX2 H               | Horizontal                 | 2                             | - |
| MCDX3 H               | Horizontal                 | 3                             | - |
| MCDX3V H              | Vertical                   | 3                             | - |
| MCDX4 H               | Horizontal                 | 4                             | - |
| MCDX4V H              | Vertical                   | 4                             | - |
| MCDX5 H               | Horizontal                 | 5                             | - |
| MCDX5V H              | Vertical                   | 5                             | - |
| MCDX6 H               | Horizontal                 | 6                             | - |
| MCDX6V H              | Vertical                   | 6                             | - |
| MCDX8 H               | Horizontal                 | 8                             | - |
| MCDX8V H              | Vertical                   | 8                             | - |
| MCDX11 H              | Horizontal                 | 11                            | - |
| MCDX15V H             | Vertical                   | 15                            | - |
| MCDX20 H              | Horizontal                 | 20                            | - |
| MCDX25V H             | Vertical                   | 25                            | - |
| MCDX30V H             | Vertical                   | 30                            | - |



### Filtros

Suction filters  
Crepines d'aspiration  
Filtri

| Part n°<br>Referencia | Ø OUTER.(mm)<br>Ø EXT.(mm) | € |
|-----------------------|----------------------------|---|
| MC005 H               | 43 mm                      | - |



### Visor nivel

Sight level  
Voyant niveau  
Visore di livello

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|----------------------------|---|
| MC035 H               | 60mm 2xM10                 | - |



### Tapones aireadores para depósitos

Air breathers for tanks  
Bouchons aérateurs pour réservoirs  
Tappi sfiato per serbatoi

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| MC004 H               | 1/2" BSP        | - |

# DESPIECE MINICENTRALES

Mini power packs spare parts  
Pièces détachées de mini centrales  
Esploso minicentrale

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

MINI POWER PACKS



## Bridas

Flanges  
Brides  
Flange

| Part n°<br>Referencia | WELDING FLANGE<br>BRIDA SOLDABLE | € |
|-----------------------|----------------------------------|---|
| MC002 H               | BLOCEN / BLOCEN2                 | - |
| MCX002 H              | BLOCENX                          | - |

\* Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento



## Botoneras Centralitas

Control pad  
Poignées de commande  
Pulsantiera

| Part n°<br>Referencia | BUTTON<br>PULSADOR | € |
|-----------------------|--------------------|---|
| MC036 H               | 2 DC / AC          | - |
| MC038 H               | 4 AC / DC          | - |



## Emisor+Receptor 12/24 DC

Radio remote control  
Télécommande  
Trasmettitore/ricevitore 12/24 DC

| Part n°<br>Referencia | DESCRIPTION                   | VOLTAGE (V)<br>VOLTAGE (V) | Channels<br>Canales | € |
|-----------------------|-------------------------------|----------------------------|---------------------|---|
| ER212CC H             | Doble efecto / Double acting  | 12 VDC / 24VDC             | 2                   | - |
| ER212CCS H            | Simple efecto / Single acting | 12 VDC / 24VDC             | 2                   | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento  
Ver otros emisores/receptores pagina 111 / See other radio remote controls on page 111 / Voir autres télécommandes à la page 111 / Vedere altri trasmettitori/ricevitori a pagina 111



## Bombas

Pumps  
Pompes  
Pompe

| Part n°<br>Referencia | FLOW (cm³)<br>CAUDAL (cm³) | € |
|-----------------------|----------------------------|---|
| MCB11 H               | 1,1                        | - |
| MCB16 H               | 1,6                        | - |
| MCB21 H               | 2,1                        | - |
| MCB23 H               | 2,3                        | - |
| MCB27 H               | 2,7                        | - |
| MCB32 H               | 3,2                        | - |
| MCB37 H               | 3,7                        | - |
| MCB42 H               | 4,2                        | - |
| MCB48 H               | 4,8                        | - |
| MCB58 H               | 5,8                        | - |
| MCB70 H               | 7,0                        | - |
| MCB80 H               | 8,0                        | - |
| MCB98 H               | 9,8                        | - |

Giro a izquierdas / Left turn / Rotation à gauche / Giro sinistra



## Bombas manuales

Hand pumps  
Pompes manuelles  
Pompe manuali

| Part n°<br>Referencia | THREAD<br>ROSCA | cm³/rev | € |
|-----------------------|-----------------|---------|---|
| MC044 H               | 1/4" BSP        | 6       | - |



## DESPIECE MINICENTRALES

Mini power packs spare parts  
Pièces détachées de mini centrales  
Esploso minicentrale

### Kit juntas Bomba MCB



MCB pump joints

Kit joints pompe MCB

Kit di guarnizioni pompa MCB

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION | € |
|-----------------------|----------------------------|---|
| JRMCBB                | Bombas MCB / Pumps MCB     | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

### Válvulas de descenso



2 ways cartridge valves

Valves en cartouche à 2 voies

Valvole di discesa

| Part n°<br>Referencia | DETAILS<br>DETALLES | VOLTAGE (V)<br>VOLTAGE (V) | CAVITY (mm)<br>CAVIDAD (mm) | € |
|-----------------------|---------------------|----------------------------|-----------------------------|---|
| MC012 H*              | N.C.                | 110 VAC                    | 15,87                       | - |
| MC014 H*              | N.C.                | 24 VAC                     | 15,87                       | - |
| MC015 H*              | N.C.                | 110 RAC                    | 15,87                       | - |
| MC016 H*              | N.C.                | 220 RAC                    | 15,87                       | - |
| MC017 H*              | N.O.                | 12 VDC                     | 15,87                       | - |
| MC018 H*              | N.O.                | 24 VDC                     | 15,87                       | - |
| MC033 H*              | N.O.                | 220 RAC                    | 15,87                       | - |
| MCX033 H              | N.O.                | 220 RAC                    | 12,7                        | - |
| MCX010 H              | N.C.                | 12 VDC                     | 12,7                        | - |
| MCX011 H              | N.C.                | 24 VDC                     | 12,7                        | - |
| MCX012 H              | N.C.                | 110 VAC                    | 12,7                        | - |
| MCX013 H              | N.C.                | 220 VAC                    | 12,7                        | - |
| MCX014 H              | N.C.                | 24 VAC                     | 12,7                        | - |
| MCX015 H              | N.C.                | 110 RAC                    | 12,7                        | - |
| MCX016 H              | N.C.                | 220 RAC                    | 12,7                        | - |
| MCX017 H              | N.O.                | 12 VDC                     | 12,7                        | - |
| MCX018 H              | N.O.                | 24 VDC                     | 12,7                        | - |

\* Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

\* MCX....para: Bloccenx / MCX....for: Bloccenx / MCX....for: Bloccenx / MCX....per: Bloccenx

### Válvulas limitadoras de presión



Pressure relief valve

Limiteur pression

Valvole limitatrici di pressione

| Part n°<br>Referencia | THREAD<br>ROSCA | PRESSURE RANGE (BAR)<br>CAMPO DE REG. (BAR) | CAVITY (mm)<br>CAVIDAD (mm) | € |
|-----------------------|-----------------|---------------------------------------------|-----------------------------|---|
| MC051 H*              | 3/4" -16 UNF    | 100-200                                     | 12,7                        | - |
| MCX031 H              | 3/4" -16 UNF    | 10-60                                       | 12,7                        | - |
| MCX032 H              | 3/4" -16 UNF    | 50-150                                      | 12,7                        | - |
| MCX051 H              | 3/4" -16 UNF    | 100-200                                     | 12,7                        | - |
| MCX062 H              | 3/4" -16 UNF    | 150-250                                     | 12,7                        | - |

\* Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

\* MCX....para: Bloccenx / MCX....for: Bloccenx / MCX....for: Bloccenx / MCX....per: Bloccenx

### Válvulas reguladoras de caudal



Flow restrictor valve

Étrangleur de débit

Regolatori di flusso

| Part n°<br>Referencia | CAVITY (mm)<br>CAVIDAD (mm) | THREAD<br>ROSCA | Ø OUTER(mm)<br>Ø EXT.(mm) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | € |
|-----------------------|-----------------------------|-----------------|---------------------------|------------------------------------------|---|
| MC019 H*              | 15,87                       | UNF 3/4"-16     | 15,87                     | 20                                       | - |
| MC019 H-12            | 12,7                        | UNF 3/4"-16     | 12,70                     | 20                                       | - |

\* Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

\* Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## DESPIECE MINICENTRALES

Mini power packs spare parts  
Pièces détachées de mini centrales  
Esploso minicentrale



### Placas Base

Subplates / Modular block

Embase

Piastre di base/modulari

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN                                             | € |
|-----------------------|------------------------------------------------------------------------|---|
| <b>MC020 H</b>        | Soporte placa base / Subplate support                                  | - |
| <b>MC021 H</b>        | Para 1 electroválvula en serie / For 1 directional valve in serie      | - |
| <b>MC022 H</b>        | Para electroválvulas en paralelo / For 1 directional valve in parallel | - |
| <b>MC023 H</b>        | Para 1 electroválvula con espaciador/ For 1 solenoid valve with spacer | - |
| <b>MC043 H*</b>       | Placa base especial SB76/ Special modular block SB76                   | - |

\* Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

PUMPS

CONTROL COMPONENTS

MOTION DEVICE

ACCESSORIES

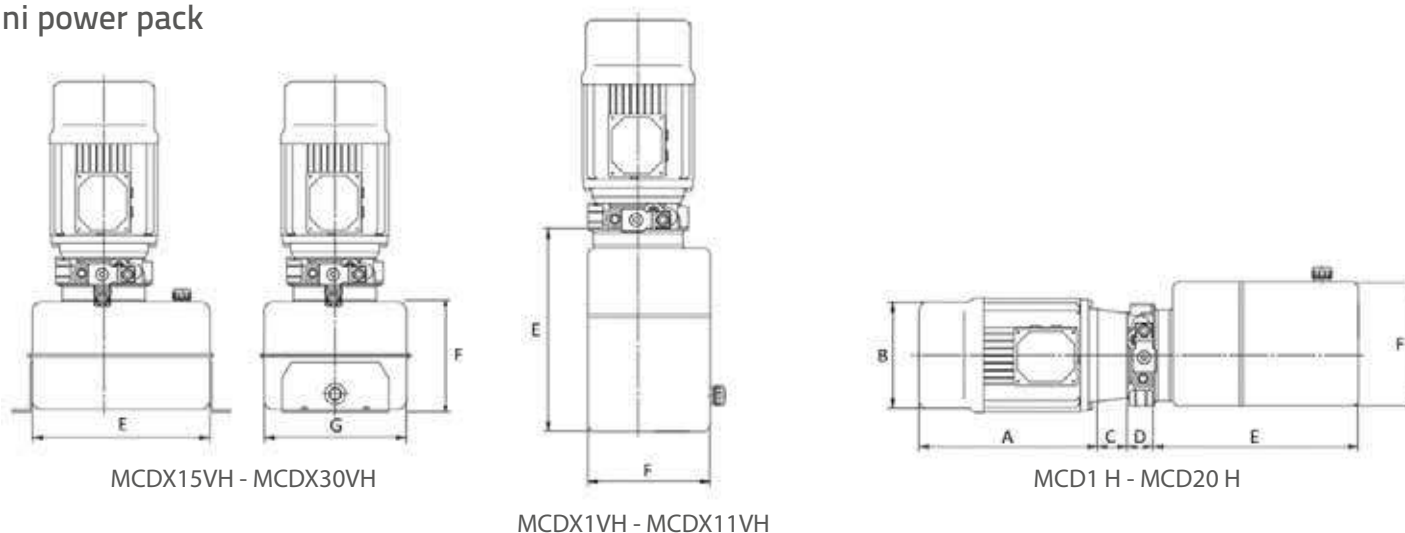
MINI POWER PACKS

## EJEMPLO DE APLICACIÓN

## APPLICATION EXAMPLE

### ■ Minicentrales

### Mini power pack



### ■ Dimensiones

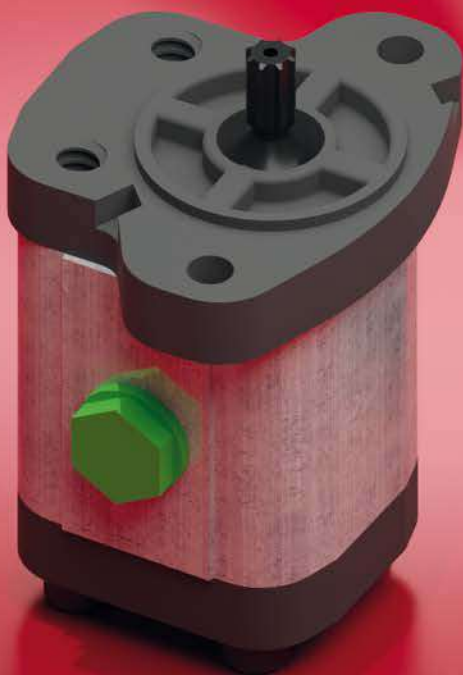
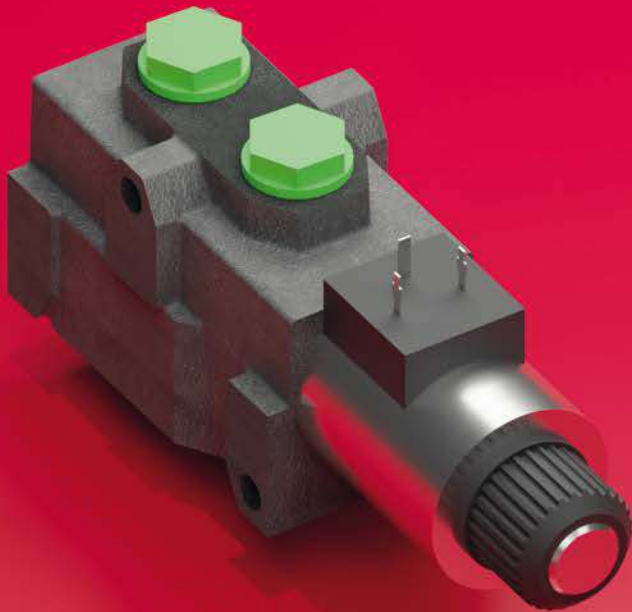
### Dimensions

| Motor<br>Motor<br>Moteur           |     |       |      |    |
|------------------------------------|-----|-------|------|----|
| Referencia<br>Part n°<br>Référence | A   | B     | C    | D  |
| MCM12CC H                          | 112 | 160   | -    | 40 |
| MCM24DC H                          | 112 | 160   | -    | 40 |
| MC039 H                            | 129 | 257   | -    | 40 |
| MC042 H                            | 129 | 257   | -    | 40 |
| MCAM0.5 H                          | 140 | 225   | -    | 40 |
| MCAM1.0 H                          | 157 | 245   | -    | 40 |
| MCAM1.5 H                          | 175 | 285   | -    | 40 |
| MCAM2.0 H                          | 175 | 285   | -    | 40 |
| MCAM2.4 H                          | 175 | 285   | -    | 40 |
| MCAM3.0 H                          | 175 | 285   | -    | 40 |
| MCAT0.5 H                          | 140 | 225   | -    | 40 |
| MCAT1.0 H                          | 157 | 245   | -    | 40 |
| MCAT1.5 H                          | 175 | 285   | -    | 40 |
| MCAT2.0 H                          | 175 | 285   | -    | 40 |
| MCAT3.0 H                          | 175 | 285   | -    | 40 |
| MCAT5.5 H                          | 220 | 335   | 67,2 | 40 |
| MET0.5B14 H                        | 220 | 185   | 40   | 40 |
| MET1B14 H                          | 250 | 208   | 40   | 40 |
| MET2B14 H                          | 300 | 227,5 | 50   | 40 |
| MET3B14 H                          | 338 | 255   | 67,2 | 40 |
| MET4B14 H                          | 338 | 255   | 67,2 | 40 |
| MET5.5B14 H                        | 387 | 275,5 | 67,2 | 40 |
| MEMAP0.5B14 H                      | 225 | 194   | 40   | 40 |
| MEMAP1.5B14 H                      | 285 | 194   | 50   | 40 |
| MEMAP1B14 H                        | 250 | 223   | 50   | 40 |
| MEMAP2B14 H                        | 315 | 240   | 50   | 40 |
| MEMAP3B14 H                        | 338 | 240   | 67,2 | 40 |

| Depósito Horizontal<br>Tank<br>Réservoir |     |       |
|------------------------------------------|-----|-------|
| Referencia<br>Part n°<br>Référence       | E   | F     |
| MCDX1 H                                  | 150 | 125.4 |
| MCDX2 H                                  | 230 | 125.4 |
| MCDX3 H                                  | 280 | 125.4 |
| MCDX4 H                                  | 135 | 190   |
| MCDX5 H                                  | 194 | 190   |
| MCDX6 H                                  | 246 | 190   |
| MCDX8 H                                  | 298 | 190   |
| MCDX11 H                                 | 428 | 190   |
| MCDX20 H                                 | 530 | 240   |

| Depósito Vertical<br>Tank<br>Réservoir |     |       |     |
|----------------------------------------|-----|-------|-----|
| Referencia<br>Part n°<br>Référence     | E   | F     | G   |
| MCDX1V H                               | 150 | 125.4 | -   |
| MCDX2V H                               | 230 | 125.4 | -   |
| MCDX3V H                               | 280 | 125.4 | -   |
| MCDX4V H                               | 135 | 190   | -   |
| MCDX5V H                               | 194 | 190   | -   |
| MCDX6V H                               | 246 | 190   | -   |
| MCDX8V H                               | 298 | 190   | -   |
| MCDX11V H                              | 428 | 190   | -   |
| MCDX15V H                              | 290 | 230   | 240 |
| MCDX25V H                              | 380 | 242   | 280 |
| MCDX30V H                              | 380 | 270   | 280 |

**Roquet**  
*making moves*



## **BOMBAS DE ENGRANAJE ROQUET**

Roquet Gear pumps  
Pompes à engranges Roquet  
Pompa ingranaggi Roquet



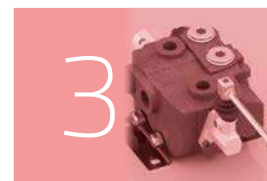
## **MOTORES DE ENGRANAJE ROQUET**

Roquet Gear Motors  
Moteurs à engranges Roquet  
Motori a ingranaggi Roquet



## **DISTRIBUIDORES HIDRÁULICOS ROQUET**

Roquet Hydraulic Control Valves  
Distributeurs hydrauliques Roquet  
Distributori Idraulic Roquet



## **SELECTORAS ROQUET**

Roquet Diverter valves  
Selecteurs Roquet  
Valvole deviatrici Roquet



## **GR.I BOMBAS SIMPLES** 285

Gr.I Single pumps  
Gr.I Pompes simples  
Gr. I Pompe singole

## **GR.II BOMBAS SIMPLES** 286

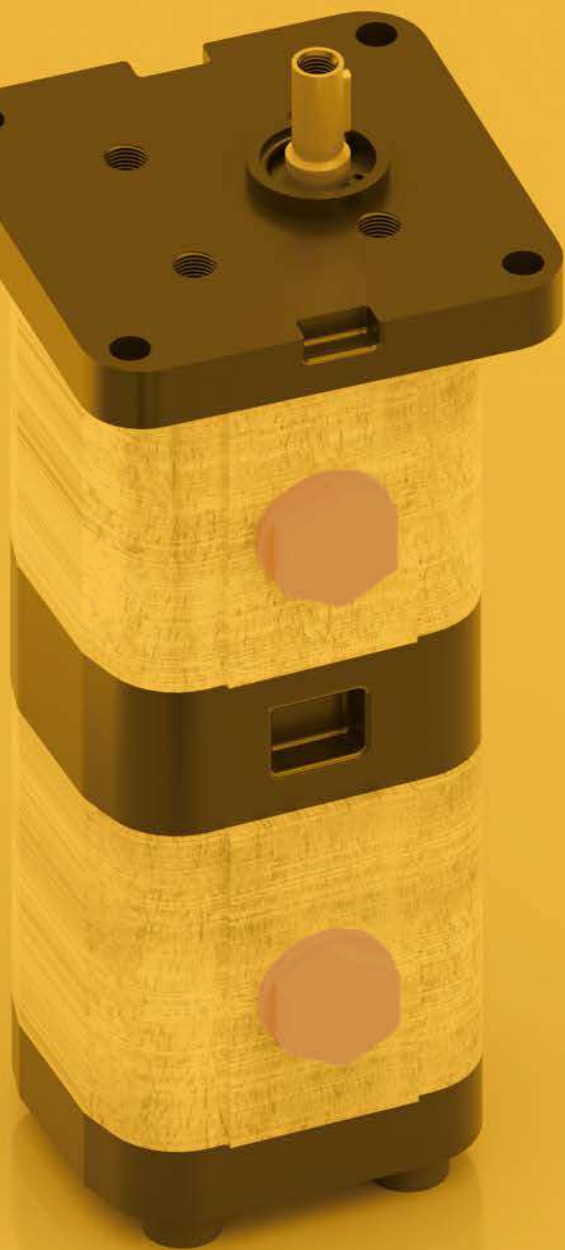
Gr.II Single pumps  
Gr.II Pompes simples  
Gr. II Pompe singole

## **BOMBAS MÚLTIPLES GR.II + GR.II** 289

Gr.II + Gr.II multiple pumps  
Pompes multiples Gr.II + Gr.II  
Pompe multiple Gr.II + Gr.II

## **GR.III BOMBAS SIMPLES** 290

Gr.III Single pumps  
Gr.III Pompes simples  
Gr. III Pompe singole



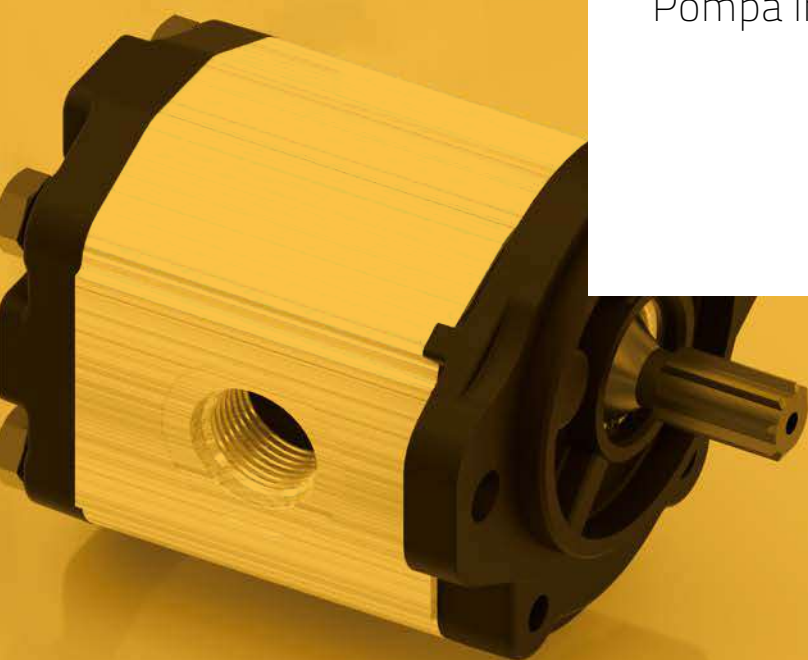
# 01

## **BOMBAS DE ENGRANAJE**

Gear pumps

Pompes à engrenages

Pompa ingranaggi







## BOMBAS DE GR I - MODO DE REFERENCIACIÓN

## GR / PUMPS - PART N<sup>o</sup>

■ **Nomenclatura referencias**  
*Part No.*

**Nomenclatura referencias**  
**Part No.**

| Tipo<br>Type |                            | Modelo<br>Model |                            | Caudal bomba<br>Pump flow rate | Sentido de giro<br>Rotation sense |                              |
|--------------|----------------------------|-----------------|----------------------------|--------------------------------|-----------------------------------|------------------------------|
| 1            | Sin polea / Without pulley | LO              | Simple / Single            | A 1500 rpm A 0 bar             | D                                 | Derecha / Clockwise          |
| 2            | Con polea / With pulley    | LQ              | Múltiple / Multiple-banked |                                | I                                 | Izquierda / Counterclockwise |
|              |                            |                 |                            |                                | R                                 | Reversible / Reversible      |
|              |                            |                 |                            |                                |                                   |                              |
|              |                            |                 |                            |                                |                                   |                              |

**Forma conexión tomas**  
Side port connection form

T R F B

**Tipo de bridas**  
Fixing flange

01 - 10 - 22 - 27  
Ver tabla 2 / See table 2

**Tipo de polea**  
Pulley type

P - R - S - T

**Forma eje motriz**  
Driving shaft form

B - C - E - J - Z  
Ver tabla 3 / See table 3

■ **Motores de engranajes**  
*Gear Motors*

|   |   |    |   |   |   |    |   |
|---|---|----|---|---|---|----|---|
| 1 | M | LO | 3 | D | J | 23 | R |
|---|---|----|---|---|---|----|---|

**Para motores de engranajes la configuración de las referencias es la misma, pero añadiendo la letra M**  
*For gear motors, the reference configuration is the same, but adding the letter "M".*

**Amplio stock de bombas y motores de engranajes: Bombas simples y múltiples. Bombas especiales para tractores. Motores de engranajes unidireccionales y bidireccionales.**

*We have a big stock of gear pumps and motors: Single and multiple pumps. Special pumps for tractors. Gear motors. Unidirectional and bidirectional.*

**Formamos bombas y motores tanto simples como múltiples, en todos formatos, bajo pedido (ver páginas siguientes).**  
*We assemble pumps and gear motors single or multiple, in all formats, on request (see following pages).*

# BOMBAS GR I- BOMBA LO

## GR I PUMPS - LO PUMPS

■ **Tabla 2 Table 2**

| Tapa tipo · Flange type ·<br>01 | Tapa tipo · Flange type ·<br>09 | Tapa tipo · Flange type ·<br>10 | Tapa tipo · Flange type ·<br>22 |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
|                                 |                                 |                                 |                                 |
| Tapa tipo · Flange type ·<br>27 |                                 |                                 |                                 |
|                                 |                                 |                                 |                                 |

Otras tapas, consultar / Other flanges, on request

■ **Tabla 3 Table 3**

| Eje tipo · Shaft type ·<br>B | Eje tipo · Shaft type ·<br>C | Eje tipo · Shaft type ·<br>E | Eje tipo · Shaft type ·<br>F |
|------------------------------|------------------------------|------------------------------|------------------------------|
|                              |                              |                              |                              |
| Eje tipo · Shaft type ·<br>J | Eje tipo · Shaft type ·<br>L | Eje tipo · Shaft type ·<br>R |                              |
|                              |                              |                              |                              |

Otros ejes, consultar / Other shafts, on request



**Coding- System**  
Codificación referencias

**1**

**1**

**G**

**2**

**15C**

**3**

**D**

**4**

**E**

**5**

**10**

**6**

**P**

**7**

**R**

**8**

**1**

**TYPE - TIPO**

**1**

Without Pulley/ Sin Polea

**2**

With Pulley/ Con Polea

**5**

Pump with floating shaft & back-up bearing/  
Bomba con eje flotante y cojinete de refuerzo

**2**

**MODEL - MODELO**

**G**

Single – Aluminium body/ Simple – Cuerpo aluminio

**GN**

Single – Cast iron body / Simple – Cuerpo fundición

**GM**

Multiple (G+G) / Múltiple-Múltiple (G+G)

**GNm**

Multiple (GN+GN) / Múltiple-Múltiple (GN+GN)

**GS**

Multiple (G+GO) / Múltiple-Múltiple (G+GO)

**GNS**

Multiple (GN+GO) / Múltiple-Múltiple (GN+GO)

**3**

**PUMP DISPLACEMENT - CUBICAJE BOMBA**

cm<sup>3</sup>/rev

in<sup>3</sup>/rev

**4C**

4,0

0,24

**6C**

6,0

0,37

**8C**

8,0

0,49

**11C**

10,7

0,65

**12C**

12,0

0,73

**15C**

14,7

0,90

**16C**

16,0

0,98

**18C**

18,0

1,10

**21C**

20,7

1,26

**23C**

23,3

1,42

**27C**

26,7

1,62

**4**

**ROTATION DIRECTION - SENTIDO DE GIRO**

**D**

Clockwise / Horario

**I**

Counterclockwise / Antihorario

**R**

Reversible / Reversible

**5**

**DRIVE SHAFT FORM - FORMA EJE MOTRIZ**

**B**

Roquet Tang / Fresado Roquet

**C**

UNE – Ø16 straight/ UNE – Ø16 cilíndrico

**D**

SAE B - 13 teeth/ SAE B - 13 dientes

**E**

European tapered 1:8 / Cónico europeo 1:8

**G**

SAE A - Ø 15,88 straight/ SAE A - Ø15,88 cilíndrico

**H**

German tapered 1:5 / SAE A - Ø15,88 cilíndrico

**J**

SAE - 11 teeth/ SAE - 11 dientes

**K**

SAE - Ø19,05 straight/ SAE - Ø19,05 cilíndrico

**L**

DIN-5482 - 9 teeth / DIN-5482 - 9 dientes

**Q**

Multiple pumps - (SS) / Bombas múltiples- (SS)

**R**

Ø15 straigh/ Ø15 cilíndrico Europeo

**T**

SAE A - 9 teeth / SAE A - 9 dientes

**W**

Tang Ø17,8/ Fresado Ø17,8

**X**

SAE A - 10 teeth/ Fresado Ø17,8

**Z**

Multiple pumps - (CI)/ Bombas múltiples - (CI)

SEE DRAW SHAFT DRIVE IN DETAIL PAGE 2 / VER EJES EN DETALLE PAG 2

**6**

**MOUNTING FLANGE - TIPO DE TAPA**

**09**

SAE A – 2 bolts / SAE A – 2 tornillos

**10**

European standard/Estándar europeo

**19**

German standard – 2 bolts (Without shaft seal)/  
Estándar alemán – 2 tornillos (sin retén)

**22**

German standard – 2 bolts (With shaft seal)/ Estándar  
alemán – 2 tornillos (con retén)

**23**

German standard/ Estándar alemán

**29**

German standard (High pressure) / Estándar almenán  
(alta presión)

**31**

SAE - 11 teeth/ Estándar europeo (para eje tipo B)

**55**

SAE - Ø19,05 straight/ Estándar alemán – 2 tornillos  
(fijación invertida a la 22)

**61**

DIN-5482 - 9 teeth / Estándar alemán – 2 tornillos  
(fijación invertida 19)

**89**

(SS) SAE B – 2 tornillos

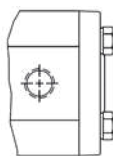
**00**

Multiple pumps

SEE DRAW FLANGE IN DETAIL PAGE 4 / VER PLANOS DE TAPA EN DETALLE PAG 4

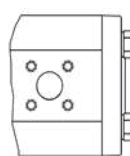
**7**

**PORT CONNECTION - CONEXIÓN TOMAS**



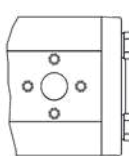
**R**

BSP Thread



**F**

German standard



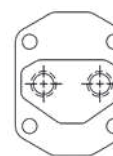
**B**

European standard



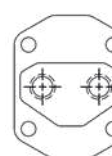
**S**

SAE Thread



**T**

Rear ports - BSP



**U**

Rear ports - SAE

SEE DRAW PORT CONNECTION IN DETAIL PAGE 4 / VER PLANOS EN DETALLE PAG 4

**8**

**PULLEY TYPE - TIPO DE POLEA**

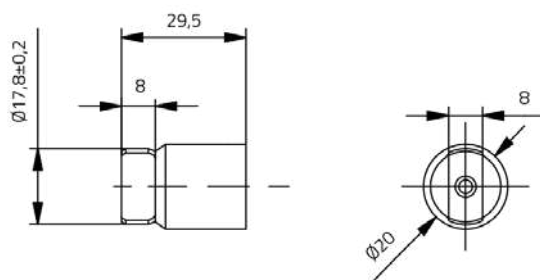
P - R - S - T



### SHAFT FORM B / EJE FORMA B

ROQUET TANG  
FRESADO ROQUET

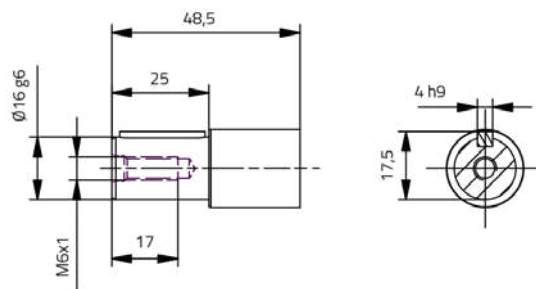
MAX. DRIVING TORQUE 65 NM  
MÁX. PAR DE ARRASTRE 65 NM



### SHAFT FORM C / EJE FORMA C

UNE - Ø16 STRAIGHT  
UNE - Ø16 CILÍNDRICO

MAX. DRIVING TORQUE 55 NM  
MÁX. PAR DE ARRASTRE 55 NM

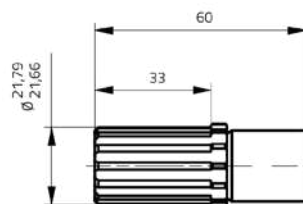


### SHAFT FORM D / EJE FORMA D

SAE B - 13 TEETH  
SAE B - 13 DIENTES

MAX. DRIVING TORQUE 110 NM  
MÁX. PAR DE ARRASTRE 110 NM

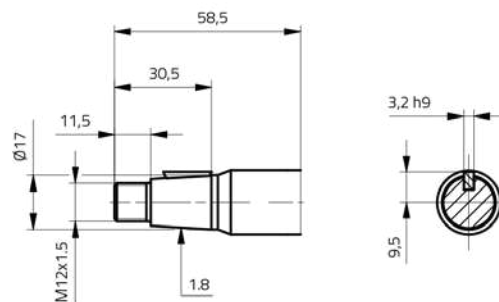
SAE J498B  
PITCH 16/32  
SIDE FIT/ AJUSTE LATERAL  
PRESSURE ANGLE 30 DEG/  
ÁNGULO DE PRESIÓN 30°



### SHAFT FORM E / EJE FORMA E

EUROPEAN TAPERED 1:8  
CÓNICO EUROPEO 1:8

MAX. DRIVING TORQUE 160 NM  
MÁX. PAR DE ARRASTRE 160 NM

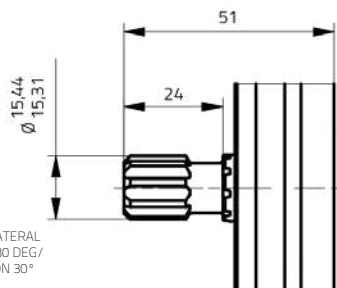


### SHAFT FORM G / EJE FORMA G

SAE B - 9 TEETH  
SAE B - 9 DIENTES

MAX. DRIVING TORQUE 110 NM  
MÁX. PAR DE ARRASTRE 110 NM

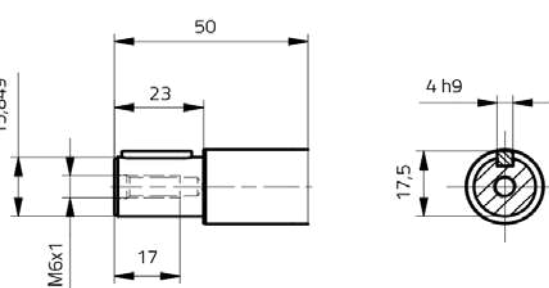
SAE J498B  
PITCH 16/32  
SIDE FIT/ AJUSTE LATERAL  
PRESSURE ANGLE 30 DEG/  
ÁNGULO DE PRESIÓN 30°



### SHAFT FORM H / EJE FORMA H

SAE A - Ø15.88 STRAIGHT  
SAE A - Ø15.88 CILÍNDRICO

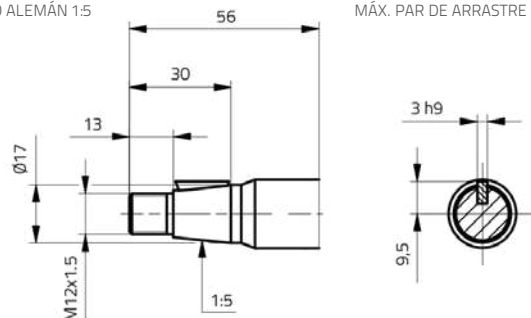
MAX. DRIVING TORQUE 55 NM  
MÁX. PAR DE ARRASTRE 55 NM



### SHAFT FORM J / EJE FORMA J

GERMAN TAPERED 1:5  
CÓNICO ALEMÁN 1:5

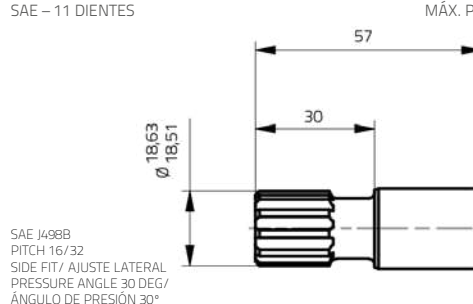
MAX. DRIVING TORQUE 155 NM  
MÁX. PAR DE ARRASTRE 155 NM



### SHAFT FORM K / EJE FORMA K

SAE - 11 TEETH  
SAE - 11 DIENTES

MAX. DRIVING TORQUE 55 NM  
MÁX. PAR DE ARRASTRE 55 NM



SAE J498B  
PITCH 16/32  
SIDE FIT/ AJUSTE LATERAL  
PRESSURE ANGLE 30 DEG/  
ÁNGULO DE PRESIÓN 30°



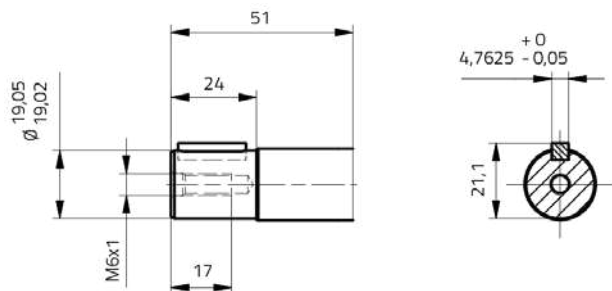
5

DRIVE SHAFT FORM - FORMA EJE MOTRIZ

SHAFT FORM L / EJE FORMA L

SAE - Ø19,05 STRAIGHT  
SAE - Ø19,05 CILÍNDRICO

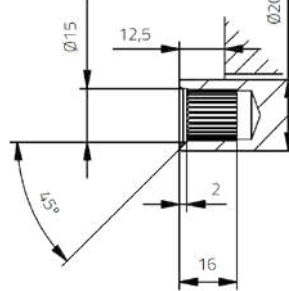
MAX. DRIVING TORQUE 100 Nm  
MÁX. PAR DE ARRASTRE 100 Nm



SHAFT FORM Q / EJE FORMA Q

DIN-5482 - 9 TEETH  
DIN-5482 - 9 DIENTES

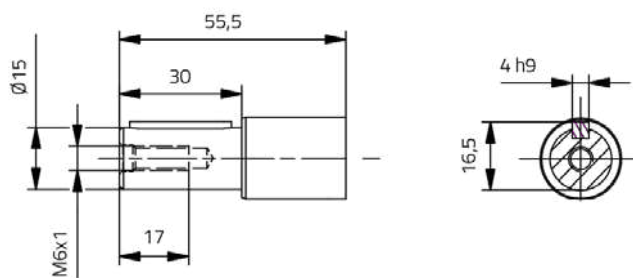
MAX. DRIVING TORQUE 130 Nm  
MÁX. PAR DE ARRASTRE 130 Nm



SHAFT FORM R / EJE FORMA R

Ø15 STRAIGHT  
Ø15 CILÍNDRICO EUROPEO

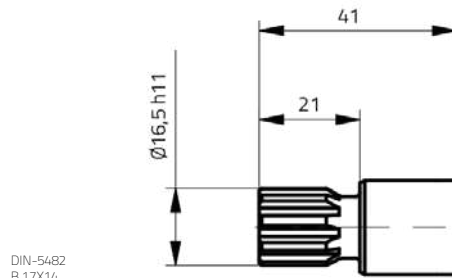
MAX. DRIVING TORQUE 55 Nm  
MÁX. PAR DE ARRASTRE 55 Nm



SHAFT FORM T / EJE FORMA T

DIN-5482 - 9 TEETH  
DIN-5482 - 9 DIENTES

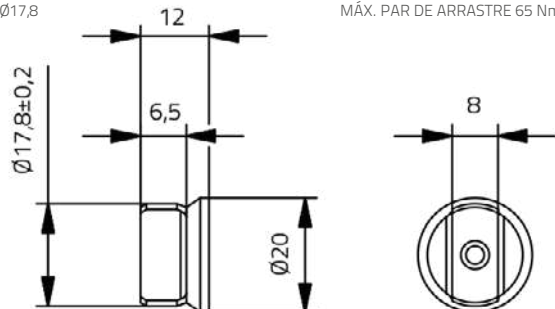
MAX. DRIVING TORQUE 130 Nm  
MÁX. PAR DE ARRASTRE 130 Nm



SHAFT FORM W / EJE FORMA W

TANG Ø17,8  
FRESADO Ø17,8

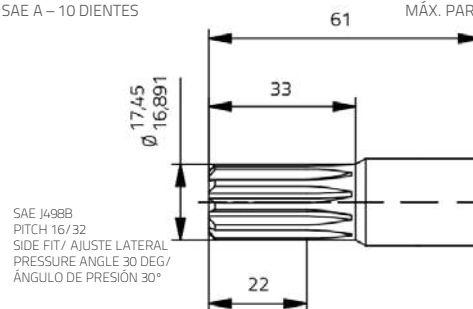
MAX. DRIVING TORQUE 65 Nm  
MÁX. PAR DE ARRASTRE 65 Nm



SHAFT FORM X / EJE FORMA X

SAE A - 10 TEETH  
SAE A - 10 DIENTES

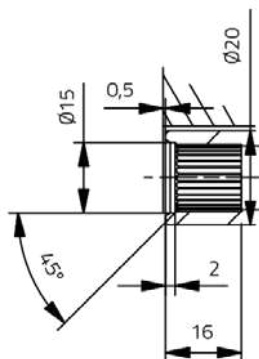
MAX. DRIVING TORQUE 140 Nm  
MÁX. PAR DE ARRASTRE 140 Nm



SHAFT FORM Z / EJE FORMA Z

28 TEETH  
28 DIENTES

MAX. DRIVING TORQUE 100 Nm  
MÁX. PAR DE ARRASTRE 100 Nm



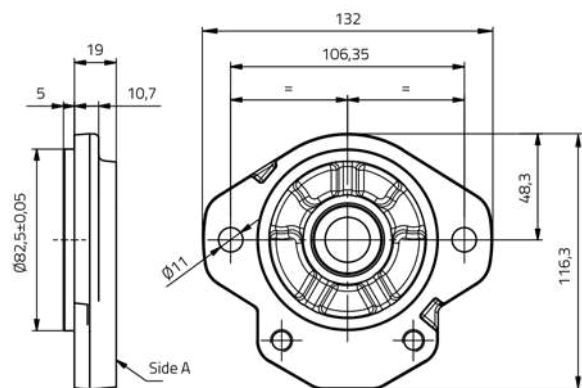


6

FRONT FLANGES - TAPAS FRONTALES

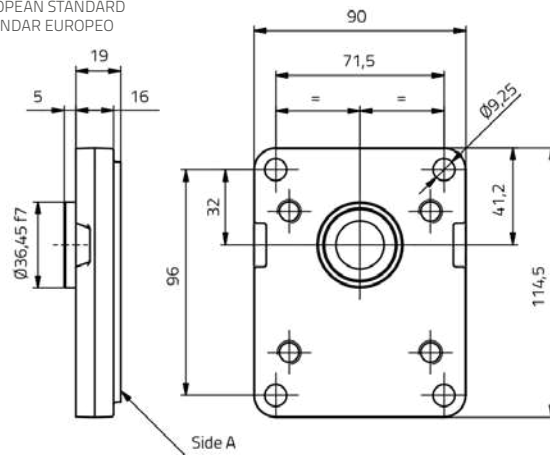
FRONT FLANGE TYPE 09 / TAPA TIPO 09

SAE A - 2 BOLTS  
SAE A - 2 TORNILLOS



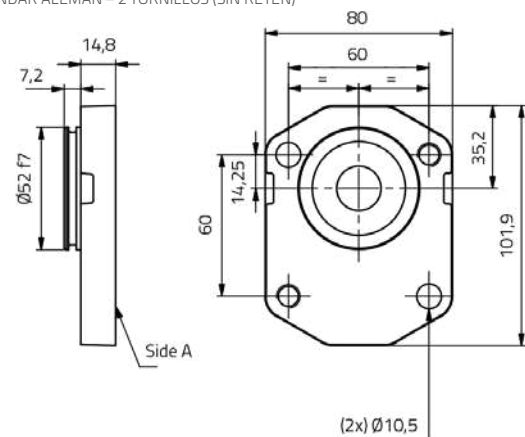
FRONT FLANGE TYPE 10 / TAPA TIPO 10

EUROPEAN STANDARD  
ESTÁNDAR EUROPEO



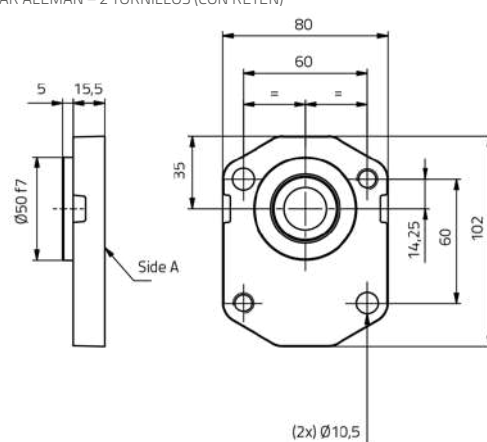
FRONT FLANGE TYPE 19 / TAPA TIPO 19

GERMAN STANDARD - 2 BOLTS (WITHOUT SHAFT SEAL)  
ESTÁNDAR ALEMÁN - 2 TORNILLOS (SIN RETÉN)



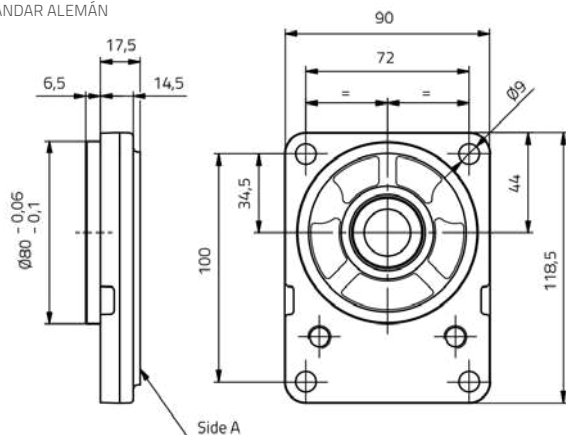
FRONT FLANGE TYPE 22 / TAPA TIPO 22

GERMAN STANDARD - 2 BOLTS (WITH SHAFT SEAL)  
ESTÁNDAR ALEMÁN - 2 TORNILLOS (CON RETÉN)



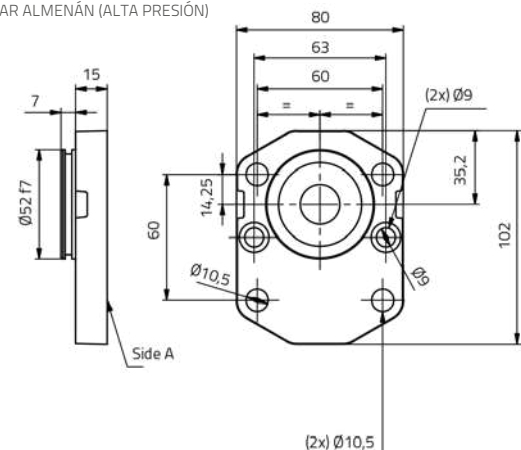
FRONT FLANGE TYPE 23 / TAPA TIPO 23

GERMAN STANDAR  
ESTÁNDAR ALEMÁN



FRONT FLANGE TYPE 29 / TAPA TIPO 29

GERMAN STANDARD (HIGH PRESSURE)  
ESTÁNDAR ALMENÁN (ALTA PRESIÓN)





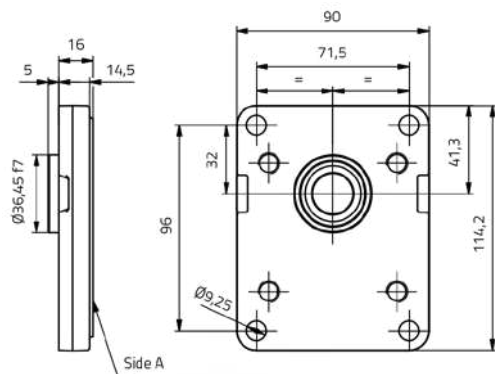


6

FRONT FLANGES - TAPAS FRONTALES

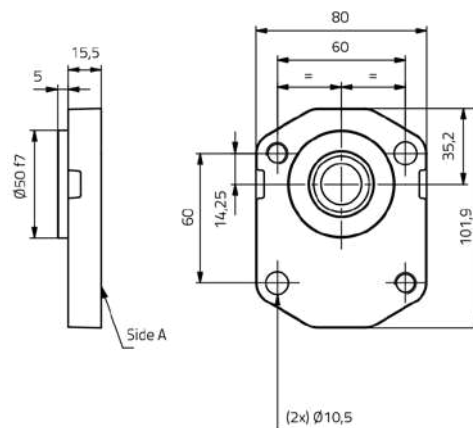
FRONT FLANGE TYPE 31 / TAPA TIPO 31

SAE A - 2 BOLTS  
ESTÁNDAR EUROPEO (PARA EJE TIPO B)



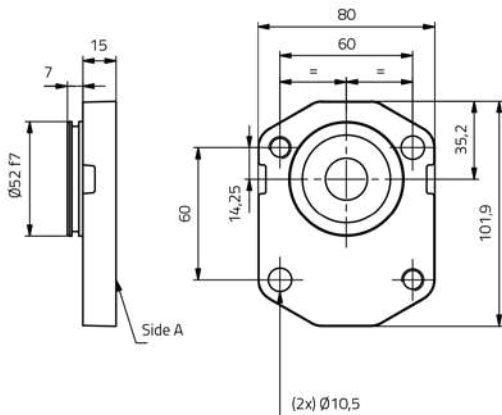
FRONT FLANGE TYPE 55 / TAPA TIPO 55

EUROPEAN STANDARD  
ESTÁNDAR ALEMÁN - 2 TORNILLOS (FIJACIÓN INVERTIDA A LA 22)



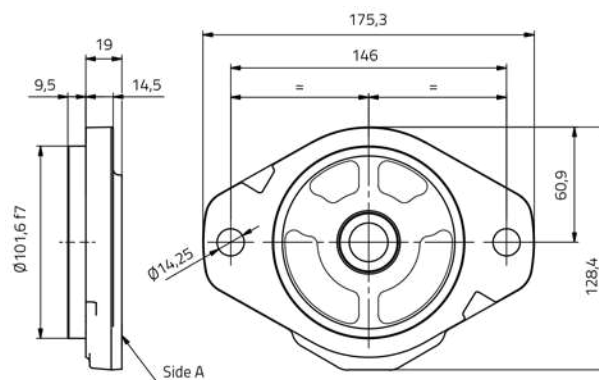
FRONT FLANGE TYPE 61 / TAPA TIPO 61

GERMAN STANDARD - 2 BOLTS (WITHOUT SHAFT SEAL)  
ESTÁNDAR ALEMÁN - 2 TORNILLOS (FIJACIÓN INVERTIDA A LA 19)



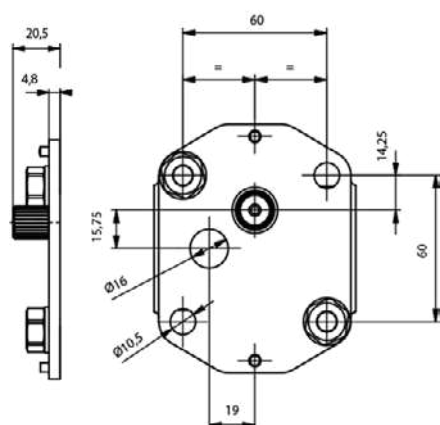
FRONT FLANGE TYPE 89 / TAPA TIPO 89

GERMAN STANDARD - 2 BOLTS (WITH SHAFT SEAL)  
SAE B - 2 TORNILLOS

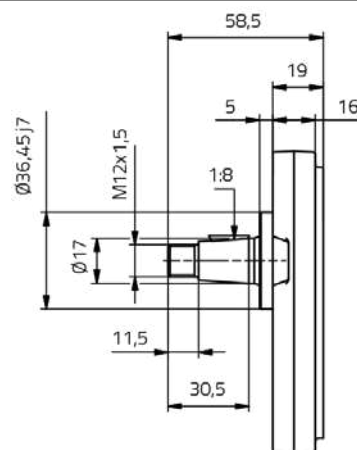


FRONT FLANGE TYPE 00 / TAPA TIPO 00

INCLUDED SPLINED COUPLING (PART. NUMBER KB0800G00G500)  
ACOPLAMIENTO ESTRIADO INCLUIDO (REF. KB0800G00G500)

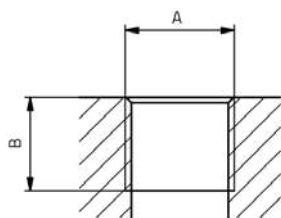


EXAMPLE / EJEMPLO



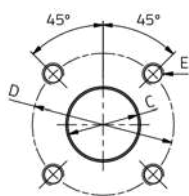
NOTE: THE USEFUL LENGTH OF THE DRIVE SHAFT VARIES DEPENDING ON THE FRONT FLANGE THICKNESS.  
NOTA: LA LONGITUD DEL EJE MOTRIZ VARÍA EN FUNCIÓN DEL GROSOR DE LA TAPA FRONTAL.




**7**
**PORT CONNECTION - CONEXIÓN TOMAS**
**SIDE PORTS / TOMAS LATERALES**


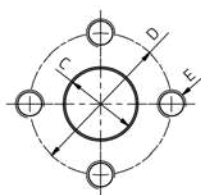
| R PORTS/TOMAS R                     | 1 ROTATION DIRECTION / 1 SENTIDO DE ROTACIÓN |    |                    |    | REVERSIBLE |    |
|-------------------------------------|----------------------------------------------|----|--------------------|----|------------|----|
| DISPLACEMENT/<br>CUBICAJE [cm³/rev] | SUCTION / ASPIRACIÓN                         |    | PRESSURE / PRESIÓN |    |            |    |
|                                     | A                                            | B  | A                  | B  | A          | B  |
| 4                                   | 3/8" BSP                                     | 15 | 3/8" BSP           | 15 | 3/8" BSP   | 15 |
| 6 ... 14,7                          | 1/2" BSP                                     | 18 | 3/8" BSP           | 15 | 1/2" BSP   | 18 |
| 16 ... 26,7                         | 3/4" BSP                                     | 17 | 1/2" BSP           | 18 | 3/4" BSP   | 17 |

Dimensions according to ISO 1179-1 (Parallel threads) / Dimensiones según ISO 1179-1 (Roscas cilíndricas)



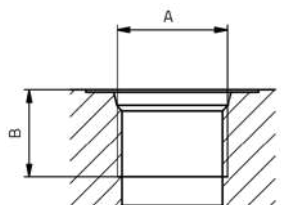
| R PORTS/TOMAS R                     | 1 ROTATION DIRECTION / 1 SENTIDO DE ROTACIÓN |    |    |                   |    |    | REVERSIBLE |    |    |
|-------------------------------------|----------------------------------------------|----|----|-------------------|----|----|------------|----|----|
| DISPLACEMENT/<br>CUBICAJE [cm³/rev] | SUCTION /ASPIRACIÓN                          |    |    | PRESSURE /PRESIÓN |    |    |            |    |    |
|                                     | C                                            | D  | E  | C                 | D  | E  | C          | D  | E  |
| 4 ... 6                             | 15                                           | 40 | M6 | 15                | 35 | M6 | 20         | 40 | M6 |
| 8 ... 26,7                          | 20                                           | 40 | M6 | 15                | 35 | M6 | 20         | 40 | M6 |

Flanged ports - German standard / Tomas con brida - Estándar alemán



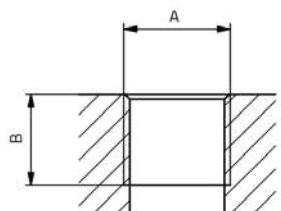
| B PORTS/TOMAS B                     | 1 ROTATION DIRECTION / 1 SENTIDO DE ROTACIÓN |    |    |                    |    |    | REVERSIBLE |    |    |
|-------------------------------------|----------------------------------------------|----|----|--------------------|----|----|------------|----|----|
| DISPLACEMENT/<br>CUBICAJE [cm³/rev] | SUCTION / ASPIRACIÓN                         |    |    | PRESSURE / PRESIÓN |    |    |            |    |    |
|                                     | C                                            | D  | E  | C                  | D  | E  | C          | D  | E  |
| 4 ... 6                             | 13,5                                         | 30 | M6 | 13,5               | 30 | M6 | 13,5       | 30 | M6 |
| 8 ... 12                            | 20                                           | 40 | M8 | 15                 | 30 | M6 | 15         | 30 | M6 |
| 15 ... 26,7                         | 20                                           | 40 | M8 | 15                 | 30 | M6 | 20         | 40 | M8 |

Flanged ports - European standard / Tomas con brida - Estándar europeo



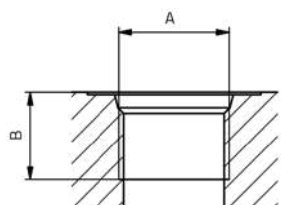
| B PORTS/TOMAS B                     | 1 ROTATION DIRECTION / 1 SENTIDO DE ROTACIÓN |    |                   |    | REVERSIBLE  |    |
|-------------------------------------|----------------------------------------------|----|-------------------|----|-------------|----|
| DISPLACEMENT/<br>CUBICAJE [cm³/rev] | SUCTION /ASPIRACIÓN                          |    | PRESSURE /PRESIÓN |    |             |    |
|                                     | A                                            | B  | A                 | B  | A           | B  |
| 4 ... 26,7                          | 1" 1/16-12 UNF                               | M8 | 7/8"-14 UNF       | M6 | 7/8"-14 UNF | M8 |

Dimensions according to ISO 11926-1 (Parallel threads) / Dimensiones según ISO 11926-1 (Roscas cilíndricas)

**REAR PORTS / TOMAS POSTERIORES**


| B PORTS/TOMAS B                     | 1 ROTATION DIRECTION / 1 SENTIDO DE ROTACIÓN |    |                   |    | REVERSIBLE |    |
|-------------------------------------|----------------------------------------------|----|-------------------|----|------------|----|
| DISPLACEMENT/<br>CUBICAJE [cm³/rev] | SUCTION /ASPIRACIÓN                          |    | PRESSURE /PRESIÓN |    |            |    |
|                                     | A                                            | B  | A                 | B  | A          | B  |
| 4 ... 26,7                          | 1/2" BSP                                     | 15 | 1/2" BSP          | 15 | 1/4" G     | 14 |

Dimensions according to ISO 1179-1 (Parallel threads) / Dimensiones según ISO 1179-1 (Roscas cilíndricas)



| U PORTS/TOMAS B                     | 1 ROTATION DIRECTION / 1 SENTIDO DE ROTACIÓN |    |                   |    | REVERSIBLE   |    |
|-------------------------------------|----------------------------------------------|----|-------------------|----|--------------|----|
| DISPLACEMENT/<br>CUBICAJE [cm³/rev] | SUCTION /ASPIRACIÓN                          |    | PRESSURE /PRESIÓN |    |              |    |
|                                     | A                                            | B  | A                 | B  | A            | B  |
| 4 ... 26,7                          | 1" 1/16-12 UNF                               | 19 | 7/8"-14 UNF       | 17 | 9/16"-18 UNF | 14 |

Dimensions according to ISO 11926-1 (Parallel threads) / Dimensiones según ISO 11926-1 (Roscas cilíndricas)



## BOMBAS DE GR III - MODO DE REFERENCIACIÓN

### GR III PUMPS - PART N<sup>o</sup>

#### Nomenclatura referencias Part No.

|                                                                                  |                                                   |                                                                                     |     |    |   |   |    |   |
|----------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------|-----|----|---|---|----|---|
| ■ Nomenclatura referencias<br>Part No.                                           |                                                   | 1                                                                                   | PLA | 36 | D | B | 19 | F |
| Tipo<br>Type                                                                     |                                                   | Forma conexión tomas<br>Side port connection form                                   |     |    |   |   |    |   |
| 1                                                                                | Sin polea / Without pulley                        |   |     |    |   |   |    |   |
| 2                                                                                | Con polea / With pulley                           |  |     |    |   |   |    |   |
| Bomba con eje estriado para montaje en ZF / Shaft section for mounting onto ZF / |                                                   |  |     |    |   |   |    |   |
|                                                                                  |                                                   |  |     |    |   |   |    |   |
| Modelo<br>Model                                                                  |                                                   | Tipo de bridas<br>Fixing flange                                                     |     |    |   |   |    |   |
| PLA                                                                              | Simple / Single GRIII.                            | 01 - 09 - 10 - 19 - 23                                                              |     |    |   |   |    |   |
| PLL                                                                              | Múltiple / Multiple-banked / PLA-PLA GRIII+GRIII. | Ver tabla 2 / See table 2                                                           |     |    |   |   |    |   |
| PLD                                                                              | Múltiple / Multiple-banked PLA+L GRIII+GRII.      | Forma eje motriz<br>Driving shaft form                                              |     |    |   |   |    |   |
| PLT                                                                              | Múltiple / Multiple-banked PLA+LO GRIII+GRI.      |                                                                                     |     |    |   |   |    |   |
| Caudal bomba<br>Pump flow rate                                                   |                                                   | A 1500 rpm A 0 bar                                                                  |     |    |   |   |    |   |
| Modelo<br>Model                                                                  |                                                   | Tipo de polea<br>Pulley type                                                        |     |    |   |   |    |   |
| 36                                                                               |                                                   | P - S - T                                                                           |     |    |   |   |    |   |
| 45                                                                               |                                                   |                                                                                     |     |    |   |   |    |   |
| 54                                                                               |                                                   |                                                                                     |     |    |   |   |    |   |
| 66                                                                               |                                                   |                                                                                     |     |    |   |   |    |   |
| 84                                                                               |                                                   |                                                                                     |     |    |   |   |    |   |
| Sentido de giro<br>Rotation sense                                                |                                                   |                                                                                     |     |    |   |   |    |   |
| D                                                                                | Derecha / Clockwise                               |                                                                                     |     |    |   |   |    |   |
| I                                                                                | Izquierda / Counterclockwise                      |                                                                                     |     |    |   |   |    |   |
| R                                                                                | Reversible / Reversible                           |                                                                                     |     |    |   |   |    |   |



## BOMBAS GR III- BOMBA PLA

### GR III PUMPS - PLA PUMPS

Tabla 2 Table 2

| Tapa tipo · Flange type ·<br>01 | Tapa tipo · Flange type ·<br>09 | Tapa tipo · Flange type ·<br>10 |
|---------------------------------|---------------------------------|---------------------------------|
|                                 |                                 |                                 |
| Tapa tipo · Flange type ·<br>23 | Tapa tipo · Flange type ·<br>50 |                                 |
|                                 |                                 |                                 |

Otras tapas, consultar / Other flanges, on request



## BOMBAS GR III- BOMBA PLA

### GR III PUMPS - PLA PUMPS

**Tabla 3 Table 3**

| Eje tipo · Shaft type ·<br><b>A</b>                            | Eje tipo · Shaft type ·<br><b>B</b>                                                                    | Eje tipo · Shaft type ·<br><b>C</b>                                         | Eje tipo · Shaft type ·<br><b>D</b>               |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------|
|                                                                |                                                                                                        |                                                                             |                                                   |
| Eje tipo · Shaft type ·<br><b>E</b>                            | Eje tipo · Shaft type ·<br><b>F</b>                                                                    | Eje tipo · Shaft type ·<br><b>G</b>                                         | Eje tipo · Shaft type ·<br><b>H</b>               |
|                                                                | <br>ANSI B92.1 CLASE 5<br>Ajuste lateral<br>Ø Pith = 16/32<br>No. dientes = 15<br>Angulo presión = 30° | <br>SAE J498b<br>Ø Pith = 16/32<br>No. dientes = 13<br>Angulo presión = 30° |                                                   |
| Eje tipo · Shaft type ·<br><b>J</b>                            | Eje tipo · Shaft type ·<br><b>K</b>                                                                    | Eje tipo · Shaft type ·<br><b>L</b>                                         | Eje tipo · Shaft type ·<br><b>T</b>               |
|                                                                | <br>SAE J498b<br>Ø Pith = 16/32<br>No. dientes = 13<br>Angulo presión = 30°                            |                                                                             | <br>DIN-5482 (e9)<br>Ø 28x25<br>No. de dientes 15 |
| Eje tipo · Shaft type · Arbre type<br><b>V</b>                 | Eje tipo · Shaft type · Arbre type<br><b>W</b>                                                         |                                                                             |                                                   |
| <br>Eje DIN-5463<br>Flancos rectos<br>6x21x25<br>No. nervios 6 |                                                                                                        |                                                                             |                                                   |

## GR.I BOMBAS SIMPLES

Gr.I Single pumps  
Gr.I Pompes simples  
Gr. I Pompe singole



### Gr.I Bomba engranaje/Tapa 10/Eje tipo E/Bridas R

Gr.I Gear pump/10 flange/E type shaft/Side ports type R

Gr.I Pompe engrénage/Flasque 10/Arbre type E/Asp.et Ref. type R

Gr. I Pompa ingranaggi/Flangia 10/Albero tipo E/Attacchi R

| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION<br>Ø ASPIRACIÓN | Ø PRESSURE<br>Ø PRESIÓN | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-------------------------------|--------------------------------|------------------------------|-------------------------|-------------------------------------------|---|
| 1L01.5DE10R                   | 1L01.5IE10R                    | 3/8" BSP                     | 1/4" BSP                | 275                                       | - |
| 1L03DE10R                     | 1L03IE10R                      | 3/8" BSP                     | 1/4" BSP                | 275                                       | - |
| 1L05DE10R                     | 1L05IE10R                      | 3/8" BSP                     | 1/4" BSP                | 240                                       | - |
| 1L07.5DE10R                   | 1L07.5IE10R                    | 1/2" BSP                     | 3/8" BSP                | 185                                       | - |
| 1L010DE10R                    | 1L010IE10R                     | 1/2" BSP                     | 3/8" BSP                | 135                                       | - |



### Gr.I Bomba engranaje/Tapa 10/Eje tipo E/Bridas F

Gr.I Gear pump/10 flange/E type shaft/Side ports type F

Gr.I Pompe engrénage/Flasque.10/Arbre type E/Asp.et Ref. type F

Gr. I Pompa ingranaggi/Flangia 10/Albero tipo E/Attacchi F

| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACIÓN (mm) | Ø PRESSURE (mm)<br>Ø PRESIÓN (mm) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|-------------------------------------------|---|
| 1L03DE10F                     | 1L03IE10F                      | 30                                     | 30                                | 275                                       | - |
| 1L05DE10F                     | 1L05IE10F                      | 30                                     | 30                                | 240                                       | - |
| 1L07.5DE10F                   | 1L07.5IE10F                    | 30                                     | 30                                | 185                                       | - |
| 1L010DE10F                    | 1L010IE10F                     | 30                                     | 30                                | 135                                       | - |

\*Consultar / On request/ Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## GR.II BOMBAS SIMPLES

Gr.II Single pumps  
Gr.II Pompes simples  
Gr. II Pompe singole



### Gr.II Bomba engranaje/Tapa 31/Eje tipo C/Bridas R

Gr.II Gear pump/31 flange/C type shaft/ Side ports type R

Gr.II Pompe engrenage/ Flange 31/Arbre type C/Asp.et Ref. type R

Gr. II Pompa Ingranaggi/Flangia 31/Albero tipo C/Attacchi R

|     | Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION<br>Ø ASPIRACIÓN | Ø PRESSURE<br>Ø PRESIÓN | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----|-------------------------------|--------------------------------|------------------------------|-------------------------|-------------------------------------------|---|
|     | 1L9DC31R                      | 1L9IC31R                       | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G6CDC31R                     | 1G6CIC31R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G8CDC31R                     | 1G8CIC31R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G11CDC31R                    | 1G11CIC31R                     | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G15CDC31R                    | 1G15CIC31R                     | 1/2" BSP                     | 3/8" BSP                | 250                                       | - |
| NEW | 1G18CDC31R                    | 1G18CIC31R                     | 3/4" BSP                     | 1/2" BSP                | 225                                       | - |
| NEW | 1G23CDC31R                    | 1G23CIC31R                     | 3/4" BSP                     | 1/2" BSP                | 200                                       | - |

Referencias 1L... hasta fin de existencias / Part numbers 1L... until end of stock / Références 1L... jusqu'à la fin du stock / Codici 1L... fino ad esaurimento



### Gr.II Bomba engranaje/Tapa 09/Eje tipo G/Bridas R

Gr.II/ Gear pump/09 flange/G type shaft/Side ports type R

Gr.II Pompe engrenage/ Flange 09/Arbre type G/Asp.et Ref. type R

Gr. II Pompa Ingranaggi/Flangia 09/Albero tipo G/Attacchi R

|     | Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION<br>Ø ASPIRACIÓN | Ø PRESSURE<br>Ø PRESIÓN | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----|-------------------------------|--------------------------------|------------------------------|-------------------------|-------------------------------------------|---|
|     | 1L9DG09R                      | 1L9IG09R                       | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
|     | 1L12DG09R                     | 1L12IG09R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
|     | 1L16DG09R                     | 1L16IG09R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G6CDG09R                     | 1G6CIG09R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G8CDG09R                     | 1G8CIG09R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G11CDG09R                    | 1G11CIG09R                     | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G15CDG09R                    | 1G15CIG09R                     | 1/2" BSP                     | 3/8" BSP                | 250                                       | - |
| NEW | 1G18CDG09R                    | 1G18CIG09R                     | 3/4" BSP                     | 1/2" BSP                | 225                                       | - |
| NEW | 1G23CDG09R                    | 1G23CIG09R                     | 3/4" BSP                     | 1/2" BSP                | 200                                       | - |

Referencias 1L... hasta fin de existencias / Part numbers 1L... until end of stock / Références 1L... jusqu'à la fin du stock / Codici 1L... fino ad esaurimento



### Gr.II Bomba engranaje/Tapa 10/Eje tipo E/Bridas R

Gr.II Gear pump/10 flange/E type shaft/Side ports type R

Gr.II Pompe engrenage/ Flange 10/Arbre type E/ Asp.et Ref. type R

Gr. II Pompa Ingranaggi/Flangia 10/Albero tipo E/Attacchi R

|     | Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION<br>Ø ASPIRACIÓN | Ø PRESSURE<br>Ø PRESIÓN | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----|-------------------------------|--------------------------------|------------------------------|-------------------------|-------------------------------------------|---|
|     | 1L9DE10R                      | 1L9IE10R                       | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
|     | 1L12DE10R                     | 1L12IE10R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
|     | 1L35DE10R                     | 1L35IE10R                      | 3/4" BSP                     | 1/2" BSP                | 175                                       | - |
| NEW | 1G4CDE10R                     | 1G4CIE10R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G6CDE10R                     | 1G6CIE10R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G8CDE10R                     | 1G8CIE10R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G11CDE10R                    | 1G11CIE10R                     | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G15CDE10R                    | 1G15CIE10R                     | 1/2" BSP                     | 3/8" BSP                | 250                                       | - |
| NEW | 1G18CDE10R                    | 1G18CIE10R                     | 3/4" BSP                     | 1/2" BSP                | 225                                       | - |
| NEW | 1G23CDE10R                    | 1G23CIE10R                     | 3/4" BSP                     | 1/2" BSP                | 200                                       | - |

Referencias 1L... hasta fin de existencias / Part numbers 1L... until end of stock / Références 1L... jusqu'à la fin du stock / Codici 1L... fino ad esaurimento

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## GR.II BOMBAS SIMPLES

Gr.II Single pumps  
Gr.II Pompes simples  
Gr. II Pompe singole



### Gr.II Bomba engranaje/Tapa 10/Eje tipo T/Bridas R

Gr.II Gear pump/10 flange/T type shaft/Side ports type R

Gr.II Pompe engrènement/ flasque 10/Arbre type T/ Asp.et Ref. R

Gr. II Pompa Ingranaggi/Flangia 10/Albero tipo T/Attacchi R

|     | Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION<br>Ø ASPIRACION | Ø PRESSURE<br>Ø PRESION | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----|-------------------------------|--------------------------------|------------------------------|-------------------------|-------------------------------------------|---|
|     | 1L27DT10R                     | 1L27IT10R                      | 3/4" BSP                     | 1/2" BSP                | 225                                       | - |
| NEW | 1G6CDT10R                     | 1G6CIT10R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G8CDT10R                     | 1G8CIT10R                      | 1/2" BSP                     | 3/8" BSP                | 275                                       | - |
| NEW | 1G15CDT10R                    | 1G15CIT10R                     | 1/2" BSP                     | 3/8" BSP                | 250                                       | - |
| NEW | 1G18CDT10R                    | 1G18CIT10R                     | 3/4" BSP                     | 1/2" BSP                | 225                                       | - |
| NEW | 1G23CDT10R                    | 1G23CIT10R                     | 3/4" BSP                     | 1/2" BSP                | 200                                       | - |

Referencias 1L... hasta fin de existencias / Part numbers 1L... until end of stock / Références 1L... jusqu'à la fin du stock / Codici 1L... fino ad esaurimento



### Gr.II Bomba engranaje/Tapa 23/Eje tipo J/Bridas F

Gr.II Gear pump/ 23 flange/J type shaft/ Side ports type F

Gr.II Pompe engrènement/ flasque 23/Arbre type J/ Asp. et Ref. type F

Gr. II Pompa Ingranaggi/Flangia 23/Albero tipo J/Attacchi F

|     | Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACION (mm) | Ø PRESSURE (mm)<br>Ø PRESION (mm) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|-------------------------------------------|---|
|     | 1L9DJ23F                      | 1L9IJ23F                       | 40                                     | 35                                | 275                                       | - |
|     | 1L12DJ23F                     | 1L12IJ23F                      | 40                                     | 35                                | 275                                       | - |
| NEW | 1G4CDJ23F                     | 1G4CIJ23F                      | 40                                     | 35                                | 275                                       | - |
| NEW | 1G6CDJ23F                     | 1G6CIJ23F                      | 40                                     | 35                                | 275                                       | - |
| NEW | 1G8CDJ23F                     | 1G8CIJ23F                      | 40                                     | 35                                | 275                                       | - |
| NEW | 1G11CDJ23F                    | 1G11CIJ23F                     | 40                                     | 35                                | 275                                       | - |
| NEW | 1G15CDJ23F                    | 1G15CIJ23F                     | 40                                     | 35                                | 250                                       | - |
| NEW | 1G18CDJ23F                    | 1G18CIJ23F                     | 40                                     | 35                                | 225                                       | - |
| NEW | 1G23CDJ23F                    | 1G23CIJ23F                     | 40                                     | 35                                | 200                                       | - |

Referencias 1L... hasta fin de existencias / Part numbers 1L... until end of stock / Références 1L... jusqu'à la fin du stock / Codici 1L... fino ad esaurimento



### Gr.II Bomba engranaje/Tapa 22/Eje tipo J/Bridas F

Gr.II Gear pump/ 22 flange/J type shaft/ Side ports type F

Gr.II Pompe engrènement/ flasque 22/Arbre type J/ Asp. et Ref. type F

Gr. II Pompa Ingranaggi/Flangia 22/Albero tipo J/Attacchi F

|     | Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACION (mm) | Ø PRESSURE (mm)<br>Ø PRESION (mm) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|-------------------------------------------|---|
|     | 1L9DJ22F                      | 1L9IJ22F                       | 40                                     | 35                                | 275                                       | - |
|     | 1L12DJ22F                     | 1L12IJ22F                      | 40                                     | 35                                | 275                                       | - |
|     | 1L16DJ22F                     | 1L16IJ22F                      | 40                                     | 35                                | 275                                       | * |
|     | 1L27DJ22F                     | 1L27IJ22F                      | 40                                     | 35                                | 225                                       | - |
| NEW | 1G4CDJ22F                     | 1G4CIJ22F                      | 40                                     | 35                                | 275                                       | - |
| NEW | 1G6CDJ22F                     | 1G6CIJ22F                      | 40                                     | 35                                | 275                                       | - |
| NEW | 1G8CDJ22F                     | 1G8CIJ22F                      | 40                                     | 35                                | 275                                       | - |
| NEW | 1G11CDJ22F                    | 1G11CIJ22F                     | 40                                     | 35                                | 275                                       | - |
| NEW | 1G15CDJ22F                    | 1G15CIJ22F                     | 40                                     | 35                                | 250                                       | - |
| NEW | 1G18CDJ22F                    | 1G18CIJ22F                     | 40                                     | 35                                | 225                                       | - |
| NEW | 1G23CDJ22F                    | 1G23CIJ22F                     | 40                                     | 35                                | 200                                       | - |

Referencias 1L... hasta fin de existencias / Part numbers 1L... until end of stock / Références 1L... jusqu'à la fin du stock / Codici 1L... fino ad esaurimento

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## GR.II BOMBAS SIMPLES

Gr.II Single pumps  
Gr.II Pompes simples  
Gr. II Pompe singole



### Gr.II Bomba engranaje/Tapa 09/Eje tipo G/Bridas B

Gr.II Gear pump/ 09 flange/G type shaft/ Side ports type B

Gr.II Pompe engrénage/ flasque 09/Arbre type G/ Asp. et Ref type B

Gr. II Pompa Ingranaggi/Flangia 09/Albero tipo G/Attacchi B

|     | Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACIÓN (mm) | Ø PRESSURE (mm)<br>Ø PRESIÓN (mm) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|-------------------------------------------|---|
|     | 1L9DG09B                      | 1L9IG09B                       | 30                                     | 30                                | 275                                       | - |
|     | 1L12DG09B                     | 1L12IG09B                      | 40                                     | 30                                | 275                                       | - |
|     | 1L16DG09B                     | 1L16IG09B                      | 40                                     | 30                                | 275                                       | - |
|     | 1L22DG09B                     | 1L22IG09B                      | 40                                     | 30                                | 250                                       | - |
|     | 1L35DG09B                     | 1L35IG09B                      | 40                                     | 30                                | 175                                       | - |
| NEW | 1G6CDG09B                     | 1G6CIG09B                      | 30                                     | 30                                | 275                                       | - |
| NEW | 1G8CDG09B                     | 1G8CIG09B                      | 40                                     | 30                                | 275                                       | - |
| NEW | 1G11CDG09B                    | 1G11CIG09B                     | 40                                     | 30                                | 275                                       | - |
| NEW | 1G15CDG09B                    | 1G15CIG09B                     | 40                                     | 30                                | 250                                       | - |
| NEW | 1G18CDG09B                    | 1G18CIG09B                     | 40                                     | 30                                | 225                                       | - |

Referencias 1L... hasta fin de existencias / Part numbers 1L... until end of stock / Références 1L... jusqu'à la fin du stock / Codici 1L... fino ad esaurimento



### Gr.II Bomba engranaje/Tapa 10/Eje tipo E/Bridas B

Gr.II Gear pump/ 10 flange/E type shaft/Side ports type B

Gr.II Pompe engrénage/ flasque 10/Arbre type E/ Asp. et Ref type B

Gr. II Pompa Ingranaggi/Flangia 10/Albero tipo E/Attacchi B

|     | Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACIÓN (mm) | Ø PRESSURE (mm)<br>Ø PRESIÓN (mm) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|-------------------------------------------|---|
|     | 1L9DE10B                      | 1L9IE10B                       | 30                                     | 30                                | 275                                       | - |
|     | 1L12DE10B                     | 1L12IE10B                      | 40                                     | 30                                | 275                                       | - |
|     | 1L35DE10B                     | 1L35IE10B                      | 40                                     | 30                                | 175                                       | - |
| NEW | 1G4CDE10B                     | 1G4CIE10B                      | 30                                     | 30                                | 275                                       | - |
| NEW | 1G6CDE10B                     | 1G6CIE10B                      | 30                                     | 30                                | 275                                       | - |
| NEW | 1G8CDE10B                     | 1G8CIE10B                      | 40                                     | 30                                | 275                                       | - |
| NEW | 1G11CDE10B                    | 1G11CIE10B                     | 40                                     | 30                                | 275                                       | - |
| NEW | 1G15CDE10B                    | 1G15CIE10B                     | 40                                     | 30                                | 250                                       | - |
| NEW | 1G18CDE10B                    | 1G18CIE10B                     | 40                                     | 30                                | 225                                       | - |
| NEW | 1G23CDE10B                    | 1G23CIE10B                     | 40                                     | 30                                | 200                                       | - |

Referencias 1L... hasta fin de existencias / Part numbers 1L... until end of stock / Références 1L... jusqu'à la fin du stock / Codici 1L... fino ad esaurimento



### Gr.II Bomba engranaje/Tapa 10/Eje tipo T/Bridas B

Gr.II Gear pump/ 10 flange/T type shaft/Side ports type B

Gr.II Pompe engrénage/ flasque 10/Arbre type T/ Asp. et Ref type B

Gr. II Pompa Ingranaggi/Flangia 10/Albero tipo T/Attacchi B

|     | Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACIÓN (mm) | Ø PRESSURE (mm)<br>Ø PRESIÓN (mm) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|-------------------------------------------|---|
|     | 1L12DT10B                     | 1L12IT10B                      | 40                                     | 30                                | 275                                       | - |
|     | 1L22DT10B                     | 1L22IT10B                      | 40                                     | 30                                | 250                                       | - |
|     | 1L35DT10B                     | 1L35IT10B                      | 40                                     | 30                                | 175                                       | - |
| NEW | 1G8CDT10B                     | 1G8CIT10B                      | 40                                     | 30                                | 275                                       | - |
| NEW | 1G11CDT10B                    | 1G11CIT10B                     | 40                                     | 30                                | 275                                       | - |
| NEW | 1G15CDT10B                    | 1G15CIT10B                     | 40                                     | 30                                | 250                                       | - |
| NEW | 1G18CDT10B                    | 1G18CIT10B                     | 40                                     | 30                                | 225                                       | - |
| NEW | 1G23CDT10B                    | 1G23CIT10B                     | 40                                     | 30                                | 200                                       | - |

Referencias 1L... hasta fin de existencias / Part numbers 1L... until end of stock / Références 1L... jusqu'à la fin du stock / Codici 1L... fino ad esaurimento

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

# BOMBAS MÚLTIPLES GR.II + GR.II

Gr.II + Gr.II multiple pumps  
Pompes multiples Gr.II + Gr.II  
Pompe multiple Gr.II + Gr.II



## Bomba múltiple Gr.II+Gr.II /Tapa 22/Eje J

Gr.II + Gr.II multiple pump/Flange 22/Shaft J  
Pompe multiple Gr.II + Gr.II /Flasque 22/Arbre J  
Pompa multipla Gr.II+Gr.II/Flangia 22/Albero J

|     | Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION | € |
|-----|-----------------------|----------------------------|---|
|     | 1LM24-24IJ22F         | 24+24 (l/min)              | - |
|     | 1LM27-9IJ22F          | 27+9 (l/min)               | - |
|     | 1LM27-27IJ22F         | 27+27(l/min)               | - |
| NEW | 1GM11C-11CIJ22F       | 11+11 cm <sup>3</sup>      | - |
| NEW | 1GM15C-11CIJ22F       | 15+11 cm <sup>3</sup>      | - |
| NEW | 1GM16C-16CIJ22F       | 16+16 cm <sup>3</sup>      | - |
| NEW | 1GM18C-6CIJ22F        | 18+6 cm <sup>3</sup>       | - |
| NEW | 1GM18C-11CIJ22F       | 18+11 cm <sup>3</sup>      | - |
| NEW | 1GM18C-18CIJ22F       | 18+18 cm <sup>3</sup>      | - |
| NEW | 1GM23C-23CIJ22F       | 23+23 cm <sup>3</sup>      | - |

Referencias 1LM... hasta fin de existencias. Consultar disponibilidad para otros caudales. / Part numbers 1LM... until end of stock. Consult us availability for other flows. / Références 1LM... jusqu'à la fin du stock. Pour d'autres débits, consultez disponibilité. / Codici 1LM...fino ad esaurimento. Consultare la disponibilità per altre portate.



## Bomba múltiple Gr.II+Gr.II /Tapa 23/Eje J

Gr.II + Gr.II multiple pump/Flange 23/Shaft J  
Pompe multiple Gr.II + Gr.II /Flasque 23/Arbre J  
Pompa multipla Gr.II+Gr.II/Flangia 23/Albero J

|     | Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION | € |
|-----|-----------------------|----------------------------|---|
|     | 1LM12-12DJ23F         | 12+12 (l/min)              | - |
| NEW | 1GM8C-8CDJ23F         | 8+8 cm <sup>3</sup>        | - |
| NEW | 1GM11C-11CDJ23F       | 11+11 cm <sup>3</sup>      | - |
| NEW | 1GM15C-8CDJ23F        | 15+8 cm <sup>3</sup>       | - |
| NEW | 1GM15C-15C-6CDJ23F    | 15+15+6 cm <sup>3</sup>    | - |
| NEW | 1GM18C-11CDJ23F       | 18+11 cm <sup>3</sup>      | - |
| NEW | 1GM18C-18C-15CDJ23F   | 18+18+15 cm <sup>3</sup>   | - |
| NEW | 1GM23C-23CDJ23F       | 23+23 cm <sup>3</sup>      | - |

Referencias 1LM... hasta fin de existencias. Consultar disponibilidad para otros caudales. / Part numbers 1LM... until end of stock. Consult us availability for other flows. / Références 1LM... jusqu'à la fin du stock. Pour d'autres débits, consultez disponibilité. / Codici 1LM...fino ad esaurimento. Consultare la disponibilità per altre portate.



## Bomba múltiple Gr.II+Gr.II /Tapa 09/Eje G

Gr.II + Gr.II multiple pump/Flange 09/Shaft G  
Pompe multiple Gr.II + Gr.II /Flasque 09/Arbre G  
Pompa multipla Gr.II+Gr.II/Flangia 09/Albero G

|     | Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION | € |
|-----|-----------------------|----------------------------|---|
|     | 1LM9-9DG09R           | 9+9 (l/min)                | * |
|     | 1LM16-9DG09R          | 16+9 (l/min)               | * |
|     | 1LM16-12DG09R         | 16+12 (l/min)              | * |
|     | 1LM16-12IG09R         | 16+12 (l/min)              | * |
|     | 1LM16-27DG09R         | 16+27 (l/min)              | * |
|     | 1LM22-22DG09R         | 22+22 (l/min)              | * |
|     | 1LM27-12DG09R         | 27+12 (l/min)              | * |
|     | 1LM35-12DG09R         | 35+12 (l/min)              | * |
| NEW | 1GM8C-8CDG09R         | 8+8cm <sup>3</sup>         | * |
| NEW | 1GM11C-11CDG09R       | 11+11cm <sup>3</sup>       | * |
| NEW | 1GM11C-11CIG09R       | 11+11cm <sup>3</sup>       | * |
| NEW | 1GM11C-6CDG09R        | 11+6cm <sup>3</sup>        | * |
| NEW | 1GM11C-8CDG09R        | 11+8cm <sup>3</sup>        | * |
| NEW | 1GM11C-8CIG09R        | 11+8cm <sup>3</sup>        | * |
| NEW | 1GM15C-15CDG09R       | 15+15cm <sup>3</sup>       | * |
| NEW | 1GM18C-8CDG09R        | 18+8cm <sup>3</sup>        | * |
| NEW | 1GM18C-11CDG09R       | 18+11cm <sup>3</sup>       | * |
| NEW | 1GM18C-15CDG09R       | 18+15cm <sup>3</sup>       | * |
| NEW | 1GM23C-8CDG09R        | 23+8cm <sup>3</sup>        | * |
| NEW | 1GM23C-8CIG09R        | 23+8cm <sup>3</sup>        | * |
| NEW | 1GM23C-18CIG09R       | 23+18cm <sup>3</sup>       | * |
| NEW | 1GM23C-23CIG09R       | 23+23cm <sup>3</sup>       | * |

Referencias 1LM... hasta fin de existencias. Consultar disponibilidad para otros caudales. / Part numbers 1LM... until end of stock. Consult us availability for other flows. / Références 1LM... jusqu'à la fin du stock. Pour d'autres débits, consultez disponibilité. / Codici 1LM...fino ad esaurimento. Consultare la disponibilità per altre portate.

\*Consultar / On request/ Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## GR.III BOMBAS SIMPLES

Gr.III Single pumps  
Gr.III Pompes simples  
Gr. III Pompe singole



### Gr.III Bomba engranaje/Tapa 09/Eje tipo G/Bridas R

Gr.III Gear pump/ 09 flange/G type shaft/Side ports type R

Gr.III Pompe engrènement/ flasque 09/Arbre type G/ Asp. et ref. type R

Gr. III Pompa Ingranaggi/Flangia 09/Albero tipo G/Attacchi R

| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION<br>Ø ASPIRACIÓN | Ø PRESSURE<br>Ø PRESIÓN | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-------------------------------|--------------------------------|------------------------------|-------------------------|-------------------------------------------|---|
| 1PLA36DG09R                   | 1PLA36IG09R                    | 3/4" BSP                     | 1/2" BSP                | 250                                       | - |
| 1PLA45DG09R                   | 1PLA45IG09R                    | 3/4" BSP                     | 1/2" BSP                | 250                                       | - |
| 1PLA54DG09R                   | 1PLA54IG09R                    | 3/4" BSP                     | 1/2" BSP                | 225                                       | - |
| 1PLA66DG09R                   | 1PLA66IG09R                    | 1" BSP                       | 3/4" BSP                | 200                                       | - |
| 1PLA84DG09R                   | 1PLA84IG09R                    | 1" BSP                       | 3/4" BSP                | 175                                       | - |



### Gr.III Bomba engranaje/Tapa 10/Eje tipo E/Bridas R

Gr.III Gear pump/ 10 flange/E type shaft/Side ports type R

Gr.III Pompe engrènement/ flasque 10/Arbre type E/ Asp. et ref. type R

Gr. III Pompa Ingranaggi/Flangia 10/Albero tipo E/Attacchi R

| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION<br>Ø ASPIRACIÓN | Ø PRESSURE<br>Ø PRESIÓN | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-------------------------------|--------------------------------|------------------------------|-------------------------|-------------------------------------------|---|
| 1PLA36DE10R                   | 1PLA36IE10R                    | 3/4" BSP                     | 1/2" BSP                | 250                                       | - |
| 1PLA45DE10R                   | 1PLA45IE10R                    | 3/4" BSP                     | 1/2" BSP                | 250                                       | - |
| 1PLA54DE10R                   | 1PLA54IE10R                    | 3/4" BSP                     | 1/2" BSP                | 225                                       | - |
| 1PLA66DE10R                   | 1PLA66IE10R                    | 1" BSP                       | 3/4" BSP                | 200                                       | - |
| 1PLA75DE10R                   | 1PLA75IE10R                    |                              |                         |                                           | - |
| 1PLA84DE10R                   | 1PLA84IE10R                    | 1" BSP                       | 3/4" BSP                | 175                                       | - |



### Gr.III Bomba engranaje/Tapa 23/Eje tipo J/Bridas F

Gr.III Gear pump/ 23 flange/J type shaft/Side ports type F

Gr.III Pompe engrènement/ flasque 23/Arbre type J/ Asp. et Ref. type F

Gr. III Pompa Ingranaggi/Flangia 23/Albero tipo J/Attacchi F

| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACIÓN (mm) | Ø PRESSURE (mm)<br>Ø PRESIÓN (mm) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|-------------------------------------------|---|
| 1PLA36DJ23F                   | 1PLA36IJ23F                    | 55                                     | 55                                | 250                                       | - |
| 1PLA45DJ23F                   | 1PLA45IJ23F                    | 55                                     | 55                                | 250                                       | - |
| 1PLA54DJ23F                   | 1PLA54IJ23F                    | 55                                     | 55                                | 225                                       | - |
| 1PLA66DJ23F                   | 1PLA66IJ23F                    | 55                                     | 55                                | 200                                       | - |



### Gr.III Bomba engranaje/Tapa 09/Eje tipo C/Bridas B

Gr.III Gear pump/ 09 flange/C type shaft/Side ports type B

Gr.III Pompe engrènement/ flasque 09/Arbre type C/ Asp. et Ref. type B

Gr. III Pompa Ingranaggi/Flangia 09/Albero tipo C/Attacchi B

| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACIÓN (mm) | Ø PRESSURE (mm)<br>Ø PRESIÓN (mm) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|-------------------------------------------|---|
| 1PLA54DC09B                   | 1PLA54IC09B                    | 51                                     | 40                                | 225                                       | - |



### Gr.III Bomba engranaje/Tapa 09/Eje tipo G/Bridas B

Gr.III Gear pump/ 09 flange/G type shaft/Side ports type B

Gr.III Pompe engrènement/ flasque 09/Arbre type G/ Asp. et Ref. type B

Gr. III Pompa Ingranaggi/Flangia 09/Albero tipo G/Attacchi B

| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACIÓN (mm) | Ø PRESSURE (mm)<br>Ø PRESIÓN (mm) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|-------------------------------------------|---|
| 1PLA45DG09B                   | 1PLA45IG09B                    | 51                                     | 40                                | 250                                       | - |
| 1PLA54DG09B                   | 1PLA54IG09B                    | 51                                     | 40                                | 225                                       | - |
| 1PLA66DG09B                   | 1PLA66IG09B                    | 51                                     | 40                                | 200                                       | - |

\*Consultar / On request/ Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## GR.III BOMBAS SIMPLES

Gr.III Single pumps  
Gr.III Pompes simples  
Gr. III Pompe singole



### Gr.III Bomba engranaje/Tapa 10/Eje tipo E/Bridas B

Gr.III Gear pump/ 10 flange/E type shaft/Side ports type B

Gr.III Pompe engranage/ flasque 10 /Arbre type E/ Asp. et Ref. type B

Gr. III Pompa Ingranaggi/ Flangia 10/Albero tipo E/Attacchi B

| Right turn<br>Giro a derechas | Left turn<br>Giro a izquierdas | Ø ASPIRATION (mm)<br>Ø ASPIRACIÓN (mm) | Ø PRESSURE (mm)<br>Ø PRESIÓN (mm) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-------------------------------|--------------------------------|----------------------------------------|-----------------------------------|-------------------------------------------|---|
| 1PLA36DE10B                   | 1PLA36IE10B                    | 51                                     | 40                                | 250                                       | - |
| 1PLA45DE10B                   | 1PLA45IE10B                    | 51                                     | 40                                | 250                                       | - |
| 1PLA54DE10B                   | 1PLA54IE10B                    | 51                                     | 40                                | 225                                       | - |
| 1PLA66DE10B                   | 1PLA66IE10B                    | 51                                     | 40                                | 200                                       | - |
| 1PLA75DE10B                   | ---                            | 51                                     | 40                                | 185                                       | - |
| 1PLA84DE10B                   | 1PLA84IE10B                    | 51                                     | 40                                | 175                                       | - |

## BOMBAS ENGRANAJES ESPECIALES SPECIAL GEAR PUMPS



2L22DP01R-CP

**ESPECIAL BARREIROS**

*SPECIAL BARREIROS*



1L0881C24R-K1

**ESPECIAL KUBOTA**

*SPECIAL KUBOTA*



1LO7.5IB22R-K1 / K11

**ESPECIAL KUBOTA**

*SPECIAL KUBOTA*



1L22IA01BM3

**ESPECIAL EBRO 69-90M**

*SPECIAL EBRO 69-90M*



1L0881C24R-K1

**MOTORES ENGRANAJES**

*GEAR MOTORS*



2LQ7.5-SDC01RA3

**ESPECIAL AGRIA**

*SPECIAL AGRIA*

### COMPOSICIÓN DE BOMBAS DOBLES, TRIPLES, ETC.

DISPONEMOS DE UN AMPLIO STOCK DE RECAMBIOS, EJES, TAPAS, ETC.

### ASSEMBLIES OF DOUBLE, TRIPLE PUMPS, ETC.

WE HAVE A LARGE STOCK OF SPARE PARTS, SHAFTS, COVERS, ETC.

\*Consultar / On request/ Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## **MOTORES SIMPLES GR.II** 294

Gr.II single Motors  
Gr.II Moteurs simples  
Motori singoli Gr.II

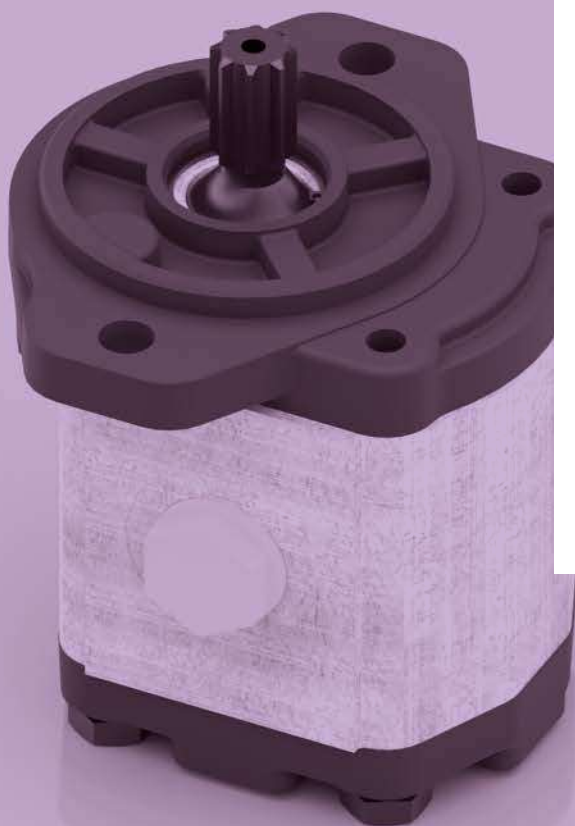
# 02

## **MOTORES DE ENGRANAJE**

Gear Motors

Moteurs à engrenages

Motori a ingranaggi





Coding- System (same that pumps except n° 2- model)  
Codificación referencias (igual que bombas excepto n° 2 - modelo)

**MG**  
2

Coding- System  
Codificación referencias

1

1

**MG**

2

15C

3

D

4

E

5

10

6

P

7

R

8

CHECK CODING- SYTEM  
CODIFICACIÓN REFERENCIAS

PAG 276

2

MODEL - MODELO

MG

Single – Aluminium body/ Simple – Cuerpo aluminio

## PUMPS & MOTORS ASSEMBLY & MODIFICATION

MONTAJE Y MODIFICACIÓN  
DE BOMBAS Y MOTORES





## MOTORES SIMPLES GR.II

Gr.II single Motors  
Gr.II Moteurs simples  
Motori singoli Gr.II



### Gr.II Motor engranaje/Tapa 10/Eje tipo C/Bridas R

Gr.II Gear motor/ 10 flange/C type shaft/Side ports type R

Gr.II Moteur engrenage/ flasque 10/Arbre type C/Asp. et Ref. type R

Gr. II Motori ingranaggi/Flangia 10/ Albero tipo C/ attacchi asp. e mand. R

|     | Part n°<br>Referencia | Ø ASPIRATION<br>Ø ASPIRACION | Ø PRESSURE<br>Ø PRESION | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | MAX. PEAK PRESSURE (Bar)<br>PRESION PUNTA (Bar) | MAX R.P.M. | cm³/rev | € |
|-----|-----------------------|------------------------------|-------------------------|-------------------------------------------|-------------------------------------------------|------------|---------|---|
|     | <b>1ML12DC10R</b>     | 1/2" BSP                     | 3/8" BSP                | 250                                       | 275                                             | 3500       | 8       | - |
|     | <b>1ML22DC10R</b>     | 1/2" BSP                     | 3/8" BSP                | 250                                       | 275                                             | 2500       | 14,6    | - |
|     | <b>1ML35DC10R</b>     | 3/4" BSP                     | 1/2" BSP                | 160                                       | 175                                             | 2000       | 23,3    | - |
| NEW | <b>1MG8CDC10R</b>     | 1/2" BSP                     | 3/8" BSP                | 275                                       | 310                                             | 3500       | 8       | - |
| NEW | <b>1MG11CDC10R</b>    | 1/2" BSP                     | 3/8" BSP                | 275                                       | 310                                             | 3000       | 107     | - |
| NEW | <b>1MG15CDC10R</b>    | 1/2" BSP                     | 3/8" BSP                | 250                                       | 285                                             | 2500       | 14,7    | - |
| NEW | <b>1MG18CDC10R</b>    | 3/4" BSP                     | 1/2" BSP                | 225                                       | 260                                             | 2300       | 18      | - |
| NEW | <b>1MG23CDC10R</b>    | 3/4" BSP                     | 1/2" BSP                | 170                                       | 200                                             | 2000       | 23,3    | - |

Referencias 1ML... hasta fin de existencias / Part numbers 1ML... until end of stock / Références 1ML... jusqu'à la fin du stock / Codici 1ML... fino ad esaurimento



### Gr.II Motor engranaje/Tapa 10/Eje tipo E/Bridas R

Gr.II Gear motor / 10 flange/E type shaft/Side ports type R

Gr.II Moteur engrenage/ flasque 10/Arbre type E/Asp. et Ref. type R

Gr. II Motori ingranaggi/Flangia 10/ Albero tipo E/ attacchi asp. e mand. R

|     | Part n°<br>Referencia | Ø ASPIRATION<br>Ø ASPIRACION | Ø PRESSURE<br>Ø PRESION | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | PEAK PRESSURE (Bar)<br>PRESION PUNTA (Bar) | MAX R.P.M. | cm³/rev | € |
|-----|-----------------------|------------------------------|-------------------------|-------------------------------------------|--------------------------------------------|------------|---------|---|
|     | <b>1ML9DE10R</b>      | 1/2" BSP                     | 3/8" BSP                | 250                                       | 275                                        | 3500       | 6       | - |
|     | <b>1ML22DE10R</b>     | 1/2" BSP                     | 3/8" BSP                | 250                                       | 275                                        | 2500       | 14,6    | - |
|     | <b>1ML27DE10R</b>     | 3/8" BSP                     | 1/2" BSP                | 210                                       | 230                                        | 2300       | 18      | - |
|     | <b>1ML35DE10R</b>     | 3/4" BSP                     | 1/2" BSP                | 160                                       | 175                                        | 2000       | 23,3    | - |
| NEW | <b>1MG6CDE10R</b>     | 1/2" BSP                     | 3/8" BSP                | 275                                       | 310                                        | 3500       | 6       | - |
| NEW | <b>1MG8CDE10R</b>     | 1/2" BSP                     | 3/8" BSP                | 275                                       | 310                                        | 3500       | 8       | - |
| NEW | <b>1MG11CDE10R</b>    | 1/2" BSP                     | 3/8" BSP                | 275                                       | 310                                        | 3000       | 10,7    | - |
| NEW | <b>1MG15CDE10R</b>    | 1/2" BSP                     | 3/8" BSP                | 250                                       | 285                                        | 2500       | 14,7    | - |
| NEW | <b>1MG18CDE10R</b>    | 3/4" BSP                     | 1/2" BSP                | 225                                       | 260                                        | 2300       | 18      | - |
| NEW | <b>1MG27CDE10R</b>    | 3/4" BSP                     | 1/2" BSP                | 170                                       | 200                                        | 2000       | 26,7    | - |

Referencias 1ML... hasta fin de existencias / Part numbers 1ML... until end of stock / Références 1ML... jusqu'à la fin du stock / Codici 1ML... fino ad esaurimento



### Gr.II Motor engranaje/Tapa 09/Eje tipo G/Bridas B

Gr.II Gear motor/ 09 flange/G type shaft/Side ports type B

Gr.II Moteur engrenage/flasque 09/Arbre type G/Asp. et Ref. type B

Gr. II Motori ingranaggi/Flangia 09/ Albero tipo G/ attacchi asp. e mand. B

|     | Part n°<br>Referencia | Ø ASPIRATION (mm)<br>Ø ASPIRACION (mm) | Ø PRESSURE (mm)<br>Ø PRESION (mm) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | MAX. PEAK PRESSURE (Bar)<br>PRESION PUNTA (Bar) | MAX R.P.M. | cm³/rev | € |
|-----|-----------------------|----------------------------------------|-----------------------------------|-------------------------------------------|-------------------------------------------------|------------|---------|---|
|     | <b>1ML9DG09B</b>      | 30                                     | 30                                | 250                                       | 275                                             | 3500       | 6       | - |
|     | <b>1ML16DG09B</b>     | 40                                     | 30                                | 250                                       | 275                                             | 3000       | 10,6    | - |
|     | <b>1ML22DG09B</b>     | 40                                     | 30                                | 250                                       | 275                                             | 2500       | 14,6    | - |
|     | <b>1ML35DG09B</b>     | 40                                     | 30                                | 160                                       | 175                                             | 2000       | 23,3    | - |
| NEW | <b>1MG6CDG09B</b>     | 30                                     | 30                                | 275                                       | 310                                             | 3500       | 6       | - |
| NEW | <b>1MG8CDG09B</b>     | 40                                     | 30                                | 275                                       | 310                                             | 3500       | 8       | - |
| NEW | <b>1MG11CDG09B</b>    | 40                                     | 30                                | 275                                       | 310                                             | 3000       | 10,7    | - |
| NEW | <b>1MG15CDG09B</b>    | 40                                     | 30                                | 250                                       | 285                                             | 2500       | 14,7    | - |
| NEW | <b>1MG18CDG09B</b>    | 40                                     | 30                                | 225                                       | 260                                             | 2300       | 18      | - |
| NEW | <b>1MG23CDG09B</b>    | 40                                     | 30                                | 180                                       | 210                                             | 2000       | 23,3    | - |

Referencias 1ML... hasta fin de existencias / Part numbers 1ML... until end of stock / Références 1ML... jusqu'à la fin du stock / Codici 1ML... fino ad esaurimento

\*Consultar / On request/ Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

**DISTRIBUIDOR TIPO 102 - 3/8" BSP - 40 L/MIN** **298**

Control valve type 102 - 3/8" BSP - 40 L/min  
Distributeur type 102 - 3/8" BSP - 40 L/min  
Distributori tipo 102 - 3/8" BSP - 40 L/min

**DISTRIBUIDOR TIPO 1102 - 1/2" BSP - 60 L/MIN** **299**

Control valve type 1102 - 1/2" BSP - 60 L/min  
Distributeur type 1102 - 1/2" BSP - 60 L/min  
Distributori tipo 1102 - 1/2" BSP - 60 L/min

**DISTRIBUIDOR TIPO 406 - 1/2" BSP - 80 L/MIN** **300**

Control valve type 406 - 1/2" BSP - 80 L/min  
Distributeur type 406 - 1/2" BSP - 80 L/min  
Distributori tipo 406 - 1/2" BSP - 80 L/min

**DISTRIBUIDORES ESPECIALES** **301**

Special control valves  
Distributeurs spéciaux  
Distributori speciali

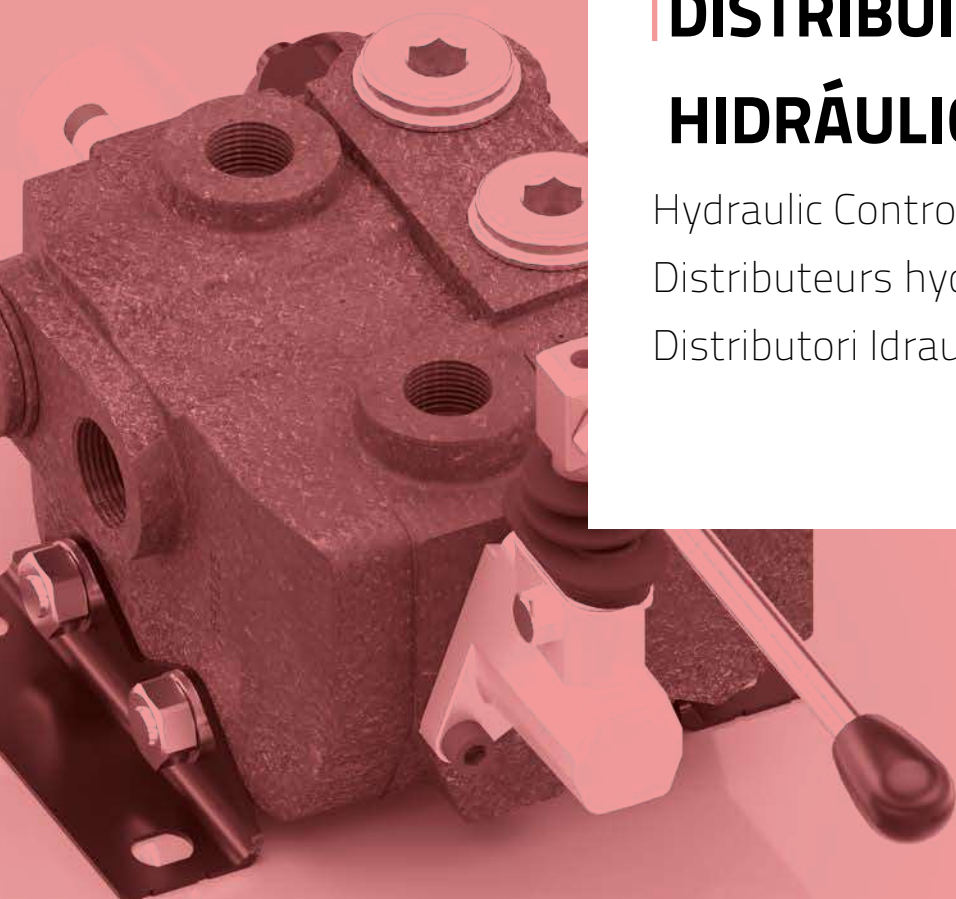
# 03

## **DISTRIBUIDORES HIDRÁULICOS**

Hydraulic Control Valves

Distributeurs hydrauliques

Distributori Idraulici



**DISTRIBUIDOR TIPO 102 - 3/8" BSP - 40 L/MIN**

Control valve type 102 - 3/8" BSP - 40 L/min

Distributeur type 102 - 3/8" BSP - 40 L/min

Distributori tipo 102 - 3/8" BSP - 40 L/min

**Distr.tipo 102- 3/8" BSP- 40 L/min, 3 pos.retorno por muelle(tipo 1), Corredera doble efecto (tipo D)**

Control valve type 102 - 3/8" BSP - 40 l/min D.A. spool (type D)

Distributeur type 102 - 3/8" BSP - 40 l/min Tiroir D.E. (type D)

Distributori tipo 102-3/8 BSP, 40 lt./min.,3 posiz. ritorno a molla (tipo1),cursore D.E. (tipo D)

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAXIMO (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|--------------------------------------------|-------------------------------------------|-----------------------|---|
| 102C1PA12D            | 3/8" BSP        | 40                                         | 350                                       | 1                     | - |
| 102N1PA12D            | 3/8" BSP        | 40                                         | 350                                       | 1                     | - |
| 102N1PA12DD           | 3/8" BSP        | 40                                         | 350                                       | 2                     | - |
| 102N1PA12DDD          | 3/8" BSP        | 40                                         | 350                                       | 3                     | - |
| 102N1PA12DDDD         | 3/8" BSP        | 40                                         | 350                                       | 4                     | - |
| 102N1PA12DDDDD        | 3/8" BSP        | 40                                         | 350                                       | 5                     | - |
| 102N1PA12DDDDDD       | 3/8" BSP        | 40                                         | 350                                       | 6                     | - |
| 102N1PA12DDDS         | 3/8" BSP        | 40                                         | 350                                       | 3                     | - |
| 102N1PA12DS           | 3/8" BSP        | 40                                         | 350                                       | 2                     | - |
| 102N1PA12SSDD         | 3/8" BSP        | 40                                         | 350                                       | 4                     | - |

**Distr.tipo 102- 3/8" BSP- 40 L/min, 3 pos.retorno por muelle(tipo 1), Corredera simple efecto(tipo S)**

Control valve type 102 - 3/8" BSP - 40 l/min S.A. spool (type S)

Distributeur type 102 - 3/8" BSP - 40 l/min Tiroir S.E. (type S)

Distributori tipo 102-3/8 BSP, 40 lt./min.,3 posiz. ritorno a molla (tipo1),cursore D.E. (tipo S)

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAXIMO (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|--------------------------------------------|-------------------------------------------|-----------------------|---|
| 102N1PA12DSS          | 3/8" BSP        | 40                                         | 350                                       | 3                     | - |
| 102N1PA12S            | 3/8" BSP        | 40                                         | 350                                       | 1                     | - |
| 102N1PA12SS           | 3/8" BSP        | 40                                         | 350                                       | 2                     | - |

**Distr.tipo 102- 3/8" BSP rotativo 40L/min, corredera doble efecto sensibilizada (tipo E)**

Control valve 102 rotary lever - mettered spool type E - 3/8" BSP

Distributeur type 102 levier rotative - tiroir spéciale E - 3/8" BSP

Distributore tipo 102- 3/8" BSP rotativo 40L/min, cursore doppio effetto sensibilizzato (tipo E)

| Part n°<br>Referencia | THREAD<br>ROSCA | DESCRIPTION<br>DESCRIPCIÓN | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| 102N35SA12E           | 3/8" BSP        | 102N35SA12E                | 40                                       | 350                                       | 1                     | - |



## DISTRIBUIDOR TIPO 1102 - 1/2" BSP - 60 L/MIN

Control valve type 1102 - 1/2" BSP - 60 L/min

Distributeur type 1102 - 1/2" BSP - 60 L/min

Distributori tipo 1102 - 1/2" BSP - 60 L/min



### Distr.tipo 1102 - 1/2" BSP - 60L/min, Corredera doble efecto (tipo D)

Control valve type 1102 - 1/2" BSP - 60 l/min, double acting spool (type D)

Distributeur type 1102 - 1/2" BSP - 60 l/min, tiroir double effet (type D)

Distributore tipo 1102- 1/2"BSP 60L/min, cursore D.E. (tipo D)

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁXIMO (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|--------------------------------------------|-------------------------------------------|-----------------------|---|
| 1102N1PA12D           | 1/2" BSP        | 60                                         | 350                                       | 1                     | - |
| 1102N1PA12DD          | 1/2" BSP        | 60                                         | 350                                       | 2                     | - |



### Distr.tipo 1102 - 1/2" BSP - 60L/min, Corredera simple efecto (tipo S)

Control valve type 1102 - 1/2" BSP - 60 l/min, single acting spool (type S)

Distributeur type 1102 - 1/2" BSP - 60 l/min, tiroir simple effet (type S)

Distributore tipo 1102- 1/2"BSP 60L/min, cursore S.E. (tipo S)

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| 1102N1PA12S           | 350             | 1/2" BSP                                 | 60                                        | 1                     | - |



### Distr.tipo 1102 - 1/2" BSP - 60L/min, Corredera motor (tipo I)

Control valve type 1102 - 1/2" BSP - 60 l/min, motor spool (type I)

Distributeur type 1102 - 1/2" BSP - 60 l/min, tiroir moteur (type I)

Distributore tipo 1102- 1/2"BSP 60L/min, cursore motore (tipo I)

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| 1102N1PA12I           | 1/2" BSP        | 60                                       | 350                                       | 1                     | - |
| 1102N1PA13I           | 1/2" BSP        | 60                                       | 350                                       | 1                     | - |



### Distr.tipo rotativo 1102 - 1/2" BSP - 60L/min, Corredera doble efecto sensibilizada (tipo E)

Control valve 1102 rotary lever - metered spool type E - 3/8" BSP

Distributeur type 1102 levier rotative - tiroir spéciale E - 3/8" BSP

Distributore tipo rotativo 1102- 1/2"BSP 60L/min, cursore D.E. sensibilizzato tipo E

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| 1102N35RA13E          | 1/2" BSP        | 60                                       | 350                                       | 1                     | - |
| 1102N35SA12E          | 1/2" BSP        | 60                                       | 350                                       | 1                     | - |

**DISTRIBUIDOR TIPO 406 - 1/2" BSP - 80 L/MIN**

Control valve type 406 - 1/2" BSP - 80 L/min

Distributeur type 406 - 1/2" BSP - 80 L/min

Distributori tipo 406 - 1/2" BSP - 80 L/min

**Distr.tipo 406-1/2" BSP - 80 L/min, 3 pos.retorno por muelle (tipo 1), Corredera doble efecto(Tipo D)**

Control valve type 406 - 1/2" BSP - 80 l/min, double acting spool (type D)

Distributeur type 406 - 1/2" BSP - 80 l/min, tiroir double effet (type D)

Distributore tipo 406-1/2" BSP 80L/min, 3 posiz. ritorno a molla (tipo 1), cursore D.E. (tipo D)

| Part n°<br>Referencia       | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------------|-----------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| <b>406N1PA12D</b>           | 1/2" BSP        | 80                                       | 350                                       | 1                     | - |
| <b>406N1PA12DD</b>          | 1/2" BSP        | 80                                       | 350                                       | 2                     | - |
| <b>406N1PA12DDD</b>         | 1/2" BSP        | 80                                       | 350                                       | 3                     | - |
| <b>406N1PA12DDDD</b>        | 1/2" BSP        | 80                                       | 350                                       | 4                     | - |
| <b>406N1PA12DDDDD</b>       | 1/2" BSP        | 80                                       | 350                                       | 5                     | - |
| <b>NEW 406N1PA12DDDDDDD</b> | 1/2" BSP        | 80                                       | 350                                       | 7                     | - |
| <b>406N1PA12DDDDDDDD</b>    | 1/2" BSP        | 80                                       | 350                                       | 9                     | - |
| <b>406N1PA13DDDDDDDD</b>    | 1/2" BSP        | 80                                       | 350                                       | 8                     | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## DISTRIBUIDORES ESPECIALES

Special control valves  
Distributeurs spéciaux  
Distributori speciali



### Distribuidores especiales

Special control valve  
Distributeurs spéciaux  
Distributori speciali

| Part n°<br>Referencia | THREAD<br>ROSCA | DESCRIPTION<br>DESCRIPCIÓN  | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | LEVERS<br>N° PALANCAS | € |
|-----------------------|-----------------|-----------------------------|------------------------------------------|-------------------------------------------|-----------------------|---|
| <b>102C11CX-JD1</b>   | 3/8" BSP        | 102C11CX-JD1 (JOHN DEERE)   | 40                                       | 350                                       | 1                     | - |
| <b>102C11CXX-JD1</b>  | 3/8" BSP        | 102C11CXX-JD1 (JOHN DEERE)  | 40                                       | 350                                       | 2                     | - |
| <b>102N7HA3S-A1</b>   | 3/8" BSP        | 102N7HA3S-A1                | 40                                       | 350                                       | 1                     | - |
| <b>102N7PA12S</b>     | 3/8" BSP        | 102N7PA12S                  | 40                                       | 350                                       | 1                     | - |
| <b>102N7SA12I-TR1</b> | 3/8" BSP        | 102N7SA12I-TR1              | 40                                       | 350                                       | 1                     | - |
| <b>1102C11CXX-JD1</b> | 1/2" BSP        | 1102C11CXX-JD1 (JOHN DEERE) | 60                                       | 350                                       | 2                     | - |





**BOMBAS DE ENGRANAJE**  
**MOTORES DE ENGRANAJE**  
**VÁLVULAS EN LÍNEA**  
**SELECTORAS**  
**RECAMBIOS**

Y mucho más... ¡Descúbrelos!

**GEAR PUMPS**  
**GEAR MOTORS**  
**VALVES IN LINE**  
**DIVERTER VALVES**  
**SPARE PARTS.**

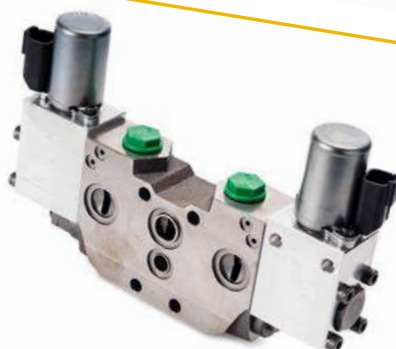
and much more... See for yourself!



UN UNIVERSO DE *INFINITE* HYDRAULIC APPLICATIONS  
*INFINITAS* APLICACIONES HIDRÁULICAS

**Roquet**  
making moves

DISCOVER A BROAD RANGE OF HYDRAULIC CONTROL VALVES  
DESCUBRE LA GRAN VARIEDAD DE DISTRIBUIDORES HIDRÁULICOS



## **SELECTORA APILABLE** 306

Stackable diverter valve  
Déviateur empilable  
Deviatrici Modulari

# 04

## **SELECTORAS**

Diverter valves

Déviateurs

Selettrici



## SELECTORA APILABLE

Stackable diverter valve

Déviateur empilable

Deviatrici Modulari

### Selectora monoblock 6 vías



Diverter valve monoblock 6 ways

Déviateur monoblock 6 voies

Deviatrici monoblocco a 6 vie

| Part n°<br>Referencia        | THREAD<br>ROSCA | PORTS<br>SALIDAS    | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|------------------------------|-----------------|---------------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| <b>6VMB1D12MPASD482-BE13</b> | 3/8" BSP        | laterales / lateral | 12 VDC                     | 40                                       | 250                                       | - |
| <b>6VMB1D24MPASD482-BE14</b> | 3/8" BSP        | laterales / lateral | 24VDC                      | 40                                       | 250                                       | - |
| <b>6VRC1D12LPASD482-BE15</b> | 1/2" BSP        | laterales / lateral | 12 VDC                     | 80                                       | 250                                       | - |

### Selectora monoblock 8 vías



Diverter valve monoblock 8 ways

Déviateur monoblock 8 voies

Deviatrici monoblocco a 8 vie

| Part n°<br>Referencia           | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|---------------------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| <b>8VRB1D12MPA-PASD482-BE13</b> | 3/8" BSP        | 12 VDC                     | 40                                       | 250                                       | - |
| <b>8VRB1D24MPA-PASD482-BE14</b> | 3/8" BSP        | 24VDC                      | 40                                       | 250                                       | - |

### Selectora apilable 6 vías



Stackable diverter valve 6 ways

Déviateur empilable 6 voies

Elettrovalvola deviatrice a 6 vie modulare

| Part n°<br>Referencia   | THREAD<br>ROSCA | VOLTAGE (V)<br>VOLTAJE (V) | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-------------------------|-----------------|----------------------------|------------------------------------------|-------------------------------------------|---|
| <b>6VAB1D12MPASD005</b> | 3/8" BSP        | 12 VDC                     | 40                                       | 250                                       | - |
| <b>6VAC1D12MPBSD005</b> | 1/2" BSP        | 24VDC                      | 40                                       | 250                                       | - |
| <b>6VAB1D24MPASD000</b> | 3/8" BSP        | 12 VDC                     | 40                                       | 250                                       | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

## Componentes neumáticos

Pneumatic Components  
*Composants Pneumatiques*  
Componenti Pneumatici

# TrΔle®





## TRATAMIENTO DE AIRE COMPRIMIDO

Compressed air treatment  
Traitement d'air comprimé  
Trattamento aria compressa



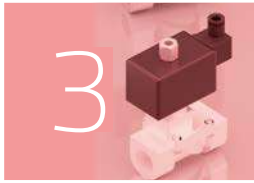
## VÁLVULAS DE CONTROL

Control Valves  
Valves de contrôle  
Valvole di controllo



## VÁLVULAS DE CORTE BAJA PRESIÓN

Low pressure valves  
Vannes à clapet basse pression  
Valvole bassa pressione



## CILINDROS NEUMÁTICOS

Pneumatic cylinders  
Vérins pneumatiques  
Cilindri Pneumatici





## **ELEMENTOS PARA EL TRATAMIENTO DE AIRE COMPRIMIDO**

**310**

Compressed air treatment elements  
Éléments de traitement d'air comprimé  
Elementi per il trattamento di aria compressa



# 01

## **TRATAMIENTO DE AIRE COMPRIMIDO**

Compressed air treatment

Traitement d'air comprimé

Trattamento aria compressa

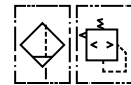
## ELEMENTOS PARA EL TRATAMIENTO DE AIRE COMPRIMIDO

Compressed air treatment elements  
Éléments de traitement d'air comprimé  
Elementi per il trattamento di aria compressa

TrAie®

## Filtro-regulador estándar metálico

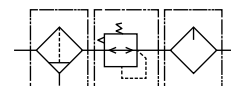
Metallic filter pressure reducer  
Filtre-régulateur standard métallique  
Filtro regolatore standard metallico



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| FR 1/4 M              | 1/4" BSP        | 550                                      | 10                                        | - |
| FR 1/2 M              | 1/2" BSP        | 4000                                     | 10                                        | - |
| FR 1 M                | 1" BSP          | 5500                                     | 10                                        | - |

## Filtro-regulador + lubricador compacto

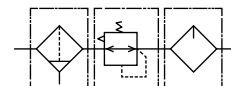
Filter-pressure reducer + compact lubricant  
Filtre-régulateur + lubrificateur compact  
Filtro regolatore + lubrificatore compatto



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| FR+L 1/4 M            | 1/4" BSP        | 500                                      | 10                                        | - |
| FR+L 1/2 M            | 1/2" BSP        | 3000                                     | 10                                        | - |
| FR+L 1 M              | 1" BSP          | 4000                                     | 10                                        | - |

## Filtro + regulador + lubricador (3 cuerpos)

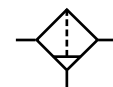
Pressure reducer + lubricant + filter (3 bodies)  
Filtre + régulateur + lubrificateur (3 corps)  
Filtro + regolatore + lubrificatore (3 corpi)



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| FRL 1/4 M             | 1/4" BSP        | 500                                      | 10                                        | - |
| FRL 1/2 M             | 1/2" BSP        | 4000                                     | 10                                        | - |
| FRL 1 M               | 1" BSP          | 5000                                     | 10                                        | - |

## Filtro Metálico

Metallic Filter  
Filtre métallique  
Filtro metallico



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MÁX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| FIL 1/4 M             | 1/4" BSP        | 750                                      | 10                                        | - |
| FIL 1/2 M             | 1/2" BSP        | 4000                                     | 10                                        | - |
| FIL 1 M               | 1" BSP          | 7000                                     | 10                                        | - |

## Regulador de presión

Pressure reducer  
Réducteur de pression  
Regolatore di pressione

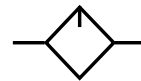


| Part n°<br>Referencia | THREAD<br>ROSCA | FLOW (l/min)<br>CAUDAL (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MÁX. (bar) | € |
|-----------------------|-----------------|--------------------------------|-------------------------------------------|---|
| REG 1/4               | 1/4" BSP        | 550                            | 10                                        | - |
| REG 1/2               | 1/2" BSP        | 6000                           | 10                                        | - |
| REG 1                 | 1" BSP          | 8000                           | 10                                        | - |



### Lubricador

Compact Lubricant  
Lubrificateur compact  
Lubrificatore compatto



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. FLOW (l/min)<br>CAUDAL MAX. (l/min) | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|------------------------------------------|-------------------------------------------|---|
| LUB 1/4 M             | 1/4" BSP        | 800                                      | 10                                        | - |
| LUB 1/2 M             | 1/2" BSP        | 5000                                     | 10                                        | - |
| LUB 1 M               | 1" BSP          | 7000                                     | 10                                        | - |

## COMBINACIÓN DE GRUPOS DE FILTRACIÓN *FILTRATION* GROUP COMBINATION

### F+R+L



### FR+L



Disponemos de todos los accesorios de acoplamiento | *We have all the assembly accessories*

## ELEMENTOS PARA EL TRATAMIENTO DE AIRE COMPRIMIDO

Compressed air treatment elements  
Éléments de traitement d'air comprimé  
Elementi per il trattamento di aria compressa

TrAie®

## Manómetro



Pressure gauge

Manomètre

Manometro

| Part n°<br>Referencia | THREAD<br>ROSCA | Ø OUTER<br>Ø EXT. | DESCRIPTION<br>DESCRIPCION | SCALE (bar)<br>ESCALA (bar) | € |
|-----------------------|-----------------|-------------------|----------------------------|-----------------------------|---|
| MP4318012             | 1/8" BSP        | 43mm              | Dorsal / Rear              | 0 - 12                      | - |
| MP5318012             | 1/8" BSP        | 53mm              | Dorsal / Rear              | 0 - 12                      | - |
| MR5318012             | 1/8" BSP        | 53mm              | Vertical                   | 0 - 12                      | - |

## Soporte para FRL



Support bracket for FRL

Support pour FRL

Supporto per FRL

| Part n°<br>Referencia | L TYPE SPACER<br>ESPACIADOR TIPO L | € |
|-----------------------|------------------------------------|---|
| SOPORTE FRL14         | 1/4 M                              | - |
| SOPORTE FRL12         | 1/2 M                              | - |
| SOPORTE FRL1          | 1 M                                | - |

## Soporte para FR+L



Support bracket for FR+L

Support pour FR+L

Supporto per FR+L

| Part n°<br>Referencia | T TYPE SPACER<br>ESPACIADOR TIPO T | € |
|-----------------------|------------------------------------|---|
| SOPORTE FR+L 14       | 1/4 M                              | - |
| SOPORTE FR+L 12       | 1/2 M                              | - |
| SOPORTE FR+L 1        | 1 M                                | - |

## Membrana para REG

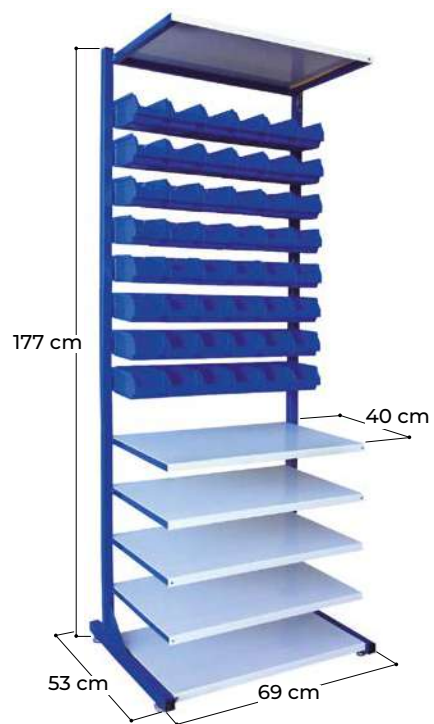


Diaphragm for REG

Membrane pour REG

Membrana per REG

| Part n°<br>Referencia | REG     | € |
|-----------------------|---------|---|
| MEMBRANAREG14         | 1/4     | - |
| MEMBRANAREG1          | 1-- 1/2 | - |



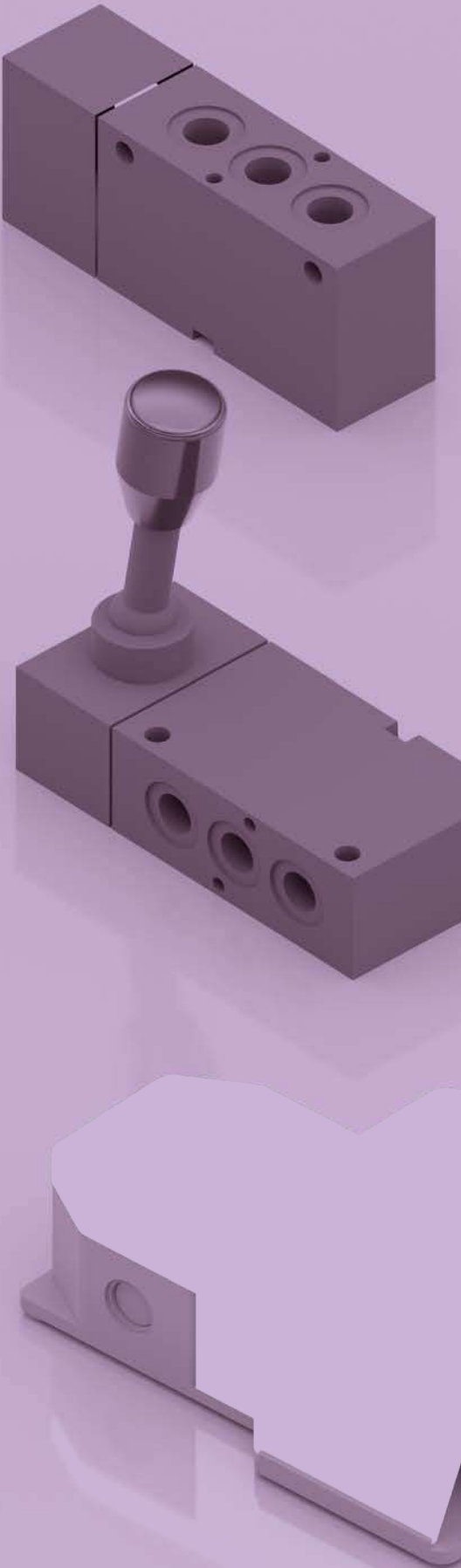
## **VÁLVULAS DE MANIOBRA** 316

Control valves  
Valves de manoeuvre  
Valvole di manovra

## **VÁLVULAS NEUMÁTICAS EN LÍNEA** 326

Pneumatic valves in line  
Valves pneumatiques en ligne  
Valvole pneumatiche in linea





# 02

## **VÁLVULAS DE CONTROL**

Control Valves

Valves de contrôle

Valvole di controllo

## VÁLVULAS DE MANIOBRA

Control valves  
Valves de manoeuvre  
Valvole di manovra

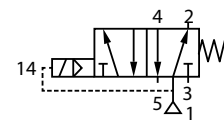
TrAie®

## Válvulas con acc. eléctrico - 5/2 monoestable

Solenoid pneumatic valve 5/2 monostable

Vannes 5/2 avec actionnement électrique mono-stable

Elettrovalvole pneumatiche - 5/2 monostabili



| Part n°<br>Referencia | THREAD<br>ROSCA | BODY<br>CUERPO | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------|----------------------------------------------|---|
| NEU100070             | 1/8" BSP        | 1/8"           | 8                                            | - |
| NEU100073             | 1/8" BSP        | 1/4"           | 8                                            | - |
| NEU100075             | 1/4" BSP        | 1/4"           | 8                                            | - |
| NEU100080             | 3/8" BSP        | 3/8"           | 8                                            | - |
| NEU100085             | 1/2" BSP        | 1/2"           | 8                                            | - |

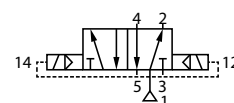
Sin bobinas y sin conectores. / Without coils and without connectors. / Sans bobines et sans connecteurs. / Senza bobina e senza connettori.

## Válvulas con acc. eléctrico - 5/2 biestable

Solenoid pneumatic valve 5/2 bistable

Vannes 5/2 avec actionnement électrique bi-stable

Elettrovalvole pneumatiche - 5/2 bistabili



| Part n°<br>Referencia | THREAD<br>ROSCA | BODY<br>CUERPO | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------|----------------------------------------------|---|
| NEU100090             | 1/8" BSP        | 1/8"           | 8                                            | - |
| NEU100093             | 1/8" BSP        | 1/4"           | 8                                            | - |
| NEU100095             | 1/4" BSP        | 1/4"           | 8                                            | - |
| NEU100100             | 3/8" BSP        | 3/8"           | 8                                            | - |
| NEU100105             | 1/2" BSP        | 1/2"           | 8                                            | - |

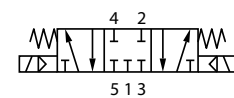
Sin bobinas y sin conectores. / Without coils and without connectors. / Sans bobines et sans connecteurs. / Senza bobina e senza connettori.

## Válvulas con acc. eléctrico - 5/3 centro cerrado

Solenoid pneumatic valve 5/3 closed center

Vannes 5/3 avec actionnement électrique centre fermé

Elettrovalvole pneumatiche - 5/3 C. C.



| Part n°<br>Referencia | THREAD<br>ROSCA | BODY<br>CUERPO | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------|----------------------------------------------|---|
| NEU100110             | 1/8" BSP        | 1/8"           | 8                                            | - |
| NEU100113             | 1/8" BSP        | 1/4"           | 8                                            | - |
| NEU100115             | 1/4" BSP        | 1/4"           | 8                                            | - |
| NEU100118             | 3/8" BSP        | 3/8"           | 8                                            | - |
| NEU100120             | 1/2" BSP        | 1/2"           | 8                                            | - |

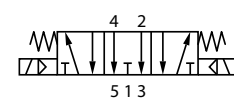
Sin bobinas y sin conectores. / Without coils and without connectors. / Sans bobines et sans connecteurs. / Senza bobina e senza connettori.

## Válvulas con acc. eléctrico - 5/3 centro abierto

Solenoid pneumatic valve 5/3 open center

Vannes 5/3 avec actionnement électrique centre ouvert

Elettrovalvole pneumatiche - 5/3 C.A.



| Part n°<br>Referencia | THREAD<br>ROSCA | BODY<br>CUERPO | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------|----------------------------------------------|---|
| NEU100125             | 1/8" BSP        | 1/8"           | 8                                            | - |
| NEU100128             | 1/8" BSP        | 1/4"           | 8                                            | - |
| NEU100130             | 1/4" BSP        | 1/4"           | 8                                            | - |
| NEU100133             | 3/8" BSP        | 3/8"           | 8                                            | - |
| NEU100135             | 1/2" BSP        | 1/2"           | 8                                            | - |

Sin bobinas y sin conectores. / Without coils and without connectors. / Sans bobines et sans connecteurs. / Senza bobina e senza connettori.

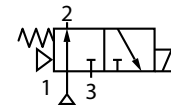


### Válvulas con acc. eléctrico 3/2 - normalmente abierta

Solenoid pneumatic valve 3/2 normally open

Vannes avec actionnement électrique 3/2 normalement ouverte

Elettrovalvole pneumatiche – 3/2 N.A.



| Part n°<br>Referencia | THREAD<br>ROSCA | BODY<br>CUERPO | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------|----------------------------------------------|---|
| NEU100620             | 1/8" BSP        | 1/8"           | 8                                            | - |
| NEU100623             | 1/8" BSP        | 1/4"           | 8                                            | - |
| NEU100625             | 1/4" BSP        | 1/4"           | 8                                            | - |
| NEU100628             | 3/8" BSP        | 3/8"           | 8                                            | - |
| NEU100630             | 1/2" BSP        | 1/2"           | 8                                            | - |

Sin bobinas y sin conectores. / Without coils and without connectors. / Sans bobines et sans connecteurs. / Senza bobina e senza connettori.

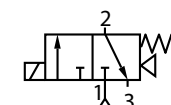


### Válvulas con acc. eléctrico 3/2 - normalmente cerrada

Solenoid pneumatic valve 3/2 normally closed

Vannes avec actionnement électrique 3/2 normalement fermée

Elettrovalvole pneumatiche – 3/2 N.C.



| Part n°<br>Referencia | THREAD<br>ROSCA | BODY<br>CUERPO | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------|----------------------------------------------|---|
| NEU100600             | 1/8" BSP        | 1/8"           | 8                                            | - |
| NEU100603             | 1/8" BSP        | 1/4"           | 8                                            | - |
| NEU100605             | 1/4" BSP        | 1/4"           | 8                                            | - |
| NEU100608             | 3/8" BSP        | 3/8"           | 8                                            | - |
| NEU100610             | 1/2" BSP        | 1/2"           | 8                                            | - |

Sin bobinas y sin conectores. / Without coils and without connectors. / Sans bobines et sans connecteurs. / Senza bobina e senza connettori.



### Bobinas

Coils

Bobines

Bobine

| Part n°<br>Referencia | COIL<br>BOBINA | POWER<br>POTENCIA | VOLTAGE (V)<br>VOLTAJE (V) | € |
|-----------------------|----------------|-------------------|----------------------------|---|
| NEU100220             | STANDARD       | 3.0               | 12 VDC                     | - |
| NEU100221             | 1/8            | 2.8               | 12 VDC                     | - |
| NEU100225             | STANDARD       | 3.0               | 24 VDC                     | - |
| NEU100226             | 1/8            | 2.8               | 24 VDC                     | - |
| NEU100230             | STANDARD       | 4.0               | 24 VAC                     | - |
| NEU100231             | 1/8            | 3.0               | 24 VAC                     | - |
| NEU100235             | STANDARD       | 4.0               | 110 VAC                    | - |
| NEU100236             | 1/8            | 3.0               | 110 VAC                    | - |
| NEU100240             | STANDARD       | 4.0               | 220 VAC                    | - |
| NEU100241             | 1/8            | 3.0               | 220 VAC                    | - |



### Conectores

Connectors

Connecteurs

Connettori

| Part n°<br>Referencia | CONECTOR | VOLTAGE (V)<br>VOLTAJE (V) | € |
|-----------------------|----------|----------------------------|---|
| NEU100215AC           | STANDARD | AC                         | - |
| NEU100215DC           | STANDARD | DC                         | - |
| NEU100216AC           | 1/8      | AC                         | - |
| NEU100216DC           | 1/8      | DC                         | - |

NEU100215... foto superior y NEU100216... foto inferior / NEU100215... top photo and NEU100216... bottom photo / NEU100215... photo du haut y NEU100216... photo du bas / NEU100215... foto superiore e NEU100216... foto inferiore

## VÁLVULAS DE MANIOBRA

Control valves  
Valves de manoeuvre  
Valvole di manovra

TrAle®

## Placas base para válvulas neumáticas 3/2

Subplates for pneumatic valves 3/2

Embases pour valves pneumatiques 3/2

Piastra di base per valvole pneumatiche 3/2



| Part n°<br>Referencia | THREAD<br>ROSCA | ELEMENTS NR.<br>N° ELEMENTOS | € |
|-----------------------|-----------------|------------------------------|---|
| NEU100800             | 1/8" BSP        | 2                            | - |
| NEU100805             | 1/8" BSP        | 3                            | - |
| NEU100810             | 1/8" BSP        | 4                            | - |
| NEU100815             | 1/8" BSP        | 5                            | - |
| NEU100820             | 1/8" BSP        | 6                            | - |
| NEU100825             | 1/8" BSP        | 7                            | - |
| NEU100830             | 1/8" BSP        | 8                            | - |
| NEU100835             | 1/4" BSP        | 2                            | - |
| NEU100840             | 1/4" BSP        | 3                            | - |
| NEU100845             | 1/4" BSP        | 4                            | - |
| NEU100850             | 1/4" BSP        | 5                            | - |
| NEU100855             | 1/4" BSP        | 6                            | - |
| NEU100860             | 1/4" BSP        | 7                            | - |
| NEU100865             | 1/4" BSP        | 8                            | - |
| NEU100870             | 3/8" BSP        | 2                            | - |
| NEU100875             | 3/8" BSP        | 3                            | - |
| NEU100880             | 3/8" BSP        | 4                            | - |
| NEU100885             | 3/8" BSP        | 5                            | - |
| NEU100890             | 3/8" BSP        | 6                            | - |
| NEU100895             | 3/8" BSP        | 7                            | - |
| NEU100900             | 3/8" BSP        | 8                            | - |
| NEU100905             | 1/2" BSP        | 2                            | - |
| NEU100910             | 1/2" BSP        | 3                            | - |
| NEU100915             | 1/2" BSP        | 4                            | - |
| NEU100920             | 1/2" BSP        | 5                            | - |
| NEU100925             | 1/2" BSP        | 6                            | - |
| NEU100930             | 1/2" BSP        | 7                            | - |
| NEU100935             | 1/2" BSP        | 8                            | - |

## Placas base para válvulas neumáticas 5/2, 5/3

Subplates for pneumatic valves 5/2 &amp; 5/3

Plaques pour valves pneumatiques 5/2 et 5/3

Piastra di base per valvole pneumatiche 5/2, 5/3

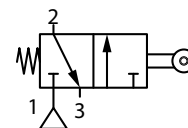


| Part n°<br>Referencia | THREAD<br>ROSCA | ELEMENTS NR.<br>N° ELEMENTOS | € |
|-----------------------|-----------------|------------------------------|---|
| NEU100940             | 1/8" BSP        | 2                            | - |
| NEU100945             | 1/8" BSP        | 3                            | - |
| NEU100950             | 1/8" BSP        | 4                            | - |
| NEU100955             | 1/8" BSP        | 5                            | - |
| NEU100960             | 1/8" BSP        | 6                            | - |
| NEU100965             | 1/8" BSP        | 7                            | - |
| NEU100970             | 1/8" BSP        | 8                            | - |
| NEU100975             | 1/4" BSP        | 2                            | - |
| NEU100980             | 1/4" BSP        | 3                            | - |
| NEU100985             | 1/4" BSP        | 4                            | - |
| NEU100990             | 1/4" BSP        | 5                            | - |
| NEU100995             | 1/4" BSP        | 6                            | - |
| NEU101000             | 1/4" BSP        | 7                            | - |
| NEU101005             | 1/4" BSP        | 8                            | - |
| NEU101010             | 3/8" BSP        | 2                            | - |
| NEU101015             | 3/8" BSP        | 3                            | - |
| NEU101020             | 3/8" BSP        | 4                            | - |
| NEU101025             | 3/8" BSP        | 5                            | - |
| NEU101030             | 3/8" BSP        | 6                            | - |
| NEU101035             | 3/8" BSP        | 7                            | - |
| NEU101040             | 3/8" BSP        | 8                            | - |
| NEU101045             | 1/2" BSP        | 2                            | - |
| NEU101050             | 1/2" BSP        | 3                            | - |
| NEU101055             | 1/2" BSP        | 4                            | - |
| NEU101060             | 1/2" BSP        | 5                            | - |
| NEU101065             | 1/2" BSP        | 6                            | - |
| NEU101070             | 1/2" BSP        | 7                            | - |
| NEU101075             | 1/2" BSP        | 8                            | - |



### Válvulas de rodillo 3/2 monoestable normalmente cerrada

Fixed roller 3/2 monostable normally closed  
Vannes à rouleau 3/2 monostable normalement fermée  
Valvola a rotella 3/2 monostabile N.C.

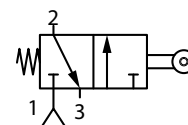


| Part n°<br>Referencia | THREAD<br>ROSCA | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|-----------------|----------------------------|---|
| NEU100370             | 1/8" BSP        | 3/2 Monostable NC          | - |



### Válvulas de rodillo bidireccional 3/2 monoestable normalmente cerrada

Fixed roller 3/2 monostable normally closed  
Vannes à rouleau bidirectionnel 3/2 monostable normalement fermée  
Valvola a rotella bidirezionale 3/2 monostabile N.C.

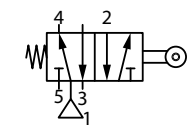


| Part n°<br>Referencia | THREAD<br>ROSCA | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|-----------------|----------------------------|---|
| NEU100375             | 1/8" BSP        | 3/2 Monostable N.C.        | - |
| NEU100380             | 1/4" BSP        | 3/2 Monostable N.C.        | - |



### Válvulas de rodillo bidireccional 5/2 monoestable

Fixed roller 5/2 monostable  
Vannes à rouleau bidirectionnel 5/2 monostable  
Valvola a rotella bidirezionale 5/2 monostabile

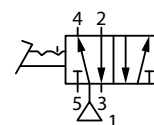


| Part n°<br>Referencia | THREAD<br>ROSCA | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|-----------------|----------------------------|---|
| NEU100390             | 1/8" BSP        | 5/2 Monostable             | - |
| NEU100395             | 1/4" BSP        | 5/2 Monostable             | - |



### Pedales neumáticos 5/2 biestable con protección

Pneumatic foot pedal 5/2 bistable with protection  
Pédales pneumatiques 5/2 bistable avec protection  
Pedali pneumatici 5/2 bistabili con protezione

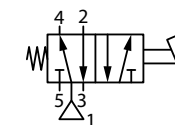


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| PC 1/4 B              | 1/4" BSP        | 12                                        | - |



### Pedales neumáticos 5/2 monoestable sin protección

Pneumatic foot pedal 5/2 monostable without protection  
Pédales pneumatiques monostable 5/2 sans protection  
Pedali pneumatici 5/2 monostabili senza protezione

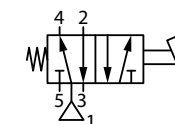


| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| PS 1/4                | 1/4" BSP        | 12                                        | - |



### Pedales neumáticos 5/2 monoestable con protección

Pneumatic foot pedal 5/2 monostable with protection  
Pédales pneumatiques 5/2 monostable avec protection  
Pedali pneumatici 5/2 monostabili con protezione



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESIÓN MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| PC 1/4 M              | 1/4" BSP        | 12                                        | - |

## VÁLVULAS DE MANIOBRA

Control valves  
Valves de manoeuvre  
Valvole di manovra

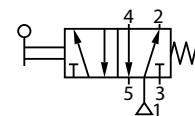
TrAle®

## Pedales eléctricos

Electric foot pedal  
Pédales électriques  
Interruttore a pedale

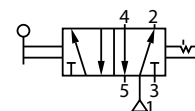
| Part n°<br>Referencia | Switch<br>Interrupor | € |
|-----------------------|----------------------|---|
| PML                   | 15 A - 220 VCA       | - |

## Válvulas con acc. palanca 5/2 monoestable

Manual pneumatic valve 5/2 monostable  
Vanne avec actionnement par levier 5/2 monostables  
Valvole ad azionamento a leva - 5/2 monostabile

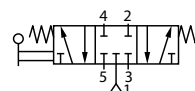
| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100505             | 1/8" BSP        | 8                                            | - |
| NEU100510             | 1/4" BSP        | 8                                            | - |
| NEU100515             | 3/8" BSP        | 8                                            | - |
| NEU100518             | 1/2" BSP        | 8                                            | - |

## Válvulas con acc. palanca 5/2 biestable

Manual pneumatic valve 5/2 bistable  
Vanne avec actionnement par levier 5/2 bistables  
Valvole ad azionamento a leva 5/2 bistabile

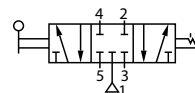
| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100520             | 1/8" BSP        | 8                                            | - |
| NEU100525             | 1/4" BSP        | 8                                            | - |
| NEU100530             | 3/8" BSP        | 8                                            | - |
| NEU100533             | 1/2" BSP        | 8                                            | - |

## Válvulas con acc. palanca 5/3 centro cerrado monoestable

Manual pneumatic valve 5/3 closed center monostable  
Vanne avec actionnement par levier 5/3 monostables  
Valvole ad azionamento a leva - 5/3 C.C monostabile

| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100535             | 1/8" BSP        | 8                                            | - |
| NEU100540             | 1/4" BSP        | 8                                            | - |
| NEU100545             | 3/8" BSP        | 8                                            | - |
| NEU100548             | 1/2" BSP        | 8                                            | - |

## Válvulas con acc. palanca 5/3 centro cerrado biestable

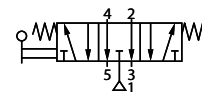
Manual pneumatic valve 5/3 closed center bistable  
Vanne avec actionnement par levier 5/3 centre fermé bistables  
Valvole ad azionamento a leva - 5/3 C.C bistabile

| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100565             | 1/8" BSP        | 8                                            | - |
| NEU100570             | 1/4" BSP        | 8                                            | - |
| NEU100575             | 3/8" BSP        | 8                                            | - |
| NEU100578             | 1/2" BSP        | 8                                            | - |



### Válvulas con acc. palanca 5/3 centro abierto monoestable

Manual pneumatic valve 5/3 open center monostable  
Vanne avec actionnement par levier 5/3 centre ouvert monostables  
Valvole ad azionamento a leva - 5/3 C.A monostabile

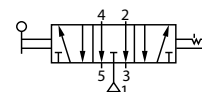


| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100550             | 1/8" BSP        | 8                                            | - |
| NEU100555             | 1/4" BSP        | 8                                            | - |
| NEU100560             | 3/8" BSP        | 8                                            | - |
| NEU100563             | 1/2" BSP        | 8                                            | - |



### Válvulas con acc. palanca 5/3 centro abierto biestable

Manual pneumatic valve 5/3 open center bistable  
Vanne avec actionnement par levier 5/3 centre ouvert bistables  
Valvole ad azionamento a leva - 5/3 C.A bistabile

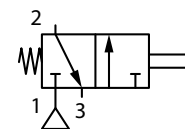


| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100580             | 1/8" BSP        | 8                                            | - |
| NEU100585             | 1/4" BSP        | 8                                            | - |
| NEU100590             | 3/8" BSP        | 8                                            | - |
| NEU100593             | 1/2" BSP        | 8                                            | - |



### Válvulas pulsador raso 3/2 normalmente cerrada

Shrouded push button 3/2 normally closed  
Vannes à poussoir court 3/2 normalement fermée  
Valvole a pulsante raso 3/2 NC

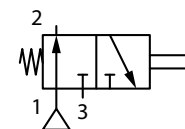


| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100260             | 1/8" BSP        | 8                                            | - |



### Válvulas pulsador raso 3/2 normalmente abierta

Shrouded push button 3/2 normally open  
Vannes à poussoir court 3/2 normalement ouverte  
Valvole a pulsante raso 3/2 NA



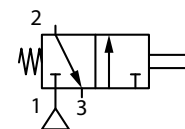
| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100270             | 1/8" BSP        | 8                                            | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento



### Válvulas pulsador raso 3/2 normalmente cerrada

Shrouded push button 3/2 normally closed  
Vannes à poussoir court 3/2 normalement fermée  
Valvole a pulsante raso 3/2 NC

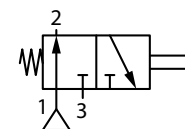


| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100280             | 1/4" BSP        | 8                                            | - |



### Válvulas pulsador raso 3/2 normalmente abierta

Shrouded push button 3/2 normally open  
Vannes à poussoir court 3/2 normalement ouverte  
Valvole a pulsante raso 3/2 NA



| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100290             | 1/8" BSP        | 8                                            | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento



## VÁLVULAS DE MANIOBRA

Control valves  
Valves de manoeuvre  
Valvole di manovra

TrAle®

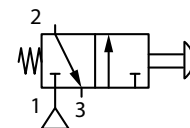


## Válvulas pulsador normal 3/2 normalmente cerrada

Push button 3/2 normally closed

Vannes à poussoir 3/2 normalement fermée

Valvole a pulsante standard 3/2 NC



| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100300             | 1/8" BSP        | 8                                            | - |

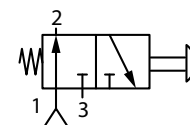


## Válvulas pulsador normal 3/2 normalmente abierta

Push button 3/2 normally open

Vannes à poussoir 3/2 normalement ouverte

Valvole a pulsante standard 3/2 NA



| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100305             | 1/8" BSP        | 8                                            | - |

Hasta fin de existencias / Until end of stock / Jusqu'à la fin du stock / Fino ad esaurimento

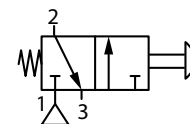


## Válvulas pulsador normal 3/2 normalmente cerrada

Push button 3/2 normally closed

Vannes à poussoir 3/2 normalement fermée

Valvole a pulsante standard 3/2 NC



| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100310             | 1/4" BSP        | 8                                            | - |

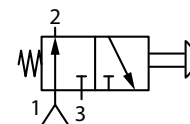


## Válvulas pulsador normal 3/2 normalmente abierta

Push button 3/2 normally open

Vannes à poussoir 3/2 normalement ouverte

Valvole a pulsante standard 3/2 NA



| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100315             | 1/4" BSP        | 8                                            | - |

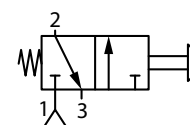


## Válvulas pulsador emergencia 3/2 normalmente cerrada

Head push button 3/2 normally closed

Vannes à poussoir d'urgence 3/2 normalement fermée

Valvole a pulsante di emergenza 3/2 NC



| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100320             | 1/8" BSP        | 8                                            | - |

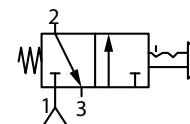


## Válvulas pulsador emergencia 3/2 biestable normalmente cerrada

Head push button 3/2 normally closed

Vannes à poussoir d'urgence 3/2 normalement fermée

Valvole a pulsante di emergenza 3/2 NC bistabile

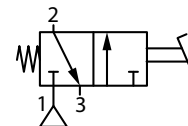


| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100330             | 1/8" BSP        | 8                                            | - |



### Válvulas selectoras palanca giratoria 3/2 biestable

Selector valves rotating lever 3/2 bistable  
Vannes sélectrices à levier tournant 3/2 bistable  
Valvole con selettore girevole 3/2 bistabile

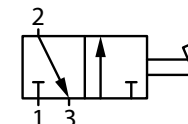


| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100340             | 1/8" BSP        | 8                                            | - |



### Válvulas selectoras palanca giratoria 3/2 biestable

Selector valves rotating lever 3/2 bistable  
Vannes sélectrices à levier tournant 3/2 bistable  
Valvole con selettore girevole 3/2 bistabile

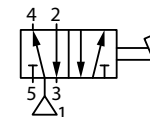


| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100345             | 1/8" BSP        | 8                                            | - |



### Válvulas selectoras palanca giratoria 5/2 biestable

Selector valves rotating lever 5/2 bistable  
Vannes sélectrices à levier tournant 5/2 bistable  
Valvole con selettore girevole 5/2 bistabile

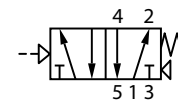


| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100350             | 1/8" BSP        | 8                                            | - |



### Válvulas con acc. neumático 5/2 monoestable

Pneumatic control valve 5/2 monoestable  
Vannes avec actionnement pneum.5/2 monostable  
Valvole ad azionamento pneumatico 5/2 monostabile

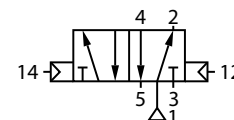


| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100000             | 1/8" BSP        | 8                                            | - |
| NEU100005             | 1/4" BSP        | 8                                            | - |
| NEU100010             | 3/8" BSP        | 8                                            | - |
| NEU100015             | 1/2" BSP        | 8                                            | - |



### Válvulas con acc. neumático 5/2 biestable

Pneumatic control valve 5/2 bistable  
Vannes avec actionnement pneum. 5/2 bistable  
Valvole ad azionamento pneumatico 5/2 bistabile

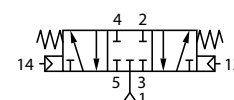


| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100020             | 1/8" BSP        | 8                                            | - |
| NEU100025             | 1/4" BSP        | 8                                            | - |
| NEU100030             | 3/8" BSP        | 8                                            | - |
| NEU100035             | 1/2" BSP        | 8                                            | - |



### Válvulas con acc. neumático 5/3 centro cerrado

Pneumatic control valve 5/3 closed center  
Vannes avec actionnement pneum. 5/3 centre fermé  
Valvole ad azionamento pneumatico 5/3 C.C



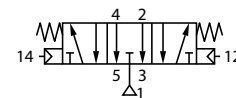
| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100040             | 1/8" BSP        | 8                                            | - |
| NEU100045             | 1/4" BSP        | 8                                            | - |
| NEU100050             | 1/2" BSP        | 8                                            | - |

## VÁLVULAS DE MANIOBRA

Control valves  
Valves de manoeuvre  
Valvole di manovra

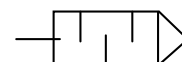
TrAie®

## Válvulas con acc. neumático 5/3 centro abierto

Pneumatic control valve 5/3 open center  
Vannes avec actionnement pneum. 5/3 centre ouvert  
Valvole ad azionamento pneumatico 5/3 C.A

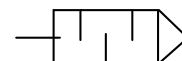
| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | € |
|-----------------------|-----------------|----------------------------------------------|---|
| NEU100055             | 1/8" BSP        | 8                                            | - |
| NEU100060             | 1/4" BSP        | 8                                            | - |
| NEU100065             | 1/2" BSP        | 8                                            | - |

## Silenciador bronce largo

Nickel-plated brass silencer (long)  
Silencieux en bronze long  
Silenziatore in ottone nickelato -lungo

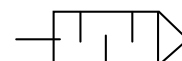
| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| SE 1/8                | 1/8" BSP        | - |
| SE 1/4                | 1/4" BSP        | - |
| SE 3/8                | 3/8" BSP        | - |
| SE 1/2                | 1/2" BSP        | - |

## Silenciador bronce corto

Nickel-plated brass silencer (short)  
Silencieux en bronze court  
Silenziatore in ottone nickelato -corto

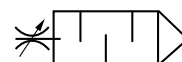
| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| SCQ 1/8               | 1/8" BSP        | - |
| SCQ 1/4               | 1/4" BSP        | - |
| SCQ 3/8               | 3/8" BSP        | - |
| SCQ 1/2               | 1/2" BSP        | - |

## Silenciador malla acero

Steel braid silencer  
Silencieux tresse acier  
Silenziatore in treccia di acciaio

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| SFE 1/8               | 1/8" BSP        | - |
| SFE 1/4               | 1/4" BSP        | - |
| SFE 3/8               | 3/8" BSP        | - |
| SFE 1/2               | 1/2" BSP        | - |

## Silenciador regulable

Regulator silencer  
Silencieux réglable  
Silenziatore regolabile

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| SVE 1/8               | 1/8" BSP        | 12                                        | - |
| SVE 1/4               | 1/4" BSP        | 12                                        | - |
| SVE 3/8               | 3/8" BSP        | 12                                        | - |
| SVE 1/2               | 1/2" BSP        | 12                                        | - |

# VÁLVULAS DE MANIOBRA

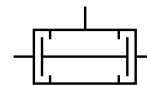
Control valves  
Valves de manoeuvre  
Valvole di manovra

COMPRESSED AIR  
TREATMENT



## Válvula de paso corredera 3 vías

Sleeve valves  
Vannes de passage tiroir 3 voies  
Valvola di chiusura scorrevole 3 vie BSP



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | € |
|-----------------------|-----------------|------------------------------------------|---|
| 6060 1/8              | 1/8" BSP        | 10                                       | - |
| 6060 1/4              | 1/4" BSP        | 10                                       | - |
| 6060 3/8              | 3/8" BSP        | 10                                       | - |
| 6060 1/2              | 1/2" BSP        | 10                                       | - |



## Grifo purga

Drain valve  
Robinet de purge  
Valvola di spurgo

| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| 16A 1/8               | 1/8" BSP        | - |
| 16A 1/4               | 1/4" BSP        | - |
| 16A 3/8               | 3/8" BSP        | - |
| 16A 1/2               | 1/2" BSP        | - |



## Nebulizador

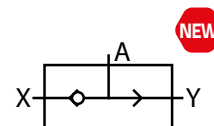
Nebulizer  
Brumificateur  
Nebulizzatore

| Part n°<br>Referencia | THREAD<br>ROSCA | WORK PRESSURE (bar)<br>PRESION TRABAJO (bar) | DETAILS<br>DETALLES | € |
|-----------------------|-----------------|----------------------------------------------|---------------------|---|
| NEU100501             | M5              | 3-8                                          | Cuadrado / Square   | - |



## Válvula Selectora Circuito

Pneumatic shuttle valve  
Valve pneumatique sélectrice à bille  
Circuito della valvola seletttrice



| Part n°<br>Referencia | THREAD<br>ROSCA | € |
|-----------------------|-----------------|---|
| NEU100502             | 1/8"            | - |
| NEU100503             | 1/4"            | - |
| NEU100504             | 3/8"            | - |

# VÁLVULAS NEUMÁTICAS EN LÍNEA

Pneumatic valves in line  
Valves pneumatiques en ligne  
Valvole pneumatiche in linea



## Válvula bola mini H-H

Mini ball valve female - female  
Robinet mini femelle - femelle  
Mini valvola a sfera F-F

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| 6300 1/8              | 1/8" BSP        | 20                                        | - |
| 6300 1/4              | 1/4" BSP        | 20                                        | - |
| 6300 3/8              | 3/8" BSP        | 20                                        | - |
| 6300 1/2              | 1/2" BSP        | 20                                        | - |



## Válvula bola mini M-H BSPT

Mini ball valve male - female BSPT  
Robinet mini mâle - femelle BSPT  
Mini valvola a sfera M-F BSPT

| Part n°<br>Referencia | MALE THREAD<br>ROSCA MACHO | FEMALE THREAD<br>ROSCA HEMBRA | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|----------------------------|-------------------------------|-------------------------------------------|---|
| 6310 1/8              | 1/8" BSPT                  | 1/8" BSP                      | 20                                        | - |
| 6310 1/4              | 1/4" BSPT                  | 1/4" BSP                      | 20                                        | - |
| 6310 3/8              | 3/8" BSPT                  | 3/8" BSP                      | 20                                        | - |
| 6310 1/2              | 1/2" BSPT                  | 1/2" BSP                      | 20                                        | - |



## Válvula bola mini hexagonal H-H

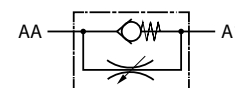
Mini ball valve female - female  
Robinet mini hexagonal femelle - femelle  
Mini valvola esagonale a sfera F-F

| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| 6065 1/8              | 1/8" BSP        | 20                                        | - |
| 6065 1/4              | 1/4" BSP        | 20                                        | - |
| 6065 3/8              | 3/8" BSP        | 20                                        | - |
| 6065 1/2              | 1/2" BSP        | 20                                        | - |



## Regulador flujo unidireccional

Unidirectional flow regulator  
Régulateur de débit unidirectionnel  
Regolatori di flusso unidirezionali



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| 8850 1/8              | 1/8" BSP        | 10                                        | - |
| 8850 1/4              | 1/4" BSP        | 10                                        | - |
| 8850 3/8              | 3/8" BSP        | 10                                        | - |
| 8850 1/2              | 1/2" BSP        | 10                                        | - |



## Regulador flujo bidireccional

Bidirectional flow regulator  
Régulateur de débit bidirectionnel  
Regolatori di flusso bidirezionali



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX. (bar) | € |
|-----------------------|-----------------|-------------------------------------------|---|
| 8860 1/8              | 1/8" BSP        | 10                                        | - |
| 8860 1/4              | 1/4" BSP        | 10                                        | - |
| 8860 3/8              | 3/8" BSP        | 10                                        | - |
| 8860 1/2              | 1/2" BSP        | 10                                        | - |

# VÁLVULAS NEUMÁTICAS EN LÍNEA

Pneumatic valves in line  
Valves pneumatiques en ligne  
Valvole pneumatiche in linea

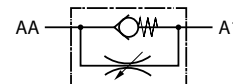


## Regulador flujo (regulación pomo)

Unidirectional flow restrictor valve (hand control)

Régulateur de débit unidirectionnel (contrôle manuel)

Regolatore di flusso (regolazione a pomello)



| Part n°<br>Referencia | PIPE<br>TUBO | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | € |
|-----------------------|--------------|-----------------|------------------------------------------|---|
| 8965 6/4 1/8          | 6/4 mm       | 1/8" BSP        | 10                                       | - |
| 8965 6/4 1/4          | 6/4 mm       | 1/4" BSP        | 10                                       | - |
| 8965 8/6 1/8          | 8/6 mm       | 1/8" BSP        | 10                                       | - |
| 8965 8/6 3/8          | 8/6 mm       | 3/8" BSP        | 10                                       | - |
| 8965 10/8 3/8         | 10/8 mm      | 3/8" BSP        | 10                                       | - |
| 8965 12/10 3/8        | 12/10 mm     | 3/8" BSP        | 10                                       | - |
| 8965 12/10 1/2        | 12/10 mm     | 1/2" BSP        | 10                                       | - |

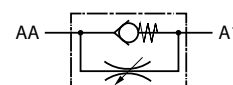


## Regulador flujo (regulación tornillo)

Unidirectional flow restrictor valve (screwdriver control)

Régulateur de débit unidirectionnel (contrôle tournevis)

Regolatore di flusso (regolazione a vite)



| Part n°<br>Referencia | PIPE<br>TUBO | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | € |
|-----------------------|--------------|-----------------|------------------------------------------|---|
| 8953 6 1/8            | 6/4 mm       | 1/8" BSP        | 10                                       | - |
| 8953 6 1/4            | 6/4 mm       | 1/4" BSP        | 10                                       | - |
| 8953 8 1/8            | 8/6 mm       | 1/8" BSP        | 10                                       | - |
| 8953 8 1/4            | 8/6 mm       | 1/4" BSP        | 10                                       | - |
| 8953 10 1/4           | 10/8 mm      | 1/4" BSP        | 10                                       | - |
| 8953 10 3/8           | 10/8 mm      | 3/8" BSP        | 10                                       | - |
| 8953 12 3/8           | 12/10 mm     | 3/8" BSP        | 10                                       | - |
| 8953 12 1/2           | 12/10 mm     | 1/2" BSP        | 10                                       | - |

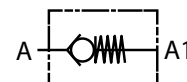


## Antirretorno H-H

Check valve valve female - female

Antiretour femelle - femelle

Valvola di ritegno in linea H-H



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | € |
|-----------------------|-----------------|------------------------------------------|---|
| 6062 1/8              | 1/8" BSP        | 8                                        | - |
| 6062 1/4              | 1/4" BSP        | 8                                        | - |
| 6062 3/8              | 3/8" BSP        | 8                                        | - |
| 6062 1/2              | 1/2" BSP        | 8                                        | - |

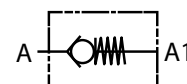


## Antirretorno H-H con membrana

Check valve valve female - female with membrane

Antiretour femelle - femelle avec membrane

Valvola di ritegno in linea H-H- con membrana



| Part n°<br>Referencia | THREAD<br>ROSCA | MAX. PRESSURE (bar)<br>PRESION MAX.(bar) | € |
|-----------------------|-----------------|------------------------------------------|---|
| 6036 3/8              | 3/8" BSP        | 15                                       | - |
| 6036 1/2              | 1/2" BSP        | 15                                       | - |
| 6036 3/4              | 3/4" BSP        | 15                                       | - |
| 6036 1                | 1" BSP          | 15                                       | - |

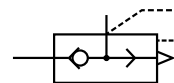
# VÁLVULAS NEUMÁTICAS EN LÍNEA

Pneumatic valves in line  
Valves pneumatiques en ligne  
Valvole pneumatiche in linea



## Válvula de escape rápido BSP

Quick exhaust valves  
Vannes d'échappement rapide  
Valvola di scarico rapido BSP

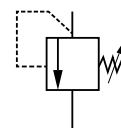


| Part n°<br>Referencia | THREAD<br>ROSCA | Max. Press. (bar)<br>Pres. max. (bar) | € |
|-----------------------|-----------------|---------------------------------------|---|
| 6050 1/8              | 1/8" BSP        | 10                                    | - |
| 6050 1/4              | 1/4" BSP        | 10                                    | - |
| 6050 3/8              | 3/8" BSP        | 10                                    | - |
| 6050 1/2              | 1/2" BSP        | 10                                    | - |



## Válvula seguridad regulable BSP

Adjustable relief valve  
Vannes de sécurité réglable  
Valvola di sicurezza regolabile BSP

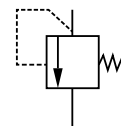


| Part n°<br>Referencia | THREAD<br>ROSCA | PRESSURE (Bar)<br>TARAJE (BAR) | € |
|-----------------------|-----------------|--------------------------------|---|
| VS 1/8 8-12           | 1/8" BSP        | 8 - 12                         | - |
| VS 1/8 13-16          | 1/8" BSP        | 13 - 16                        | - |
| VS 1/4 8-12           | 1/4" BSP        | 8 - 12                         | - |
| VS 1/4 13-16          | 1/4" BSP        | 13 - 16                        | - |
| VS 3/8 8-12           | 3/8" BSP        | 8 - 12                         | - |
| VS 3/8 13-16          | 3/8" BSP        | 13 - 16                        | - |
| VS 1/2 0.5-5          | 1/2" BSP        | 0,5 - 5                        | - |
| VS 1/2 8-12           | 1/2" BSP        | 8 - 12                         | - |
| VS 1/2 13-16          | 1/2" BSP        | 13 - 16                        | - |
| VS 3/4 8-12           | 3/4" BSP        | 8 - 12                         | - |
| VS 3/4 13-16          | 3/4" BSP        | 13 - 16                        | - |
| VS 1 8-12             | 1" BSP          | 8 - 12                         | - |
| VS 1 13-16            | 1" BSP          | 13 - 16                        | - |



## Válvula seguridad taraje fijo BSP

Relief valve  
Vannes de sécurité tarage fixe  
Valvola di sicurezza taratura fissa BSP



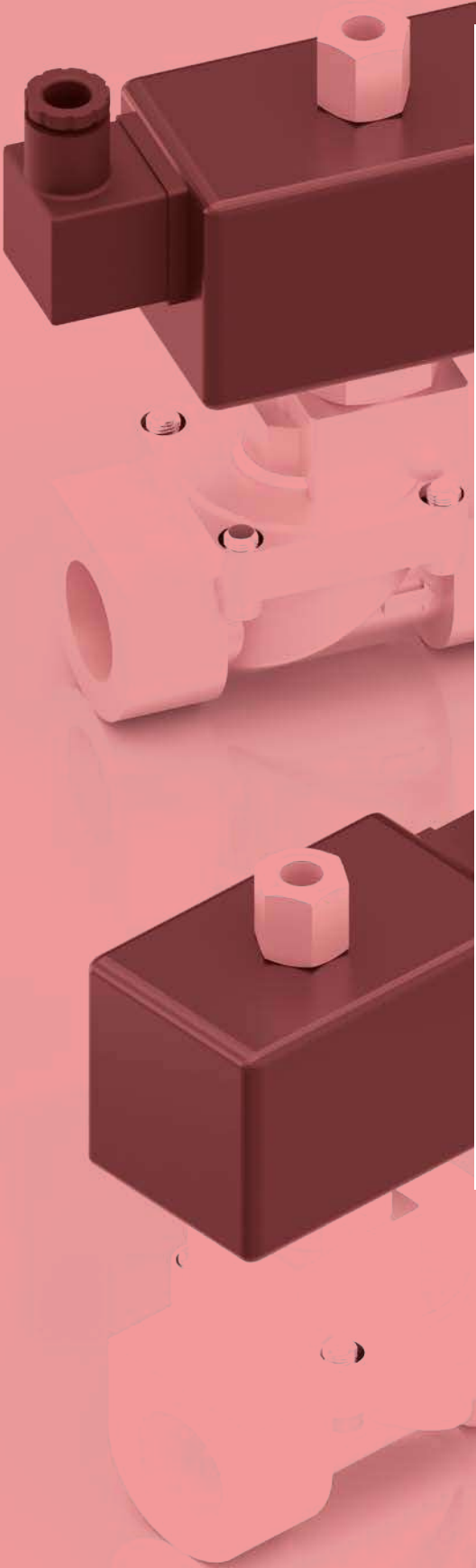
| Part n°<br>Referencia | THREAD<br>ROSCA | PRESSURE (Bar)<br>TARAJE (BAR) | € |
|-----------------------|-----------------|--------------------------------|---|
| VSN 1/8 10            | 1/8" BSP        | 10                             | - |
| VSN 1/8 12            | 1/8" BSP        | 12                             | - |
| VSN 1/4 8             | 1/4" BSP        | 8                              | - |
| VSN 1/4 10            | 1/4" BSP        | 10                             | - |
| VSN 1/4 12            | 1/4" BSP        | 12                             | - |
| VSN 1/4 15            | 1/4" BSP        | 15                             | - |
| VSN 3/8 8             | 3/8" BSP        | 8                              | - |
| VSN 3/8 10            | 3/8" BSP        | 10                             | - |
| VSN 3/8 12            | 3/8" BSP        | 12                             | - |
| VSN 3/8 15            | 3/8" BSP        | 15                             | - |
| VSN 1/2 8             | 1/2" BSP        | 8                              | - |
| VSN 1/2 10            | 1/2" BSP        | 10                             | - |
| VSN 1/2 12            | 1/2" BSP        | 12                             | - |
| VSN 1/2 15            | 1/2" BSP        | 15                             | - |
| VSN 3/4 8             | 3/4" BSP        | 8                              | - |
| VSN 3/4 10            | 3/4" BSP        | 10                             | - |
| VSN 3/4 12            | 3/4" BSP        | 12                             | - |
| VSN 3/4 15            | 3/4" BSP        | 15                             | - |
| VSN 1 8               | 1" BSP          | 8                              | - |
| VSN 1 10              | 1" BSP          | 10                             | - |
| VSN 1 12              | 1" BSP          | 12                             | - |
| VSN 1 15              | 1" BSP          | 15                             | - |



## **VÁLVULAS DE CORTE BAJA PRESIÓN**

**333**

Low pressure valves  
Vannes à clapet basse pression  
Valvole di chiusura bassa pressione



# 03

## **VÁLVULAS DE CORTE BAJA PRESIÓN**

Low pressure valves

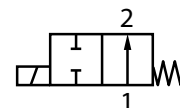
Vannes à clapet basse pression

Valvole bassa pressione



### Válvula corte baja presión con bobina normalmente abierta

Low pressure valve with solenoid normally open  
Vanne à clapet basse pression avec bobine normalement ouverte  
Valvola di chiusura bassa pressione NA con bobina



| Part n°<br>Referencia | THREAD<br>ROSCA | MÍN. PRESS. (bar)<br>PRESIÓN MIN. (bar) | VOLTAGE (V)<br>VOLTAJE (V) | AIR MAX. PRESSURE (bar)<br>PRESIÓN MAX. AIRE (bar) | € |
|-----------------------|-----------------|-----------------------------------------|----------------------------|----------------------------------------------------|---|
| VCBP14NA12CC          | 1/4" BSP        | 0                                       | 12 VDC                     | 15                                                 | - |
| VCBP38NA12CC          | 3/8" BSP        | 0,5                                     | 12 VDC                     | 8                                                  | - |
| VCBP12NA12CC          | 1/2" BSP        | 0,5                                     | 12 VDC                     | 8                                                  | - |
| VCBP34NA12CC          | 3/4" BSP        | 0,5                                     | 12 VDC                     | 8                                                  | - |
| VCBP1NA12CC           | 1" BSP          | 0,5                                     | 12 VDC                     | 8                                                  | - |
| VCBP14NA24CC          | 1/4" BSP        | 0                                       | 24 VDC                     | 15                                                 | - |
| VCBP38NA24CC          | 3/8" BSP        | 0,5                                     | 24 VDC                     | 8                                                  | - |
| VCBP12NA24CC          | 1/2" BSP        | 0,5                                     | 24 VDC                     | 8                                                  | - |
| VCBP34NA24CC          | 3/4" BSP        | 0,5                                     | 24 VDC                     | 8                                                  | - |
| VCBP1NA24CC           | 1" BSP          | 0,5                                     | 24 VDC                     | 8                                                  | - |
| VCBP14NA24CA          | 1/4" BSP        | 0                                       | 24 VAC                     | 15                                                 | - |
| VCBP38NA24CA          | 3/8" BSP        | 0,5                                     | 24 VAC                     | 8                                                  | - |
| VCBP12NA24CA          | 1/2" BSP        | 0,5                                     | 24 VAC                     | 8                                                  | - |
| VCBP34NA24CA          | 3/4" BSP        | 0,5                                     | 24 VAC                     | 8                                                  | - |
| VCBP1NA24CA           | 1" BSP          | 0,5                                     | 24 VAC                     | 8                                                  | - |
| VCBP14NA110CA         | 1/4" BSP        | 0                                       | 110 VAC                    | 15                                                 | - |
| VCBP38NA110CA         | 3/8" BSP        | 0,5                                     | 110 VAC                    | 8                                                  | - |
| VCBP12NA110CA         | 1/2" BSP        | 0,5                                     | 110 VAC                    | 8                                                  | - |
| VCBP34NA110CA         | 3/4" BSP        | 0,5                                     | 110 VAC                    | 8                                                  | - |
| VCBP1NA110CA          | 1" BSP          | 0,5                                     | 110 VAC                    | 8                                                  | - |
| VCBP14NA220CA         | 1/4" BSP        | 0                                       | 220 VAC                    | 15                                                 | - |
| VCBP38NA220CA         | 3/8" BSP        | 0,5                                     | 220 VAC                    | 8                                                  | - |
| VCBP12NA220CA         | 1/2" BSP        | 0,5                                     | 220 VAC                    | 8                                                  | - |
| VCBP34NA220CA         | 3/4" BSP        | 0,5                                     | 220 VAC                    | 8                                                  | - |
| VCBP1NA220CA          | 1" BSP          | 0,5                                     | 220 VAC                    | 8                                                  | - |

CONTROL VALVES

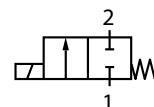
LOW PRESSURE VALVES

PNEUMATIC CYLINDERS



### Válvula corte baja presión con bobina normalmente cerrada

Low pressure valve with solenoid normally closed  
Vanne à clapet basse pression avec bobine normalement fermée  
Valvola di chiusura bassa pressione NC con bobina



| Part n°<br>Referencia | THREAD<br>ROSCA | MÍN. PRESS. (bar)<br>PRESIÓN MIN. (bar) | VOLTAGE (V)<br>VOLTAJE (V) | AIR MAX. PRESSURE (bar)<br>PRESIÓN MAX. AIRE (bar) | € |
|-----------------------|-----------------|-----------------------------------------|----------------------------|----------------------------------------------------|---|
| VCBP14NC12CC          | 1/4" BSP        | 0                                       | 12 VDC                     | 16                                                 | - |
| VCBP38NC12CC          | 3/8" BSP        | 0,5                                     | 12 VDC                     | 16                                                 | - |
| VCBP12NC12CC          | 1/2" BSP        | 0,5                                     | 12 VDC                     | 16                                                 | - |
| VCBP34NC12CC          | 3/4" BSP        | 0,5                                     | 12 VDC                     | 13                                                 | - |
| VCBP1NC12CC           | 1" BSP          | 0,5                                     | 12 VDC                     | 10                                                 | - |
| VCBP14NC24CC          | 1/4" BSP        | 0                                       | 24 VDC                     | 16                                                 | - |
| VCBP38NC24CC          | 3/8" BSP        | 0,5                                     | 24 VDC                     | 16                                                 | - |
| VCBP12NC24CC          | 1/2" BSP        | 0,5                                     | 24 VDC                     | 16                                                 | - |
| VCBP34NC24CC          | 3/4" BSP        | 0,5                                     | 24 VDC                     | 13                                                 | - |
| VCBP1NC24CC           | 1" BSP          | 0,5                                     | 24 VDC                     | 10                                                 | - |
| VCBP14NC24CA          | 1/4" BSP        | 0                                       | 24 VAC                     | 18                                                 | - |
| VCBP38NC24CA          | 3/8" BSP        | 0,5                                     | 24 VAC                     | 18                                                 | - |
| VCBP12NC24CA          | 1/2" BSP        | 0,5                                     | 24 VAC                     | 18                                                 | - |
| VCBP34NC24CA          | 3/4" BSP        | 0,5                                     | 24 VAC                     | 16                                                 | - |
| VCBP1NC24CA           | 1" BSP          | 0,5                                     | 24 VAC                     | 12                                                 | - |
| VCBP14NC110CA         | 1/4" BSP        | 0                                       | 110 VAC                    | 18                                                 | - |
| VCBP38NC110CA         | 3/8" BSP        | 0,5                                     | 110 VAC                    | 18                                                 | - |
| VCBP12NC110CA         | 1/2" BSP        | 0,5                                     | 110 VAC                    | 18                                                 | - |
| VCBP34NC110CA         | 3/4" BSP        | 0,5                                     | 110 VAC                    | 16                                                 | - |
| VCBP1NC110CA          | 1" BSP          | 0,5                                     | 110 VAC                    | 12                                                 | - |
| VCBP14NC220CA         | 1/4" BSP        | 0                                       | 220 VAC                    | 18                                                 | - |
| VCBP38NC220CA         | 3/8" BSP        | 0,5                                     | 220 VAC                    | 18                                                 | - |
| VCBP12NC220CA         | 1/2" BSP        | 0,5                                     | 220 VAC                    | 18                                                 | - |
| VCBP34NC220CA         | 3/4" BSP        | 0,5                                     | 220 VAC                    | 16                                                 | - |
| VCBP1NC220CA          | 1" BSP          | 0,5                                     | 220 VAC                    | 12                                                 | - |

# VÁLVULAS DE CORTE BAJA PRESIÓN

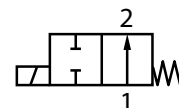
Low pressure valves  
Vannes à clapet basse pression  
Valvole di chiusura bassa pressione

TrAle®



## Válvula corte baja presión sin bobina normalmente abierta

Low pressure valve without solenoid normally open  
Vanne à clapet basse pression sans bobine normalement ouverte  
Valvola di chiusura bassa pressione NA senza bobina



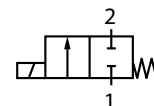
| Part n°<br>Referencia | THREAD<br>ROSCA | MÍN. PRESS. (bar)<br>PRESIÓN MÍN. (bar) | VAC MAX PRESSURE (Bar)<br>PRESIÓN MAX. VAC (bar) | VDC MAX PRESSURE (Bar)<br>PRESIÓN MAX. VDC (bar) | € |
|-----------------------|-----------------|-----------------------------------------|--------------------------------------------------|--------------------------------------------------|---|
| VCBP14NA              | 1/4" BSP*       | 0                                       | 16                                               | 10                                               | - |
| VCBP38NA              | 3/8" BSP        | 0,5                                     | 16                                               | 10                                               | - |
| VCBP12NA              | 1/2" BSP        | 0,5                                     | 16                                               | 10                                               | - |
| VCBP34NA              | 3/4" BSP        | 0,5                                     | 12                                               | 10                                               | - |
| VCBP1NA               | 1" BSP          | 0,5                                     | 12                                               | 18                                               | - |
| VCBP114NA             | 1"1/4 BSP       | 0,5                                     | 10                                               | 10                                               | - |
| VCBP112NA             | 1"1/2 BSP       | 0,5                                     | 10                                               | 10                                               | - |
| VCBP2NA               | 2" BSP          | 0,5                                     | 10                                               | 10                                               | - |

\*Consultar / \*Consult us / \*Consultez-nous / \*Su richiesta



## Válvula corte baja presión sin bobina normalmente cerrada

Low pressure valve without solenoid- normally closed  
Vanne à clapet basse pression sans bobine normalement fermée  
Valvola di chiusura bassa pressione NC senza bobina

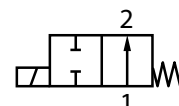


| Part n°<br>Referencia | THREAD<br>ROSCA | MÍN. PRESS. (bar)<br>PRESIÓN MÍN. (bar) | VAC MAX PRESSURE (Bar)<br>PRESIÓN MAX. VAC (bar) | VDC MAX PRESSURE (Bar)<br>PRESIÓN MAX. VDC (bar) | € |
|-----------------------|-----------------|-----------------------------------------|--------------------------------------------------|--------------------------------------------------|---|
| VCBP14NC              | 1/4" BSP        | 0                                       | 18                                               | 16                                               | - |
| VCBP38NC              | 3/8" BSP        | 0,5                                     | 18                                               | 16                                               | - |
| VCBP12NC              | 1/2" BSP        | 0,5                                     | 18                                               | 16                                               | - |
| VCBP34NC              | 3/4" BSP        | 0,5                                     | 16                                               | 13                                               | - |
| VCBP1NC               | 1" BSP          | 0,5                                     | 12                                               | 10                                               | - |
| VCBP114NC             | 1"1/4 BSP       | 0,5                                     | 10                                               | 10                                               | - |
| VCBP112NC             | 1"1/2 BSP       | 0,5                                     | 10                                               | 10                                               | - |
| VCBP2NC               | 2" BSP          | 0,5                                     | 10                                               | 10                                               | - |



## Válvulas corte baja presión INOX 316 normalmente abierta con bobina

316 S.S. Low pressure valve with solenoid normally open  
Vanne à clapet basse pression INOX 316 normalement ouverte avec bobine  
Valvole di chiusura bassa pressione NA con bobina INOX 316



| Part n°<br>Referencia | THREAD<br>ROSCA | MÍN. PRESS. (bar)<br>PRESIÓN MÍN. (bar) | VOLTAGE (V)<br>VOLTAJE (V) | AIR MAX. PRESSURE (bar)<br>PRESIÓN MAX. AIRE (bar) | € |
|-----------------------|-----------------|-----------------------------------------|----------------------------|----------------------------------------------------|---|
| Z VCBP14NA12CC        | 1/4" BSP        | 0                                       | 12 VDC                     | 20                                                 | - |
| Z VCBP38NA12CC        | 3/8" BSP        | 0,5                                     | 12 VDC                     | 13                                                 | - |
| Z VCBP12NA12CC        | 1/2" BSP        | 0,5                                     | 12 VDC                     | 13                                                 | - |
| Z VCBP14NA24CC        | 1/4" BSP        | 0                                       | 24 VDC                     | 20                                                 | - |
| Z VCBP38NA24CC        | 3/8" BSP        | 0,5                                     | 24 VDC                     | 13                                                 | - |
| Z VCBP12NA24CC        | 1/2" BSP        | 0,5                                     | 24 VDC                     | 13                                                 | - |
| Z VCBP14NA24CA        | 1/4" BSP        | 0                                       | 24 VAC                     | 20                                                 | - |
| Z VCBP38NA24CA        | 3/8" BSP        | 0,5                                     | 24 VAC                     | 13                                                 | - |
| Z VCBP12NA24CA        | 1/2" BSP        | 0,5                                     | 24 VAC                     | 20                                                 | - |
| Z VCBP14NA110CA       | 1/4" BSP        | 0                                       | 110 VAC                    | 20                                                 | - |
| Z VCBP38NA110CA       | 3/8" BSP        | 0,5                                     | 110 VAC                    | 13                                                 | - |
| Z VCBP12NA110CA       | 1/2" BSP        | 0,5                                     | 110 VAC                    | 16                                                 | - |
| Z VCBP14NA220CA       | 1/4" BSP        | 0                                       | 220 VAC                    | 13                                                 | - |
| Z VCBP38NA220CA       | 3/8" BSP        | 0,5                                     | 220 VAC                    | 13                                                 | - |
| Z VCBP12NA220CA       | 1/2" BSP        | 0,5                                     | 220 VAC                    | 13                                                 | - |

\*Consultar / On request / Sur demande / Su richiesta

Fichas técnicas disponibles en nuestra web / Technical data in our web

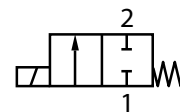


### Válvulas corte baja presión INOX 316 normalmente cerrada con bobina

316 S.S. Low pressure valve with solenoid normally closed

Vanne à clapet basse pression INOX 316 normalement fermée avec bobine

Valvole di chiusura bassa pressione NC con bobina INOX 316



| Part n°<br>Referencia | THREAD<br>ROSCA | MÍN. PRESS. (bar)<br>PRESIÓN MÍN. (bar) | VOLTAGE (V)<br>VOLTAJE (V) | AIR MAX. PRESSURE (bar)<br>PRESIÓN MAX. AIRE (bar) | € |
|-----------------------|-----------------|-----------------------------------------|----------------------------|----------------------------------------------------|---|
| Z VCBP14NC12CC        | 1/4" BSP        | 0                                       | 12 VDC                     | 10                                                 | - |
| Z VCBP38NC12CC        | 3/8" BSP        | 0,5                                     | 12 VDC                     | 16                                                 | - |
| Z VCBP12NC12CC        | 1/2" BSP        | 0,5                                     | 12 VDC                     | 16                                                 | - |
| Z VCBP14NC24CC        | 1/4" BSP        | 0                                       | 24 VDC                     | 10                                                 | - |
| Z VCBP38NC24CC        | 3/8" BSP        | 0,5                                     | 24 VDC                     | 16                                                 | - |
| Z VCBP12NC24CC        | 1/2" BSP        | 0,5                                     | 24 VDC                     | 16                                                 | - |
| Z VCBP14NC24CA        | 1/4" BSP        | 0                                       | 24 VAC                     | 18                                                 | - |
| Z VCBP38NC24CA        | 3/8" BSP        | 0,5                                     | 24 VAC                     | 16                                                 | - |
| Z VCBP12NC24CA        | 1/2" BSP        | 0,5                                     | 24 VAC                     | 16                                                 | - |
| Z VCBP14NC110CA       | 1/4" BSP        | 0                                       | 110 VAC                    | 10                                                 | - |
| Z VCBP38NC110CA       | 3/8" BSP        | 0,5                                     | 110 VAC                    | 16                                                 | - |
| Z VCBP12NC110CA       | 1/2" BSP        | 0,5                                     | 110 VAC                    | 16                                                 | - |
| Z VCBP14NC220CA       | 1/4" BSP        | 0                                       | 220 VAC                    | 10                                                 | - |
| Z VCBP38NC220CA       | 3/8" BSP        | 0,5                                     | 220 VAC                    | 16                                                 | - |
| Z VCBP12NC220CA       | 1/2" BSP        | 0,5                                     | 220 VAC                    | 16                                                 | - |

CONTROL VALVES

LOW PRESSURE VALVES

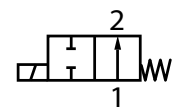


### Válvulas corte baja presión INOX 316 normalmente abierta sin bobina

316 S.S. Low pressure valve without solenoid normally open

Vanne à clapet basse pression INOX 316 normalement ouverte sans bobine

Valvole di chiusura bassa pressione NA senza bobina INOX 316



| Part n°<br>Referencia | THREAD<br>ROSCA | MÍN. PRESS. (bar)<br>PRESIÓN MÍN. (bar) | AIR MAX. PRESSURE (bar)<br>PRESIÓN MAX. AIRE (bar) | € |
|-----------------------|-----------------|-----------------------------------------|----------------------------------------------------|---|
| Z VCBP14NA            | 1/4" BSP        | 0                                       | 20                                                 | - |
| Z VCBP38NA            | 3/8" BSP        | 0,5                                     | 13                                                 | - |
| Z VCBP12NA            | 1/2" BSP        | 0,5                                     | 13                                                 | - |

PNEUMATIC CYLINDERS

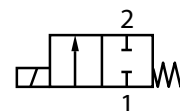


### Válvulas corte baja presión INOX 316 normalmente cerrada sin bobina

316 S.S. Low pressure valve without solenoid normally closed

Vanne à clapet basse pression INOX 316 normalement fermée sans bobine

Valvole di chiusura bassa pressione NC senza bobina INOX 316



| Part n°<br>Referencia | THREAD<br>ROSCA | MÍN. PRESS. (bar)<br>PRESIÓN MÍN. (bar) | AIR MAX. PRESSURE (bar)<br>PRESIÓN MAX. AIRE (bar) | € |
|-----------------------|-----------------|-----------------------------------------|----------------------------------------------------|---|
| Z VCBP14NC            | 1/4" BSP        | 0                                       | 10                                                 | - |
| Z VCBP38NC            | 3/8" BSP        | 0,5                                     | 16                                                 | - |
| Z VCBP12NC            | 1/2" BSP        | 0,5                                     | 16                                                 | - |

## VÁLVULAS DE CORTE BAJA PRESIÓN

Low pressure valves  
Vannes à clapet basse pression  
Valvole di chiusura bassa pressione

TrAle®



## Bobinas válvula corte

Solenoid

Bobines

Bobine

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCIÓN | € |
|-----------------------|----------------------------|---|
| C-12CC NC             | 12 VDC NC                  | - |
| C-24CC NC             | 24 VDC NC                  | - |
| C-220CA NC            | 220 VAC NC                 | - |
| C-24CA NC             | 24 VAC NC                  | - |
| C-110CA NC            | 110 VAC NC                 | - |
| C-12CC NA             | 12 VDC NO                  | - |
| C-24CC NA             | 24 VDC NO                  | - |
| C-220CA NA            | 220 VAC NO                 | - |
| C-24CA NA             | 24 VAC NO                  | - |
| C-110CA NA            | 110 VAC NO                 | - |

Incluye conector / Connector included / Avec connecteur / Compreso il connettore



## Conectores válvula corte

Connectors

Connecteurs

Conettori

| Part n°<br>Referencia | CONNECTOR<br>CONECTOR      | € |
|-----------------------|----------------------------|---|
| CONC1                 | CC/CA 21,5x28,8x41,2       | - |
| CONC3                 | Standard DIN43650 30x32x42 | - |

## Accesorios Membranas



Accessories

Accessoires

Accesori membrane

| Part n°<br>Referencia | Accessory Used in VCP valve<br>Accesorio usado en Válvulas VCP | € |
|-----------------------|----------------------------------------------------------------|---|
| MEMBRANAVCBP1         | VCBP1NA/VCBP1NC                                                | - |
| MEMBRANAVCBP12        | VCBP12NA/VCBP12NC                                              | - |
| MEMBRANAVCBP14        | VCBP14NA/VCBP14NC                                              | - |
| MEMBRANAVCBP34        | VCBP34NA/VCBP34NC                                              | - |
| MEMBRANAVCBP38        | VCBP38NA/VCBP38NC                                              | - |
| MEMBRANAZVCBP12       | VCBP38NA/VCBP38NC                                              | - |
| MEMBRANAZVCBP14       | VCBP38NA/VCBP38NC                                              | - |
| MEMBRANAZVCBP38       | VCBP38NA/Z VCBP38NC                                            | - |

# CONDUCCIONES NEUMÁTICAS

## PNEUMATIC CONNECTORS



*ESPIRAL · SPRING*

- POLIAMIDA · POLYAMIDE
- POLIUTERANO · POLYURETHANE



*RECTO · STRAIGHT (25/100 M/R)*

- POLIAMIDA · POLYAMIDE
- POLIUTERANO · POLYURETHANE
- PTFE

## MANGUERAS NEUMÁTICAS

*PNEUMATIC HOSES*



*AUTOMÁTICO  
PUSH-IN*



*CON ESPIGA  
WITH HOSE TAIL*



*PUSH-ON*



*ADAPTADORES  
ADAPTERS*

## RACORES NEUMÁTICOS

*PNEUMATIC FITTINGS*



*MIGNON*



*ISO 6150 B-12*



*MULTIPRESA*



*ESTO*

## ENCHUFES NEUMÁTICOS

*PNEUMATIC QUICK COUPLINGS*



**VER CATÁLOGO DE CONDUCCIONES HIDRÁULICAS Y NEUMÁTICAS**

SEE OUR HYDRAULIC AND PNEUMATIC CONNECTORS CATALOGUE





## **CILINDROS NEUMÁTICOS Y ACCESORIOS ISO 15552** **340**

Pneumatic cylinders and accessories ISO 15552

Vérins pneumatiques et accessoires ISO 15552

Cilindri Pneumatici e accessori ISO 15552

## **MICROCILINDROS NEUMÁTICOS Y ACCESORIOS ISO 6432** **346**

Pneumatic micro-cylinders and accessories ISO 6432

Micro-vérins pneumatiques et accessoires ISO 6432

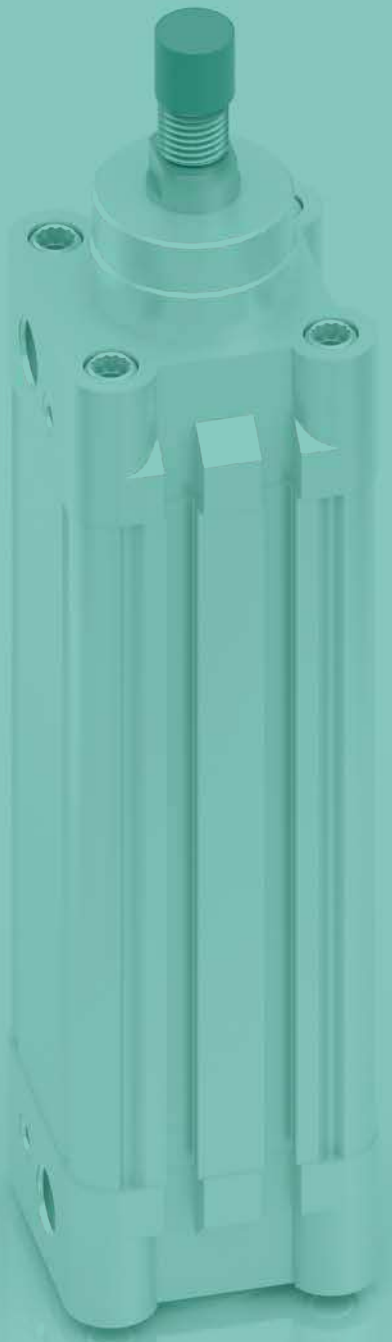
Microcilindri pneumatici e accessori ISO 6432

## **CILINDROS NEUMÁTICOS DOBLE EJE** **350**

Double rod pneumatic cylinders

Vérins pneumatiques double axe

Cilindri pneumatici a doppio stelo



# 04

## **CILINDROS NEUMÁTICOS**

Pneumatic cylinders

Vérins pneumatiques

Cilindri Pneumatici



# CILINDROS NEUMÁTICOS Y ACCESORIOS ISO 15552

Pneumatic cylinders and accessories ISO 15552

Vérins pneumatiques et accessoires ISO 15552

Cilindri Pneumatici e accessori ISO 15552

**TrAle®**

## Cilindros D.E. magnéticos ISO 15552 Ø32

Pneumatic cylinders D.A. ISO 15552 Ø32

Vérins pneumatiques D.E. magnétiques ISO 15552 Ø32

Cilindri D.E. magnetici ISO 15552 Ø32



| Part n°<br>Referencia | INTAKE THREAD<br>ROSCA TOMAS | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|------------------------------|-----------------------------|---|
| CNM0320025            | 1/8" BSP                     | 25                          | - |
| CNM0320050            | 1/8" BSP                     | 50                          | - |
| CNM0320075            | 1/8" BSP                     | 75                          | - |
| CNM0320080            | 1/8" BSP                     | 80                          | - |
| CNM0320100            | 1/8" BSP                     | 100                         | - |
| CNM0320150            | 1/8" BSP                     | 150                         | - |
| CNM0320160            | 1/8" BSP                     | 160                         | - |
| CNM0320200            | 1/8" BSP                     | 200                         | - |
| CNM0320250            | 1/8" BSP                     | 250                         | - |
| CNM0320300            | 1/8" BSP                     | 300                         | - |
| CNM0320350            | 1/8" BSP                     | 350                         | - |
| CNM0320400            | 1/8" BSP                     | 400                         | - |
| CNM0320450            | 1/8" BSP                     | 450                         | - |
| CNM0320500            | 1/8" BSP                     | 500                         | - |

## Cilindros D.E. magnéticos ISO 15552 Ø40

Pneumatic cylinders D.A. ISO 15552 Ø40

Vérins pneumatiques D.E. magnétiques ISO 15552 Ø40

Cilindri D.E. magnetici ISO 15552 Ø 40



| Part n°<br>Referencia | PORT THREAD<br>ROSCA TOMAS | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|----------------------------|-----------------------------|---|
| CNM0400025            | 1/4" BSP                   | 25                          | - |
| CNM0400050            | 1/4" BSP                   | 50                          | - |
| CNM0400075            | 1/4" BSP                   | 75                          | - |
| CNM0400100            | 1/4" BSP                   | 100                         | - |
| CNM0400125            | 1/4" BSP                   | 125                         | - |
| CNM0400150            | 1/4" BSP                   | 150                         | - |
| CNM0400160            | 1/4" BSP                   | 160                         | - |
| CNM0400200            | 1/4" BSP                   | 200                         | - |
| CNM0400250            | 1/4" BSP                   | 250                         | - |
| CNM0400300            | 1/4" BSP                   | 300                         | - |
| CNM0400320            | 1/4" BSP                   | 320                         | - |
| CNM0400350            | 1/4" BSP                   | 350                         | - |
| CNM0400400            | 1/4" BSP                   | 400                         | - |
| CNM0400450            | 1/4" BSP                   | 450                         | - |
| CNM0400500            | 1/4" BSP                   | 500                         | - |

## Cilindros D.E. magnéticos ISO 15552 Ø50

Pneumatic cylinders D.A. ISO 15552 Ø50

Vérins pneumatiques D.E. magnétiques ISO 15552 Ø50

Cilindri D.E. magnetici ISO 15552 Ø50



| Part n°<br>Referencia | PORT THREAD<br>ROSCA TOMAS | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|----------------------------|-----------------------------|---|
| CNM0500025            | 1/4" BSP                   | 25                          | - |
| CNM0500050            | 1/4" BSP                   | 50                          | - |
| CNM0500075            | 1/4" BSP                   | 75                          | - |
| CNM0500100            | 1/4" BSP                   | 100                         | - |
| CNM0500125            | 1/4" BSP                   | 125                         | - |
| CNM0500150            | 1/4" BSP                   | 150                         | - |
| CNM0500160            | 1/4" BSP                   | 160                         | - |
| CNM0500200            | 1/4" BSP                   | 200                         | - |
| CNM0500250            | 1/4" BSP                   | 250                         | - |
| CNM0500300            | 1/4" BSP                   | 300                         | - |
| CNM0500320            | 1/4" BSP                   | 320                         | - |
| CNM0500350            | 1/4" BSP                   | 350                         | - |
| CNM0500400            | 1/4" BSP                   | 400                         | - |

### Cilindros D.E. magnéticos ISO 15552 Ø63

Pneumatic cylinders D.A. ISO 15552 Ø63

Vérins pneumatiques D.E. magnétiques ISO 15552 Ø63

Cilindri D.E. magnetici ISO 15552 Ø63



| Part n°<br>Referencia | PORT THREAD<br>ROSCA TOMAS | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|----------------------------|-----------------------------|---|
| CNM0630025            | 3/8" BSP                   | 25                          | - |
| CNM0630050            | 3/8" BSP                   | 50                          | - |
| CNM0630075            | 3/8" BSP                   | 75                          | - |
| CNM0630100            | 3/8" BSP                   | 100                         | - |
| CNM0630125            | 3/8" BSP                   | 125                         | - |
| CNM0630150            | 3/8" BSP                   | 150                         | - |
| CNM0630160            | 3/8" BSP                   | 160                         | - |
| CNM0630200            | 3/8" BSP                   | 200                         | - |
| CNM0630250            | 3/8" BSP                   | 250                         | - |
| CNM0630300            | 3/8" BSP                   | 300                         | - |
| CNM0630320            | 3/8" BSP                   | 320                         | - |
| CNM0630350            | 3/8" BSP                   | 350                         | - |
| CNM0630400            | 3/8" BSP                   | 400                         | - |
| CNM0630450            | 3/8" BSP                   | 450                         | - |
| CNM0630500            | 3/8" BSP                   | 500                         | - |

### Cilindros D.E. magnéticos ISO 15552 Ø80

Pneumatic cylinders D.A. ISO 15552 Ø80

Vérins pneumatiques D.E. magnétiques ISO 15552 Ø80

Cilindri D.E. magnetici ISO 15552 Ø80



| Part n°<br>Referencia | PORT THREAD<br>ROSCA TOMAS | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|----------------------------|-----------------------------|---|
| CNM0800025            | 3/8" BSP                   | 25                          | - |
| CNM0800075            | 3/8" BSP                   | 75                          | - |
| CNM0800080            | 3/8" BSP                   | 80                          | - |
| CNM0800100            | 3/8" BSP                   | 100                         | - |
| CNM0800125            | 3/8" BSP                   | 125                         | - |
| CNM0800150            | 3/8" BSP                   | 150                         | - |
| CNM0800160            | 3/8" BSP                   | 160                         | - |
| CNM0800200            | 3/8" BSP                   | 200                         | - |
| CNM0800250            | 3/8" BSP                   | 250                         | - |
| CNM0800300            | 3/8" BSP                   | 300                         | - |
| CNM0800320            | 3/8" BSP                   | 320                         | - |
| CNM0800350            | 3/8" BSP                   | 350                         | - |
| CNM0800400            | 3/8" BSP                   | 400                         | - |
| CNM0800450            | 3/8" BSP                   | 450                         | - |
| CNM0800500            | 3/8" BSP                   | 500                         | - |

### Cilindros D.E. magnéticos ISO 15552 Ø125

Pneumatic cylinders D.A. ISO 15552 Ø125

Vérins pneumatiques D.E. magnétiques ISO 15552 Ø125

Cilindri D.E. magnetici ISO 15552 Ø125



| Part n°<br>Referencia | PORT THREAD<br>ROSCA TOMAS | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|----------------------------|-----------------------------|---|
| CNM1250025            | 1/2" BSP                   | 25                          | - |
| CNM1250050            | 1/2" BSP                   | 50                          | - |
| CNM1250075            | 1/2" BSP                   | 75                          | - |
| CNM1250080            | 1/2" BSP                   | 80                          | - |
| CNM1250100            | 1/2" BSP                   | 100                         | - |
| CNM1250125            | 1/2" BSP                   | 125                         | - |
| CNM1250150            | 1/2" BSP                   | 150                         | - |
| CNM1250160            | 1/2" BSP                   | 160                         | - |
| CNM1250200            | 1/2" BSP                   | 200                         | - |
| CNM1250250            | 1/2" BSP                   | 250                         | - |
| CNM1250300            | 1/2" BSP                   | 300                         | - |
| CNM1250320            | 1/2" BSP                   | 320                         | - |
| CNM1250350            | 1/2" BSP                   | 350                         | - |
| CNM1250450            | 1/2" BSP                   | 450                         | - |

# CILINDROS NEUMÁTICOS Y ACCESORIOS ISO 15552

Pneumatic cylinders and accessories ISO 15552

Vérins pneumatiques et accessoires ISO 15552

Cilindri Pneumatici e accessori ISO 15552

## Cilindros D.E. magnéticos ISO 15552 Ø160

Pneumatic cylinders D.A. ISO 15552 Ø160

Vérins pneumatiques D.E. magnétiques ISO 15552 Ø160

Cilindri D.E. magnetici ISO 15552 Ø160



| Part n°<br>Referencia | PORT THREAD<br>ROSCA TOMAS | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|----------------------------|-----------------------------|---|
| CNM1600025            | 3/4" BSP                   | 25                          | - |
| CNM1600080            | 3/4" BSP                   | 80                          | - |
| CNM1600100            | 3/4" BSP                   | 100                         | - |
| CNM1600125            | 3/4" BSP                   | 125                         | - |
| CNM1600160            | 3/4" BSP                   | 180                         | - |

## Cilindros D.E. magnéticos ISO 15552 Ø200

Pneumatic cylinders D.A. ISO 15552 Ø200

Vérins pneumatiques D.E. magnétiques ISO 15552 Ø200

Cilindri D.E. magnetici ISO 15552 Ø200



| Part n°<br>Referencia | PORT THREAD<br>ROSCA TOMAS | STROKE (mm)<br>CARRERA (mm) | € |
|-----------------------|----------------------------|-----------------------------|---|
| CNM2000025            | 3/4" BSP                   | 25                          | - |
| CNM2000050            | 3/4" BSP                   | 50                          | - |
| CNM2000080            | 3/4" BSP                   | 80                          | - |
| CNM2000100            | 3/4" BSP                   | 100                         | - |
| CNM2000125            | 3/4" BSP                   | 125                         | - |
| CNM2000160            | 3/4" BSP                   | 160                         | - |



### Charnela hembra para cilindro ISO 15552

Female pivot in steel ISO 15552

Articulation femelle pour vérin ISO 15552

Cerniera femmina cilindro ISO 15552

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| CHCN032               | 32mm                 | - |
| CHCN040               | 40mm                 | - |
| CHCN050               | 50mm                 | - |
| CHCN063               | 63mm                 | - |
| CHCN080               | 80mm                 | - |



### Charnela macho para cilindro ISO 15552

Male pivot in steel ISO 15552

Articulation mâle pour vérins ISO 15552

Cerniera maschio cilindro ISO 15552

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| CMCN032               | 32mm                 | - |
| CMCN040               | 40mm                 | - |
| CMCN050               | 50mm                 | - |
| CMCN063               | 63mm                 | - |
| CMCN080               | 80mm                 | - |
| CMCN100               | 100mm                | - |
| CMCN125               | 125mm                | - |



### Contra charnela para cilindro ISO 15552

Right angles joint in steel ISO 15552

Contre-chape pour vérins ISO 15552

Contro cerniera cilindro ISO 15552

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| CCCN032               | 32mm                 | - |
| CCCN040               | 40mm                 | - |
| CCCN050               | 50mm                 | - |
| CCCN063               | 63mm                 | - |
| CCCN080               | 80mm                 | - |



### Brida para cilindro ISO 15552

Front or rear flange in zinc-plated steel ISO 15552

Flasque pour vérins ISO 15552

Flangia per cilindro ISO 15552

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| BCN032                | 32mm                 | - |
| BCN040                | 40mm                 | - |
| BCN050                | 50mm                 | - |
| BCN063                | 63mm                 | - |
| BCN080                | 80mm                 | - |

# CILINDROS NEUMÁTICOS Y ACCESORIOS ISO 15552

Pneumatic cylinders and accessories ISO 15552

Vérins pneumatiques et accessoires ISO 15552

Cilindri Pneumatici e accessori ISO 15552

**TrAle®**



## Pata para cilindro ISO 15552

Foot mounting in zinc-plated steel ISO 15552

Pied pour vérins ISO 15552

Piedino basso per cilindro ISO 15552

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| PCN032                | 32mm                 | - |
| PCN040                | 40mm                 | - |
| PCN050                | 50mm                 | - |
| PCN063                | 63mm                 | - |
| PCN080                | 80mm                 | - |
| PCN100                | 100mm                | - |
| PCN125                | 125mm                | - |



## Horquilla para cilindro ISO 15552

Female rod clevis ISO 15552

Chape de tige pour vérins ISO 15552

Forcella femmina per cilindro ISO 15552

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| HCN032                | 32mm                 | - |
| HCN040                | 40mm                 | - |
| HCN050                | 50mm                 | - |
| HCN063                | 63mm                 | - |
| HCN080                | 80mm                 | - |
| HCN125                | 125mm                | - |



## Rótula para cilindro ISO 15552

Oscillating eye ISO 15552

Rotule pour vérin ISO 15552

Snodo sferico per cilindro ISO 15552

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| RCN032                | 32mm                 | - |
| RCN040                | 40mm                 | - |
| RCN050                | 50mm                 | - |
| RCN063                | 63mm                 | - |
| RCN080                | 80mm                 | - |



## Sensores para cilindro ISO 15552

Sensors for ISO 15552 pivot

Capteurs pour vérin ISO 15552

Sensori per cilindro ISO 15552

| Part n°<br>Referencia | DESCRIPTION<br>DESCRIPCION                              | VOLTAGE (V)<br>VOLTAGE (V) | € |
|-----------------------|---------------------------------------------------------|----------------------------|---|
| SENSORHX31R           | Tipo Reed Switch, 2 cables / Reed Switch type, 2 cables | 5-240V (DC / AC)           | - |
| SENSORHX31N           | Tipo NPN, 3 cables / NPN type, 3 cables                 | 5-30V (DC)                 | - |



**ISO 6432**

# **MICROCILINDROS NEUMÁTICOS Y ACCESORIOS**

## **PNEUMATIC MICROCYLINDERS AND ACCESSORIES**



**DOBLE EFECTO · DOUBLE ACTING**



**SIMPLE EFECTO · SINGLE ACTING**

### **ACCESORIOS · ACCESSORIES**



**CMCN**



**HMCN**



**RMCN**



**PMCN**



**BMCN**

**MICROCILINDROS NEUMÁTICOS Y ACCESORIOS ISO 6432**

Pneumatic micro-cylinders and accessories ISO 6432

Micro-vérins pneumatiques et accessoires ISO 6432

Microcilindri pneumatici e accessori ISO 6432

**TrAle®****Microcilindros D.E. magnéticos ISO 6432 Ø12**

Micro-cylinders D.A. ISO 6432 Ø12

Micro-vérins D.E. magnétiques ISO 6432 Ø12

Microcilindri D.E magnetici ISO 6432 Ø12



| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| MCDM12025             | 25                          | M5                     | - |
| MCDM12050             | 50                          | M5                     | - |
| MCDM12075             | 75                          | M5                     | - |
| MCDM12100             | 100                         | M5                     | - |
| MCDM12125             | 125                         | M5                     | - |
| MCDM12150             | 150                         | M5                     | - |
| MCDM12200             | 200                         | M5                     | - |
| MCDM12250             | 250                         | M5                     | - |
| MCDM12300             | 300                         | M5                     | - |
| MCDM12350             | 350                         | M5                     | - |
| MCDM12400             | 400                         | M5                     | - |

**Microcilindros D.E.magnéticos ISO 6432 Ø16**

Micro-cylinders D.A. ISO 6432 Ø16

Micro-vérins D.E. magnétiques ISO 6432 Ø16

Microcilindri D.E magnetici ISO 6432 Ø16



| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| MCDM16010             | 10                          | M5                     | - |
| MCDM16025             | 25                          | M5                     | - |
| MCDM16050             | 50                          | M5                     | - |
| MCDM16075             | 75                          | M5                     | - |
| MCDM16100             | 100                         | M5                     | - |
| MCDM16150             | 150                         | M5                     | - |
| MCDM16200             | 200                         | M5                     | - |
| MCDM16250             | 250                         | M5                     | - |
| MCDM16300             | 300                         | M5                     | - |
| MCDM16350             | 350                         | M5                     | - |
| MCDM16400             | 400                         | M5                     | - |

**Microcilindros D.E.magnéticos ISO 6432 Ø20**

Micro-cylinders D.A. ISO 6432 Ø20

Micro-vérins D.E. magnétiques ISO 6432 Ø20

Microcilindri D.E magnetici ISO 6432 Ø20



| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| MCDM20010             | 10                          | 1/8" BSP               | - |
| MCDM20025             | 25                          | 1/8" BSP               | - |
| MCDM20050             | 50                          | 1/8" BSP               | - |
| MCDM20075             | 75                          | 1/8" BSP               | - |
| MCDM20100             | 100                         | 1/8" BSP               | - |
| MCDM20125             | 125                         | 1/8" BSP               | - |
| MCDM20150             | 150                         | 1/8" BSP               | - |
| MCDM20200             | 200                         | 1/8" BSP               | - |
| MCDM20250             | 250                         | 1/8" BSP               | - |
| MCDM20300             | 300                         | 1/8" BSP               | - |
| MCDM20350             | 350                         | 1/8" BSP               | - |
| MCDM20400             | 400                         | 1/8" BSP               | - |

### Microcilindros D.E. magnéticos ISO 6432 Ø25

Micro-cylinders D.A. ISO 6432 Ø25

Micro-vérins D.E. magnétiques ISO 6432 Ø25

Microcilindri D.E magnetici ISO 6432 Ø25



| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| MCDM25010             | 10                          | 1/8" BSP               | - |
| MCDM25025             | 25                          | 1/8" BSP               | - |
| MCDM25050             | 50                          | 1/8" BSP               | - |
| MCDM25075             | 75                          | 1/8" BSP               | - |
| MCDM25100             | 100                         | 1/8" BSP               | - |
| MCDM25125             | 125                         | 1/8" BSP               | - |
| MCDM25150             | 150                         | 1/8" BSP               | - |
| MCDM25200             | 200                         | 1/8" BSP               | - |
| MCDM25250             | 250                         | 1/8" BSP               | - |
| MCDM25300             | 300                         | 1/8" BSP               | - |
| MCDM25350             | 350                         | 1/8" BSP               | - |
| MCDM25400             | 400                         | 1/8" BSP               | - |

**MICROCILINDROS NEUMÁTICOS Y ACCESORIOS ISO 6432**

Pneumatic micro-cylinders and accessories ISO 6432

Micro-vérins pneumatiques et accessoires ISO 6432

Microcilindri pneumatici e accessori ISO 6432

**TrAle®****Microcilindros S.E. magnéticos ISO 6432 Ø12**

Micro-cylinders S.A. ISO 6432 Ø12

Micro-vérins S.E. magnétiques ISO 6432 Ø12

Microcilindri S.E magnetici ISO 6432 Ø12



| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| MCSM12010             | 10                          | M5                     | - |
| MCSM12025             | 25                          | M5                     | - |
| MCSM12050             | 50                          | M5                     | - |

**Microcilindros S.E. magnéticos ISO 6432 Ø16**

Micro-cylinders S.A. ISO 6432 Ø16

Micro-vérins S.E. magnétiques ISO 6432 Ø16

Microcilindri S.E magnetici ISO 6432 Ø16



| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| MCSM16010             | 10                          | M5                     | - |
| MCSM16025             | 25                          | M5                     | - |
| MCSM16050             | 50                          | M5                     | - |
| MCSM16075             | 75                          | M5                     | - |
| MCSM16100             | 100                         | M5                     | - |
| MCSM16150             | 150                         | M5                     | - |

**Microcilindros S.E. magnéticos ISO 6432 Ø20**

Micro-cylinders S.A. ISO 6432 Ø20

Micro-vérins S.E. magnétiques ISO 6432 Ø20

Microcilindri S.E magnetici ISO 6432 Ø20



| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| MCSM20010             | 10                          | 1/8" BSP               | - |
| MCSM20025             | 25                          | 1/8" BSP               | - |
| MCSM20050             | 50                          | 1/8" BSP               | - |
| MCSM20075             | 75                          | 1/8" BSP               | - |
| MCSM20100             | 100                         | 1/8" BSP               | - |
| MCSM20150             | 150                         | 1/8" BSP               | - |

**Microcilindros S.E. magnéticos ISO 6432 Ø25**

Micro-cylinders S.A. ISO 6432 Ø25

Micro-vérins S.E. magnétiques ISO 6432 Ø25

Microcilindri S.E magnetici ISO 6432 Ø25



| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| MCSM25010             | 10                          | 1/8" BSP               | - |
| MCSM25025             | 25                          | 1/8" BSP               | - |
| MCSM25050             | 50                          | 1/8" BSP               | - |
| MCSM25075             | 75                          | 1/8" BSP               | - |
| MCSM25100             | 100                         | 1/8" BSP               | - |
| MCSM25150             | 150                         | 1/8" BSP               | - |



### Patas para microcilindro

Foot mounting for micro-cylinders

Jambes pour micro-vérins

Piedino per microcilindro

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| PMCN12                | 12mm                 | - |
| PMCN16                | 16mm                 | - |
| PMCN20                | 20mm                 | - |
| PMCN25                | 25mm                 | - |



### Charnelas para microcilindro

Rear pivot mounting for micro-cylinders

Articulation pour micro-vérins

Cerniera per microcilindro

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| CMCN12                | 12mm                 | - |
| CMCN16                | 16mm                 | - |
| CMCN20                | 20mm                 | - |
| CMCN25                | 25mm                 | - |



### Horquillas para microcilindro

Rod clevis for micro-cylinders

Chape de tige pour micro-vérins

Forcella femmina per microcilindro

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| HMCN12                | 12mm                 | - |
| HMCN16                | 16mm                 | - |
| HMCN20                | 20mm                 | - |
| HMCN25                | 25mm                 | - |



### Rótulas para microcilindro

Oscillating clevis for micro-cylinders

Rotules pour micro-vérins

Snodo sferico per microcilindro

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| RMCN12                | 12mm                 | - |
| RMCN16                | 16mm                 | - |
| RMCN20                | 20mm                 | - |
| RMCN25                | 25mm                 | - |



### Bridas para microcilindro

Flange mounting for micro-cylinders

Flasque pour micro-vérins

Flangia per microcilindro

| Part n°<br>Referencia | CYLINDER<br>CILINDRO | € |
|-----------------------|----------------------|---|
| BMCN12                | 12mm                 | - |
| BMCN16                | 16mm                 | - |
| BMCN20                | 20mm                 | - |
| BMCN25                | 25mm                 | - |

# CILINDROS NEUMÁTICOS DOBLE EJE

Double rod pneumatic cylinders  
Vérins pneumatiques double axe  
Cilindri pneumatici a doppio stelo

**TrAle®**

## Cilindros neumáticos doble efecto, doble eje Ø10

double rod, D.A. pneumatic cylinders Ø10  
Vérins pneumatiques D.E. double arbre Ø10  
Cilindri pneumatici doppio effetto, a doppio stelo Ø10

| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| CNDEM1010             | 10                          | M5                     | - |
| CNDEM1020             | 20                          | M5                     | - |
| CNDEM1025             | 25                          | M5                     | - |
| CNDEM1030             | 30                          | M5                     | - |
| CNDEM1040             | 40                          | M5                     | - |
| CNDEM1050             | 50                          | M5                     | - |
| CNDEM1060             | 60                          | M5                     | - |
| CNDEM1070             | 70                          | M5                     | - |
| CNDEM1075             | 75                          | M5                     | - |
| CNDEM1080             | 80                          | M5                     | - |
| CNDEM1090             | 90                          | M5                     | - |
| CNDEM10100            | 100                         | M5                     | - |



## Cilindros neumáticos doble efecto, doble eje Ø16

double rod, D.A. pneumatic cylinders Ø16  
Vérins pneumatiques D.E. double arbre Ø16  
Cilindri pneumatici doppio effetto, a doppio stelo Ø16

| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| CNDEM1610             | 10                          | M5                     | - |
| CNDEM1620             | 20                          | M5                     | - |
| CNDEM1625             | 25                          | M5                     | - |
| CNDEM1630             | 30                          | M5                     | - |
| CNDEM1640             | 40                          | M5                     | - |
| CNDEM1650             | 50                          | M5                     | - |
| CNDEM1660             | 60                          | M5                     | - |
| CNDEM1670             | 70                          | M5                     | - |
| CNDEM1675             | 75                          | M5                     | - |
| CNDEM1680             | 80                          | M5                     | - |
| CNDEM1690             | 90                          | M5                     | - |
| CNDEM16100            | 100                         | M5                     | - |
| CNDEM16125            | 125                         | M5                     | - |
| CNDEM16150            | 150                         | M5                     | - |



## Cilindros neumáticos doble efecto, doble eje Ø20

double rod, D.A. pneumatic cylinders Ø20  
Vérins pneumatiques D.E. double arbre Ø20  
Cilindri pneumatici doppio effetto, a doppio stelo Ø20

| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| CNDEM2010             | 10                          | M5                     | - |
| CNDEM2020             | 20                          | M5                     | - |
| CNDEM2025             | 25                          | M5                     | - |
| CNDEM2030             | 30                          | M5                     | - |
| CNDEM2040             | 40                          | M5                     | - |
| CNDEM2050             | 50                          | M5                     | - |
| CNDEM2060             | 60                          | M5                     | - |
| CNDEM2070             | 70                          | M5                     | - |
| CNDEM2075             | 75                          | M5                     | - |
| CNDEM2080             | 80                          | M5                     | - |
| CNDEM2090             | 90                          | M5                     | - |
| CNDEM20100            | 100                         | M5                     | - |
| CNDEM20125            | 125                         | M5                     | - |
| CNDEM20150            | 150                         | M5                     | - |



### Cilindros neumáticos doble efecto, doble eje Ø25

double rod, D.A. pneumatic cylinders Ø25

Vérins pneumatiques D.E. double arbre Ø25

Cilindri pneumatici doppio effetto, a doppio stelo Ø25

| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| CNDEM2510             | 10                          | 1/8" BSP               | - |
| CNDEM2520             | 20                          | 1/8" BSP               | - |
| CNDEM2525             | 25                          | 1/8" BSP               | - |
| CNDEM2530             | 30                          | 1/8" BSP               | - |
| CNDEM2540             | 40                          | 1/8" BSP               | - |
| CNDEM2550             | 50                          | 1/8" BSP               | - |
| CNDEM2560             | 60                          | 1/8" BSP               | - |
| CNDEM2570             | 70                          | 1/8" BSP               | - |
| CNDEM2575             | 75                          | 1/8" BSP               | - |
| CNDEM2580             | 80                          | 1/8" BSP               | - |
| CNDEM2590             | 90                          | 1/8" BSP               | - |
| CNDEM25100            | 100                         | 1/8" BSP               | - |
| CNDEM25125            | 125                         | 1/8" BSP               | - |
| CNDEM25150            | 150                         | 1/8" BSP               | - |

CONTROL VALVES

LOW PRESSURE VALVES



### Cilindros neumáticos doble efecto, doble eje Ø32

double rod, D.A. pneumatic cylinders Ø32

Vérins pneumatiques D.E. double arbre Ø32

Cilindri pneumatici doppio effetto, a doppio stelo Ø32

| Part n°<br>Referencia | STROKE (mm)<br>CARRERA (mm) | PORTS A-B<br>TOMAS A-B | € |
|-----------------------|-----------------------------|------------------------|---|
| CNDEM3210             | 10                          | 1/8" BSP               | - |
| CNDEM3220             | 20                          | 1/8" BSP               | - |
| CNDEM3225             | 25                          | 1/8" BSP               | - |
| CNDEM3230             | 30                          | 1/8" BSP               | - |
| CNDEM3240             | 40                          | 1/8" BSP               | - |
| CNDEM3250             | 50                          | 1/8" BSP               | - |
| CNDEM3260             | 60                          | 1/8" BSP               | - |
| CNDEM3270             | 70                          | 1/8" BSP               | - |
| CNDEM3275             | 75                          | 1/8" BSP               | - |
| CNDEM3280             | 80                          | 1/8" BSP               | - |
| CNDEM3290             | 90                          | 1/8" BSP               | - |
| CNDEM32100            | 100                         | 1/8" BSP               | - |
| CNDEM32125            | 125                         | 1/8" BSP               | - |
| CNDEM32150            | 150                         | 1/8" BSP               | - |

PNEUMATIC CYLINDERS



# General conditions of sale

## Condiciones de venta

### GENERAL TERMS

These conditions, together with the eventual specific conditions accorded in the contract, apply to all deliveries and all services. The purchase conditions of the customer, if different from those herein established, will not be part of the contract on having accepted the order.

The contracts are concluded, unless otherwise agreed upon by the Parties in writing, by means of written confirmation of the supplier. The General Conditions and / or Specific Conditions of Purchase of the Buyer, cannot, in no case, cancel or replace these General Conditions of Sale.

The acceptance of our offers implies tacitly the acceptance of all the conditions detailed herein, except the special ones that have the agreement in writing, particularly in the same offer or detailed in our accuse of receipt of order, the only documents that oblige us before the Customer. DICSА has the right of property and the right of intellectual property of samples, budgets, technical documentation and information in material or immaterial form as well as in electronic form; the access of third parties to these documents must be forbidden.

### OFFERS AND ORDERS

Except in case of having expressed the opposite, the prices include the merchandise placed in our store, including its loading, but without including the packing nor the transport to the place of receipt, nor taxes, nor the getting started - these will always be at the expense of the customer. All the operations of transport, insurance, handling and delivery are on the account and risk of the Customer.

The offers include only the materials and products expressed in them, available in stock until end of stock, with the term of validity expressed in the same offers.

The studies or offers of material are based on the prices on the date the offer was made, and if, due to changes in the cost of the materials, modification of duties or to any other reason, the level of prices was checked, the prices that would be applied would be those that apply in the date of the delivery, unless the offer is accepted in the term of validity expressed in it.

The prices do not include, unless specific notification, the assembly and the getting started of the supplied materials, the fluids recommended by the technical services of the suppliers, the containers of the materials, as well as the study of the setting up of the different materials. DICSА may change the price, as a consequence of any law that concerns materials, wages, or the working hours, but also as a consequence of probable changes in the parity of the currency since it concerns the elements of import.

The orders will not be taken in consideration unless they are provided with the specific amount in our account, foreseen in our Offer, if this condition has been pre-established. The acceptance of the Offer will suppose equally the acceptance without reserve of these General Conditions of Sale.

### STUDIES, TECHNICAL DOCUMENTATION

The information related to the offer, as technical documentation, designs, drawings, catalogues and / or any other technical documentation, is only informative and they have as object to give a general image of the materials described in them, they do not form a part of the contract unless written agreement. DICSА will not accept any type of responsibility for inaccuracy or omission of the above mentioned documentation.

The Customer will always have to do a previous study of compatibility and of assembly of the elements in his installation and will be the only responsible for the putting in conformity of the above mentioned installation with the current regulations. In offers, drawings, schemes and other technical information, we reserve ourselves the right of property and of design, not allowing that these should be facilitated to third parties without our previous written assent.

DICSА retains the property of the supplied merchandise until full payment of the agreed price. DICSА also retains the property of the Product's project, which in no circumstances shall be disclosed or sold to third parties.

### THE ASSEMBLIES AT THE LOCATION (PLANT) OF THE CUSTOMER

The offers of the assemblies done for the customer, in his elected location of work, are considered as an estimate (approximate calculation), due to the particular and special characteristics that they can represent, not being able to give place, except final agreement between the parts, to final prices.

### REPAIRMENT

The works of repair will not begin until written acceptance, on the part of the Customer, of the offer and of the conditions established in it. Supposing that the offer is not accepted by the Customer within one month, the expenses derived from the disassembly, storage, survey and freightage will be chargeable to the Customer. If the Customer requests the repair before accepting the offer, the assemblies will be carried out as soon as possible and, for his part, the Customer will have to accept the final cost of the repair.

In case of delivery of new products in exchange for the repair, if this one was out of guarantee, the Customer will have to accept the payment corresponding to it. The budgets of repair are always as estimation and should not be considered as final prices.

### GENERALIDADES

*Estas condiciones así como las eventuales condiciones especiales acordadas en el contrato rigen para todas las entregas y todas las prestaciones. Las condiciones de compra del cliente que sean distintas a las aquí establecidas no llegarán a formar parte del contrato al aceptar el pedido. Los contratos se celebran, salvo en el caso de que se haya acordado lo contrario, mediante confirmación escrita del proveedor. En ningún caso, las Condiciones Generales y/o Específicas de Compra del Comprador, anularán o sustituirán estas Condiciones Generales de Venta.*

*La aceptación de nuestras ofertas implica tácitamente la de todas las condiciones aquí detalladas, salvo las especiales acordadas por escrito, particularmente en la misma Oferta o detalladas en nuestro accuse de recepción de pedido, únicos documentos que nos obligan ante el Cliente.*

*DICSА se reserva el derecho de propiedad y el derecho de propiedad intelectual de muestras, presupuestos, planos e información en forma material o inmaterial así como en forma electrónica; el acceso de terceros a éstos ha de impedirse.*

### OFERTAS Y PEDIDOS

*Los precios se entienden, caso de no expresar lo contrario para mercadería situada en nuestro almacén, incluyendo el cargado de ésta, pero sin incluir el embalaje ni el transporte al lugar de recepción, ni impuestos –que serán siempre a cargo del comprador–, así como tampoco la puesta en marcha en el emplazamiento. Todas las operaciones de transporte, seguro, manutención y entrega son a cuenta y riesgo del Comprador.*

*Las ofertas incluyen solamente los materiales y artículos en ellas especificados disponibles en stock salvo agotamiento y por el plazo de validez determinado en las mismas.*

*Los estudios u ofertas de material están basados en los precios vigentes en la fecha de su realización, y si, debido a alteraciones en el coste de los materiales, modificación de aranceles o a cualquier otra causa, el nivel de precios fuese revisado, los precios que se aplicarían serían aquellos que rijan en la fecha del suministro, a menos que la oferta sea aceptada dentro del plazo de validez que en la misma se fije.*

*Los precios no incluyen, excepto notificación expresa, el montaje y la puesta en marcha de los materiales suministrados, los fluidos recomendados por los servicios técnicos de los fabricantes, los contenedores tanto rígidos como elásticos de los materiales, así como el estudio de implantación de los distintos materiales.*

*DICSА podrá variar el precio, como consecuencia de cualquier ley que afecte a materiales, salarios o a las horas de trabajo y también a posible cambios en la paridad de la moneda, en elementos de importación.*

*Los pedidos no serán tomados en consideración a menos que vengan acompañados de la cantidad a cuenta prevista en nuestra Oferta, si así se ha establecido.*

*La aceptación de la Oferta supondrá igualmente la aceptación sin reservas de estas Condiciones Generales de Venta.*

### ESTUDIOS, PLANOS Y DISEÑOS

*La información relacionada con la oferta, tal como planos, diseños, dibujos catálogos y/u otra documentación técnica, es solamente informativa y tienen como objeto dar una imagen general de los materiales en ellos descritos, no formando parte del contrato a menos que haya habido algún acuerdo por escrito. DICSА no aceptará ningún tipo de responsabilidad por la inexactitud u omisión de dicha documentación.*

*El Cliente deberá hacer siempre un estudio previo de compatibilidad y de montaje de los elementos en su instalación y será el único responsable de la puesta en conformidad de dicha instalación con las distintas reglamentaciones vigentes.*

*En presupuestos, planos, esquemas y otras informaciones técnicas, mantendremos reservado el derecho de propiedad y de realización, no permitiendo que estos sean facilitados a terceros sin nuestro previo consentimiento escrito.*

*DICSА se reserva el derecho de propiedad de la mercancía suministrada hasta el pago completo del precio establecido. DICSА se reserva el derecho de propiedad de los planos de la mercancía, que no serán facilitados ni vendidos a terceros en ningún caso.*

### TRABAJOS IN SITU

*Los presupuestos de los trabajos realizados en el lugar de la obra del cliente son considerados orientativos, debido a las características particulares y especiales que pueden representar, no pudiendo dar lugar, excepto acuerdo definitivo entre las partes, en precios definitivos.*

### REPARACIÓN

*Los trabajos de reparación no se empezarán hasta la aceptación escrita, por parte del Cliente, del presupuesto y de las condiciones que se establezcan.*

*En el supuesto de que el presupuesto no sea aceptado por el Cliente en el plazo de un mes, los gastos derivados del desmontaje, almacenaje, peritaje y portes correrán a cargo del Cliente. Si el Cliente solicita la reparación antes de aceptar el presupuesto, los trabajos se llevarán a cabo lo antes posible y, por su parte, el Cliente deberá aceptar el coste final de la reparación.*

# General conditions of sale

## Condiciones de venta

### DELIVERY TERMS

DICSA saves itself the right to reject an order depending on the availability of the products. In this supposition, DICSA will communicate it to the Customer as promptly as possible.

The delivery time has to be approved by the contractual parts. The delivery time will be calculated from the date of receipt of the confirmation of the order, when DICSA will be able to proceed without any interruption. DICSA will not be responsible for the delays in the supply of all or in part of the goods in case of major force, such as natural catastrophes, legal limitations, strikes, etc., or any other reason beyond our control. In case of any of the reasons previously mentioned, the period of delivery will be extensible to the same period of time that lasts the reason that has motivated the delay. Nevertheless, if the period exceeds six months, DICSA may cancel the part that couldn't be sent, by previously notifying the Customer in writing.

We do our best to respect the delivery times that are indicated in our offers or in our order confirmations, though it is materially impossible to answer completely for the above mentioned fulfillment, since we depend on other suppliers and on unexpected circumstances totally foreign to our possible control. Won't be accepted any sanctions for the delay in the foreseen delivery.

### RIGHT OF PROPERTY

DICSA maintains the property of the materials (products) until the Customer makes the payment in full of the merchandise.

The Customer is responsible for taking the necessary actions to preserve in good condition the merchandise until it has been paid, must insure DICSA of the payment of the same one in case of having being sold to third persons by the Customer.

### WARRANTY

We won't attend any claim done after the 12 months following the delivery of the merchandise. Returned material will not be allowed without previous authorization or when the time between the purchase and the request for return exceeds 15 days.

In any case, all returned merchandise will have to be accompanied by a copy of our authorization and, providing that it is not for reasons attributable to DICSA, will carry a minimal surcharge of 20 % on the cost of the returned material, all the expenses will be charged to the customer. Concerning the faults that appear in the supplied products, DICSA will only accept as unique responsibility or obligation, the paying of the product or defective products providing that the products (merchandise) have been treated adequately and that the arisen faults are due to faults of material or manufacture.

The warranty includes the replacement or repair of the defective elements in our workshops. The warranty is understood always in relation with the presumably defective material deposited in our warehouse, but the costs of transport and the risk being at the expense of the Customer. The advices given before and post closing of the contract, are made with the best intention and according to our know-how, nevertheless DICSA does not assume any category of responsibilities in this regard, nor will answer of the eventual direct or indirect damages that could take place indistinctly, no matter who, where and why they may take place.

DICSA will not be responsible for any consequence or indirect damages occurred to the Customer, and / or third Parties including but not limited to loss of opportunities, business and incomes.

DICSA guarantees exclusively its own materials, excluding any responsibility for the effects or damages that these could provoke in facilities, equipments or conductions. In no case will take responsibility for accidents related to individuals or materials or for losses in fabrication.

The warranty excludes the breakdowns produced by badly use or deficient installation, breakdowns provoked by overloading of the equipments for experimental purposes, either for adjustment or testing. DICSA's total responsibility for the caused damages, independently of the type of action or theory of the responsibility, will not exceed the amount of the work done, installation or materials that have been object of the order to DICSA.

Any amount that exceeds the above mentioned quantity, and any amount that DICSA will have to support either for judicial, arbitral or similar decision, will be transmitted to the Customer until obtaining indemnity.

Will be excluded from this warranty:

- The use of facilities or services, which are different of those included in the manuals of instruction or in DICSA's specifications.
- The inadequate use of facilities or negligence of the Customer, his Assistants or Agents.
- The parts supplied by the Customer.

### FREIGHTAGES

By merchandise we always mean the one deposited in DICSA's warehouse, even in operations conditioned by the delivery at destination and the merchandise will always travel at the account and risk of the Customer, being at his charge, including the additional insurances that could be established and the special

*En caso de entregarse productos nuevos a cambio de la reparación, si esta estuviera fuera de garantía el Cliente deberá aceptar el cargo correspondiente a la misma.*

*Los presupuestos de reparación siempre son orientativos y en ningún caso deben tomarse como precios finales.*

### PLAZOS DE ENTREGA

*DICSA se reserva la facultad de rechazar un pedido en función de la disponibilidad de los productos. En este supuesto, lo comunicara al comprador con la mayor brevedad posible.*

*El plazo de entrega será acordado por las partes contractuales. Los plazos de entrega se calcularán desde la fecha de recepción de la confirmación del pedido, pudiendo DICSA proceder sin interrupción alguna. DICSA no será responsable de las demoras en el suministro de toda o parte de la mercancía en el caso de fuerza mayor, tal como catástrofes naturales, limitaciones legales, huelgas, etc., o cualquier otra causa fuera de nuestro control. En el caso de darse alguna de las razones anteriormente citadas, el periodo de entrega se hará extensible al mismo periodo de tiempo que dure la causa que haya motivado el retraso. Sin embargo, si el periodo excediera de seis meses, DICSA podrá cancelar la parte no enviada notificando previamente por escrito al comprador.*

*Procuramos con el mayor interés, cumplir los plazos de entrega que se indican en nuestras ofertas o en nuestras confirmaciones de pedido, si bien es materialmente imposible responder plenamente de dicho cumplimiento, por depender de otros proveedores y de inesperadas circunstancias totalmente ajenas a nuestro posible control.*

*De ahí que no se aceptarán sanciones por demora en la entrega prevista.*

### DERECHO DE PROPIEDAD

*DICSA mantiene la propiedad de la mercancía hasta que el comprador realice el pago por completo de la misma.*

*Será responsabilidad del comprador tomar las medidas necesarias para conservar en buen estado la mercancía hasta que haya sido pagada, debiendo asegurarse a DICSA el cobro de la misma en caso de haber sido vendida a terceras personas por el comprador.*

### GARANTÍA

*No se responderá de ninguna reclamación que no sea efectuada dentro de los 12 meses siguientes a la entrega de la mercancía, ni se aceptarán devoluciones sin autorización previa o pasados 15 días desde la entrega de la mercancía. En cualquier caso, toda devolución deberá ir acompañada de copia de nuestra autorización y, siempre que no sea por causas imputables a DICSA, conllevará un recargo mínimo del 20 % sobre el coste del material devuelto, corriendo todos los gastos a cargo del cliente.*

*En relación con los defectos que aparezcan en los productos suministrados, DICSA aceptará como única responsabilidad u obligación, abonar la pieza o piezas defectuosas siempre que la mercancía haya sido tratada adecuadamente y que los defectos surgidos sean debidos a defectos de material o fabricación.*

*La garantía comprende la reposición o reparación de los elementos defectuosos a realizar en nuestros talleres.*

*La garantía se entiende siempre con el material presumiblemente defectuoso depositado en nuestras instalaciones, con los gastos de transporte y riesgo a cargo del comprador.*

*Los consejos y asesoramiento dados antes y post cierre del contrato, se realizan con la mejor intención y según nuestros máximos conocimientos, no obstante DICSA no asume ninguna clase de responsabilidades a este respecto, ni responderá de los eventuales daños directos o indirectos que indistintamente, por quién, dónde y por qué puedan producirse.*

*DICSA no será responsable de ninguna consecuencia o ningún daño indirecto producido al Comprador o a terceros, incluyendo los daños de pérdida de oportunidades, negocio o ingresos.*

*DICSA garantiza exclusivamente sus materiales excluyendo cualquier responsabilidad por los efectos o perjuicios que estos puedan provocar en instalaciones, maquinarias o circuitos. En ningún caso se responsabilizará de los accidentes personales o materiales y pérdidas de producción.*

*Se excluye de la garantía las averías producidas por mal uso o deficiente instalación, averías provocadas por sometimiento de los equipos a esfuerzos anormales con fines experimentales, de ajuste o prueba. La total responsabilidad de DICSA por los daños causados, independientemente del tipo de acción o teoría de la responsabilidad, no excederá del importe de la obra, instalación o materiales que haya sido objeto de pedido a DICSA. Cualquier importe que supere dicha cantidad y que DICSA se vea obligada a soportar ya sea por decisión judicial, arbitral o similar, será repetida a la compradora hasta lograr indemnidad.*

*Se encuentran excluidos de esta garantía:*

- El uso de instalaciones o servicios, que se aparten de los manuales de instrucción o especificaciones de DICSA.
- El uso inadecuado de instalaciones o negligencia del Comprador, sus Ayudantes o Agentes.
- Las partes suministradas por el Comprador.

# General conditions of sale

## Condiciones de venta

permissions it may need. According to what it is established in the article 18 of the Royal decree 782/1998 concerning wrapping and packaging mentioned in the 1st additional Disposition (Regulation) of the Law 11/1997, the person responsible for the delivery of the residues of the packaging and worn packages, for the correct environmental management, will be the final user.

### EMERGENCY DELIVERIES

No matter the type of the transportation used: by plane, courier, as baggage (luggage), special agencies, messengers etc; independently of the amount of the above mentioned service, the Customer will pay all the extra expenses, those of transportations, of shipping, and of communications that the service has caused; this value may not, under no circumstance, be lower than 60 euros.

### SPECIAL ORDERS

Any order (request) of special material, will carry the anticipated payment of 50 % of the amount of the order (request), as an indispensable condition for its acceptance. The above mentioned amount will always be in favor of DICSА as compensation in case of cancellation on the part of the Customer, without prejudice of the claims at which they may have right by Law.

### MINIMAL SALE

The minimal invoice will be of 50 €, no matter the amount of the order.

### PAYMENTS

The payments have to be done, except express written agreement between the parts, in maximum 60 days from the date of the invoice and previous receipt of the positive reports of credit. If the Customer doesn't make the payment in time, for a part of the merchandise supplied, DICSА is authorized to suspend the posterior deliveries until the Customer executes the due payments. Any bank charges associated with the payment of the merchandise, as well as the expenses of return of it in case of non-payment, will be at the expense of the Customer. In case of delay in the payment and without prejudice of other rights attributed to the buyer for the legislation in effect, the Customer will pay to DICSА an interest of monthly delay of 2 % starting from the date when the invoice comes to its term.

### UNPAID OR POST-PONED INVOICES

Will be at the expense of the Customer:

- The return expenses.
- Monthly interests of 1 %, from the day when the payment has come to its term and wasn't made, until the date of full payment.
- Possible amount (value) of the stamp of the new documents.
- The credit insurance.

### COINCIDENTAL PAYMENTS IN VACATIONS

If the client could not attend to the payments that were coinciding with vacation periods, these will move to the same day of the previous month. In case there are fixed days of payment, the term of the invoice will move to the immediately previous working day of payment.

### THE SOFTWARE USE

If the delivery includes the putting at the disposal of the Customer software, the Customer has the exclusive right to use it, including the attached documentation. The software is sent for the use in the object of delivery to which it is destined. It is forbidden the use of this software into any other system. The modification, translation or adjustment of the code of object to code of origin as well as the reproduction of software is only admitted into the legally established limits. The Customer promises not to withdraw the indications of the manufacturer, especially the indications of the Copyright, without DICSА's previous assent. All the other rights on the software and the documentation including the copies, they belong to DICSА or to the supplier of the software. The concession of sublicenses is not admitted.

### GOVERNING LAW AND JURISDICTION

These General Conditions and any agreement between DICSА and the Customer shall be exclusively governed by Spanish laws. The exclusive jurisdiction on any dispute between the DICSА and the Customer shall be the courts of DICSА's domicile. Nevertheless, DICSА has also the right to bring legal action against the Customer before the courts of the place of business and/or residence of the Customer.

### PORTES

La mercancía se entiende siempre depositada en el domicilio de DICSА, incluso en operaciones condicionadas a la entrega en destino y la mercancía siempre viajará por cuenta y riesgo del comprador, siendo a su cargo inclusive los seguros adicionales que pudieran establecerse y los permisos especiales a que hubiera lugar.

Según se establece en el artículo 18 del Real Decreto 782/1998 para los envases y embalajes acogidos a la Disposición adicional 1.ª de la Ley 11/1997, el responsable de la entrega de los residuos de los embalajes y envases usados, para su correcta gestión ambiental, será el usuario final.

### ENVÍOS DE EMERGENCIA

Sea cual fuere el medio de transporte utilizado, avión, courier, régimen de equipajes, agencias especiales, mensajeros etc. Independientemente del importe de dicho servicio, el comprador correrá con todos los gastos extra, los de acarreo, de desplazamientos, y de comunicaciones que el servicio haya ocasionado, sin que en ningún caso este valor pueda ser inferior a 60 euros.

### PEDIDOS ESPECIALES

Todo pedido de material especial, conllevará el pago anticipado del 50 % del importe del pedido, como condición indispensable para su aceptación. Dicho importe quedará siempre a favor de DICSА como indemnización en cualquier caso de anulación por parte del comprador, sin perjuicio de las reclamaciones que por Ley se puedan tener derecho.

### VENTA MÍNIMA

La facturación mínima será de 50 € sea cual sea el importe del pedido.

### PAGOS

Los pagos se realizarán como máximo y salvo acuerdo expreso entre las partes, a 60 días desde la fecha de la factura y previa recepción de los informes positivos de crédito. Si el comprador no efectuare el pago de cualquiera de los suministros a su vencimiento, DICSА está autorizado a suspender los envíos posteriores hasta que se realice dicho pago. Cualquier cargo bancario asociado con el pago de la mercancía, así como los gastos de devolución de efectos en caso de impago, serán por cuenta del comprador.

En caso de demora en el pago y sin perjuicio de otros derechos atribuidos al comprador por la legislación en vigor, el comprador abonará a DICSА un interés de demora del 2 % mensual desde la fecha de vencimiento de la factura.

### COBRO DE LETRAS O RECIBOS DEVUELTOS O APLAZADOS

Serán a cargo del librado:

- Gastos de devolución.
- Intereses del 1 % mensual desde el día del vencimiento fallido hasta la fecha de cobro definitivo.
- Posible valor del timbre de nuevos documentos.
- Prima de seguro de crédito.

### PAGOS COINCIDENTES EN VACACIONES

Si el cliente no pudiese atender los pagos que coincidiesen con periodos vacacionales, éstos se trasladarán al mismo día del mes anterior. En caso de existir días fijos de pago, el vencimiento se trasladará al día hábil de pago inmediatamente anterior.

### USO DE SOFTWARE

En la medida en que el volumen de entrega incluye la puesta a disposición de software, el cliente tiene el derecho no exclusivo a usarla incluyendo la documentación adjunta. Se le cede el software para el uso en el objeto de entrega al cual va destinado. No se admite el uso de este software en otro sistema. La modificación, traducción o adaptación de código de objeto a código de origen así como la reproducción de software solamente se admite en la medida legalmente establecida. El cliente se compromete a no retirar las indicaciones del fabricante, especialmente indicaciones del Copyright sin el consentimiento previo de DICSА. Todos los demás derechos sobre el software y la documentación incluyendo las copias, corresponden a DICSА o al proveedor del software. No se admite la concesión de sublicencias.

### DERECHO APLICABLE Y JURISDICCIÓN

Las relaciones jurídicas entre DICSА y el comprador están sujetas al derecho Español. El tribunal competente será el del domicilio de DICSА. Sin embargo, DICSА podrá optar por interponer las acciones legales correspondientes en el domicilio del comprador.



+34 943 377 740



[www.diprax.es](http://www.diprax.es)



[info@diprax.es](mailto:info@diprax.es)



Polígono Industrial Belartza,  
Gurutzegi Kalea, 17 pab. DA y D5,  
20018 San Sebastián-Donostia