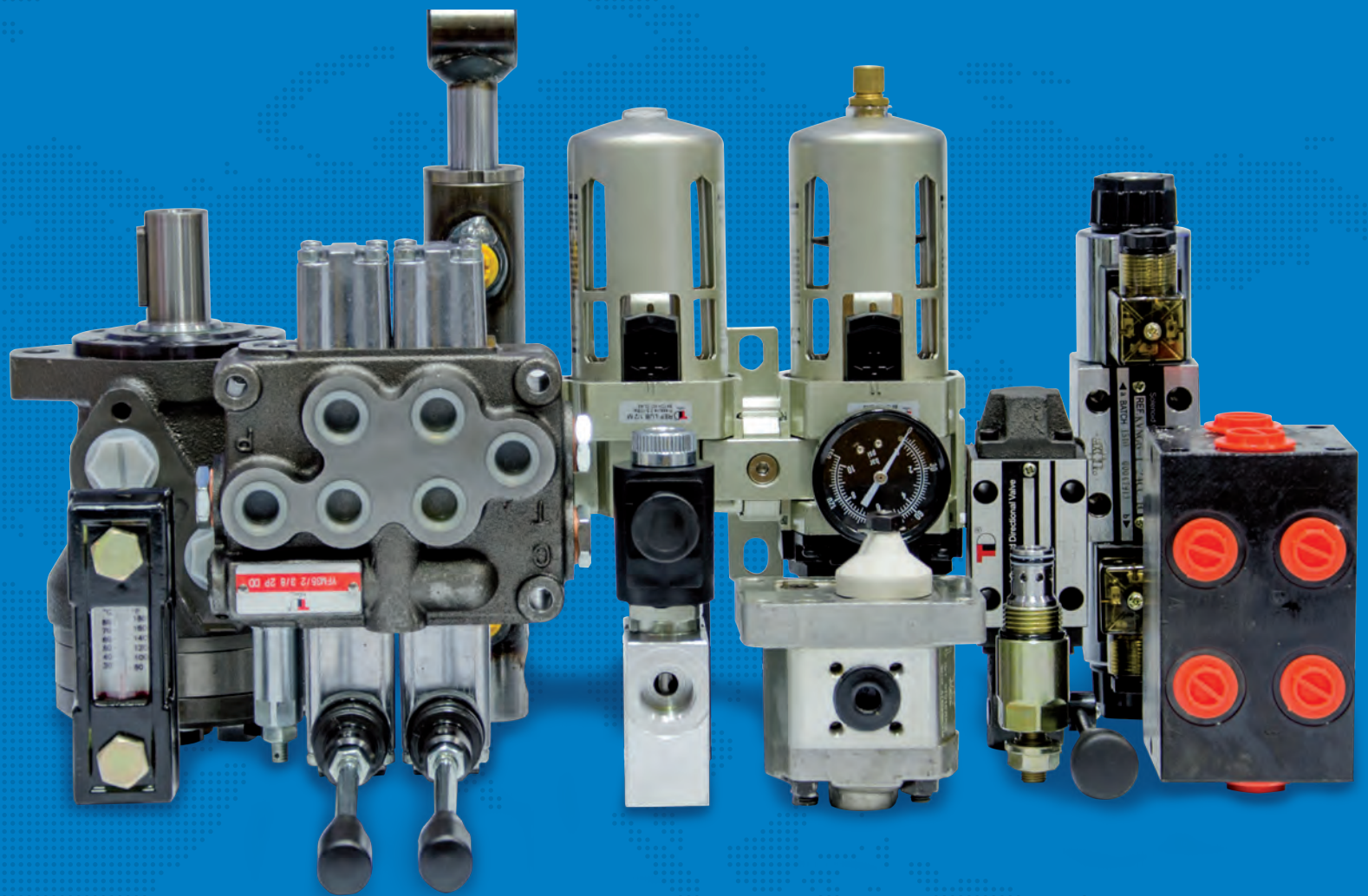




# SALINAS

CAUCHOS Y POLIURETANOS



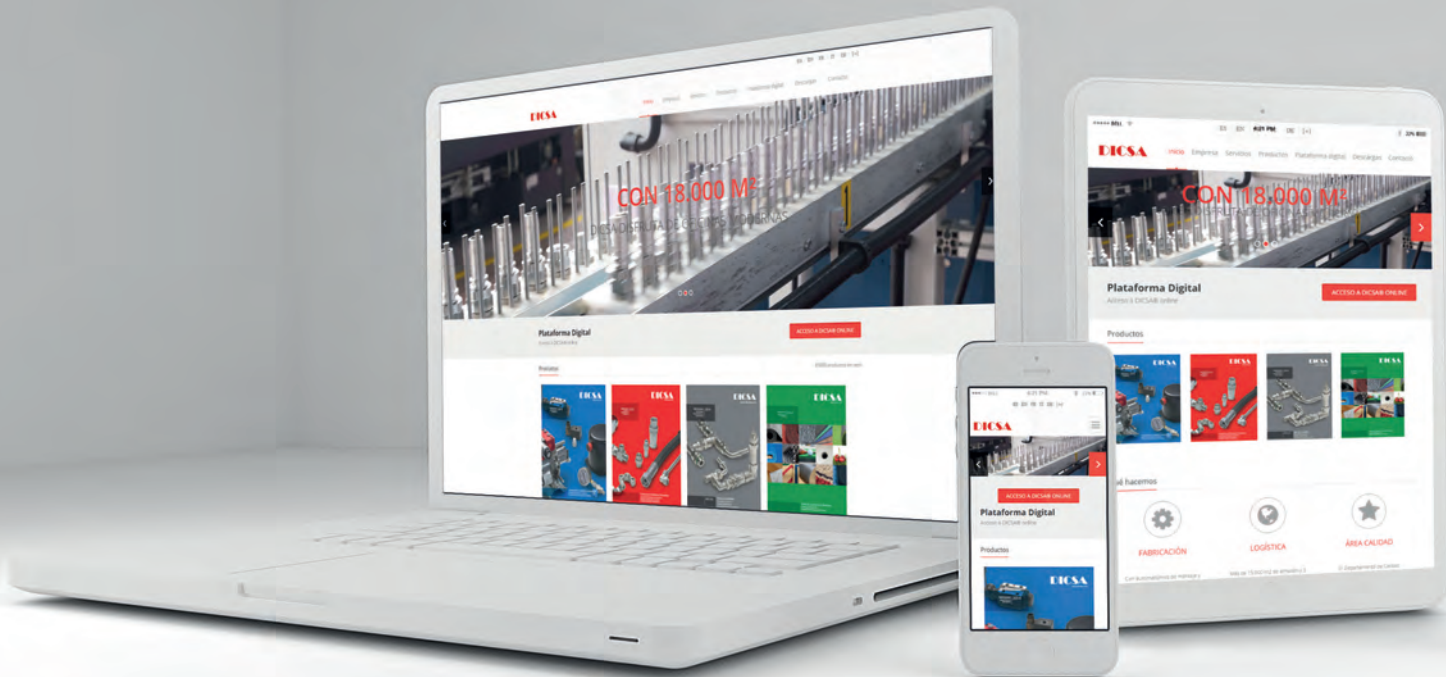
Componentes hidráulicos y neumáticos

2016

Hydraulic and pneumatic components  
Composants hydrauliques et pneumatiques

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**Programa hidráulico**  
*Hydraulic program*  
Programme hydraulique



**Línea**  
*Range*  
Gamme



**Servicio hidráulico**  
*Hydraulic service*  
Service hydraulique

**Roquet** 

**Danfoss**

**JUNIAS BESMA S.A.**

**Componentes neumáticos**  
*Pneumatic components*  
Composants pneumatiques



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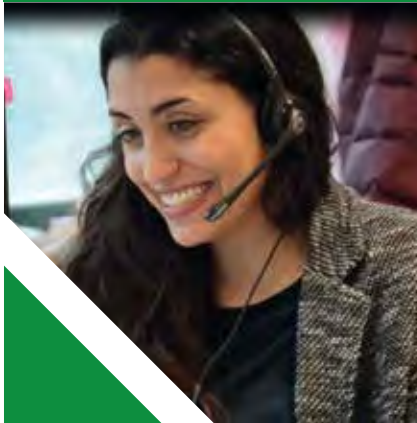
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## Programa hidráulico

*Hydraulic program*

Programme hydraulique





<b>Depósitos, filtros, campanas y acoplamientos</b> <i>Tanks, bellhousings, couplings and filters</i> Réservoirs, filtres, lanternes et accouplements	1
<b>Bombas/divisores de caudal/multiplicadores...</b> <i>Pumps/gear flow dividers/multigear...</i> Pompes/diviseurs de débit/multiplicateurs...	2
<b>Minicentrales</b> <i>Mini power packs</i> Mini-centrales	3
<b>Motores eléctricos</b> <i>Electric motors</i> Moteurs électriques	4
<b>Válvulas hidráulicas</b> <i>Hydraulic valves</i> Valves hydrauliques	5
<b>Distribuidores hidráulicos</b> <i>Hydraulic directional control valves</i> Distributeurs hydrauliques	6
<b>Electroválvulas y placas base</b> <i>Directional valves and subplates</i> Électro-distributeurs et plaques de base	7
<b>Empuñaduras y selectoras</b> <i>Joysticks and directional valves</i> Poignées et déviateurs	8
<b>Acumuladores e intercambiadores de calor</b> <i>Vacuum and heat exchangers</i> Accumulateurs et échangeurs de chaleur huile/air	9
<b>Cilindros hidráulicos</b> <i>Hydraulic cylinders</i> Vérins hydrauliques	10

# Depósitos, filtros, campanas y acoplamientos

*Tanks, filters, bellhousings and couplings*

Réservoirs, filtres, lanternes et accouplements

## **Depósitos y accesorios**

*Tanks and accessories*  
Réservoirs et accessoires

**8**

## **Filtros**

*Filters*  
Filtres

**13**

## **Campanas y acoplamientos aluminio formato europeo**

*Aluminium bellhousings and couplings European format*  
Lanternes et accouplements aluminium format européen

**19**

## **Acoplamientos acero**

*Steel couplings*  
Accouplements acier

**20**

## **Estrellas**

*Spiders*  
Étoiles

**22**

## **Aceite hidráulico**

*Hydraulic oil*  
Huile hydraulique

**23**





1

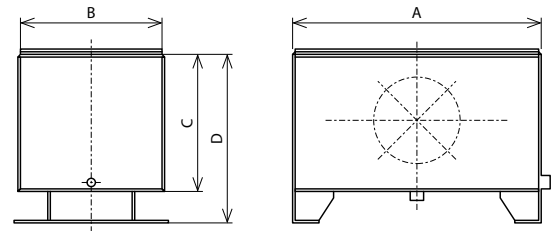
# Depósitos y accesorios

Tanks and accessories  
Réservoirs et accessoires

## Depósitos CF



CF Tanks  
Réservoirs CF

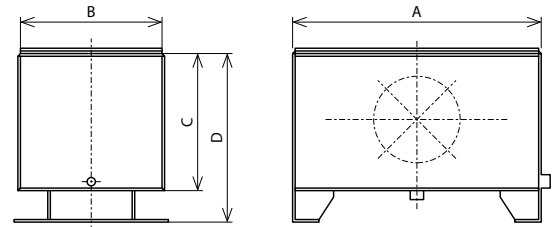


Part nº Referencia	NOMINAL CAPACITY (l) CAPACIDAD NOMINAL (l)	A	B	C	D	€
<b>CF12GC</b>	14	335	270	235	290	<b>181,05</b>
<b>CF16GC</b>	22	410	325	250	305	<b>215,27</b>
<b>CF30GC</b>	39	470	375	280	335	<b>286,87</b>
<b>CF55GC</b>	58	600	470	310	365	<b>375,68</b>
<b>CF75GC</b>	75	600	470	400	455	<b>428,48</b>
<b>CF100GC</b>	100	675	520	450	505	<b>513,78</b>
<b>CF180GC</b>	165	805	620	500	555	<b>681,38</b>

## Depósitos CFP con tapa de registro



CFP Tanks with cap  
Réservoirs CFP avec plaque de revision

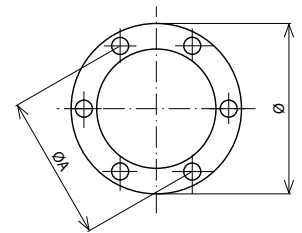


Part nº Referencia	COVER TAPA	CAPACITY (l) CAPACIDAD (l)	A	B	C	D	€
<b>CFP150TRD350</b>	TRD350	150	750	500	545	600	<b>757,24</b>
<b>CFP225TRD350</b>	TRD350	225	900	600	585	640	<b>1.078,16</b>
<b>CFP300TRD475</b>	TRD475	300	900	700	600	700	<b>1.299,92</b>
<b>CFP400TRD475</b>	TRD475	400	1260	765	620	720	<b>2.194,47</b>

## Tapa revisión depósito con junta



Plate tank with cap  
Couvercle de revision de reservoir avec joint



Part nº Referencia	DIAMETER (mm) DIÁMETRO (mm)	ØA	€
<b>TRD275</b>	275	255	<b>44,02</b>
<b>TRD350</b>	350	324	<b>69,34</b>
<b>TRD400</b>	400	380	<b>64,07</b>
<b>TRD475</b>	475	449	<b>100,39</b>

## Tapón llenado plástico



Plastic filler cap  
Bouchon de remplissage en plastique

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>TPA</b>	Tapón de llenado de plástico	<b>14,60</b>

# Depósitos y accesorios

Tanks and accessories  
Réservoirs et accessoires

## Tapones de llenado



Filler breather  
Bouchons de remplissage

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>FT-5-C10</b>	Mini 10µ	<b>13,28</b>
<b>FT-8-C10/1</b>	Normal 10µ	<b>15,80</b>
<b>FT-8-C10/2</b>	Largo 10µ	<b>17,71</b>
<b>FT-5-C40</b>	Mini 40µ	<b>11,77</b>
<b>FT-8-C40/1</b>	Normal 40µ	<b>13,06</b>
<b>FT-8-C40/2</b>	Largo 40µ	<b>15,61</b>

## Brida inclinada con tapón de llenado



Inclined flange with breather  
Bride inclinée avec bouchon de remplissage

Part nº Referencia	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>TCARI1080</b>	10 µ	<b>41,87</b>
<b>TCARI4080</b>	40 µ	<b>39,67</b>

## Tapón acero sin filtro



Filler breather without filter  
Bouchon acier sans filtre

Part nº Referencia	THREAD ROSCA	€
<b>TSFO/R0G</b>	1/8" BSP	<b>2,37</b>
<b>TSFO/R1G</b>	1/4" BSP	<b>2,52</b>
<b>TSFO/R2G</b>	3/8" BSP	<b>2,67</b>
<b>TSFO/R3G</b>	1/2" BSP	<b>3,54</b>
<b>TSFO/R4G</b>	3/4" BSP	<b>4,92</b>
<b>TSFO/R5G</b>	1" BSP	<b>7,58</b>

## Tapón acero con filtro en base



Filler breather with filter in the base  
Bouchon acier reniflard filtre au fond

Part nº Referencia	THREAD ROSCA	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>TSF1G</b>	1/4" BSP	40 µ	<b>3,51</b>
<b>TSF2G</b>	3/8" BSP	40 µ	<b>4,27</b>
<b>TSF3G</b>	1/2" BSP	40 µ	<b>5,16</b>
<b>TSF4G</b>	3/4" BSP	40 µ	<b>7,11</b>
<b>TSF5G</b>	1" BSP	40 µ	<b>10,11</b>
<b>TSF6G</b>	1"1/4 BSP	200 µ	<b>16,93</b>
<b>TSF7G</b>	1"1/2 BSP	200 µ	<b>23,06</b>
<b>TSF8G</b>	2" BSP	200 µ	<b>42,80</b>

# Depósitos y accesorios

Tanks and accessories  
Réservoirs et accessoires

## Tapón acero con filtro en cabeza



Filler breather with filter in the head  
Bouchon acier reniflard avec filtre à la tête

Part nº Referencia	THREAD ROSCA	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>TSFA0G</b>	1/8" BSP	40 µ	<b>2,86</b>
<b>TSFA1G</b>	1/4" BSP	40 µ	<b>2,93</b>
<b>TSFA2G</b>	3/8" BSP	40 µ	<b>3,68</b>
<b>TSFA3G</b>	1/2" BSP	40 µ	<b>4,61</b>
<b>TSFA4G</b>	3/4" BSP	40 µ	<b>6,42</b>
<b>TSFA5G</b>	1" BSP	40 µ	<b>9,81</b>

## Tapón hexagonal metálico con agujero y filtro



Metallic hexagonal plug with hole and filter  
Bouchon acier reniflard avec purge et filtre

Part nº Referencia	THREAD ROSCA	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>TCSF1G</b>	1/4" BSP	40 µ	<b>2,49</b>
<b>TCSF2G</b>	3/8" BSP	40 µ	<b>2,88</b>
<b>TCSF3G</b>	1/2" BSP	40 µ	<b>4,12</b>
<b>TCSF4G</b>	3/4" BSP	40 µ	<b>5,33</b>
<b>TCSF5G</b>	1" BSP	40 µ	<b>7,55</b>

## Tapón macho hexagonal



Hexagonal male plug  
Bouchon mâle hexagonal

Part nº Referencia	THREAD ROSCA	€
<b>TC/F1G</b>	1/4" BSP	<b>1,44</b>
<b>TC/F2G</b>	3/8" BSP	<b>1,66</b>
<b>TC/F3G</b>	1/2" BSP	<b>2,17</b>
<b>TC/F4G</b>	3/4" BSP	<b>3,69</b>
<b>TC/F5G</b>	1" BSP	<b>4,73</b>

## Tapón magnético



Magnetic plug  
Bouchon acier magnétique

Part nº Referencia	THREAD ROSCA	€
<b>TCSM/F1G</b>	1/4" BSP	<b>3,76</b>
<b>TCSM/F2G</b>	3/8" BSP	<b>4,27</b>
<b>TCSM/F3G</b>	1/2" BSP	<b>6,09</b>
<b>TCSM/F4G</b>	3/4" BSP	<b>8,09</b>
<b>TCSM/F5G</b>	1" BSP	<b>11,33</b>
<b>TCEM1G</b>	1/4" BSP	<b>2,81</b>
<b>TCEM2G</b>	3/8" BSP	<b>2,93</b>
<b>TCEM3G</b>	1/2" BSP	<b>3,69</b>
<b>TCEM4G</b>	3/4" BSP	<b>6,68</b>
<b>TCEM5G</b>	1" BSP	<b>7,69</b>
<b>TCEM6G</b>	1" 1/4 BSP	<b>15,04</b>

TCEM=ALLEN; TCSM=HEX.

# Depósitos y accesorios

Tanks and accessories  
Réservoirs et accessoires

## Tapón desvaporador



Filling plug with breather  
Bouchon reniflard

Part nº Referencia	THREAD ROSCA	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FAI4</b>	1/4" BSP	40 µ	<b>9,78</b>
<b>FAI6</b>	3/8" BSP	40 µ	<b>10,15</b>
<b>FAI8</b>	1/2" BSP	40 µ	<b>10,90</b>
<b>FAI12</b>	3/4" BSP	40 µ	<b>14,48</b>
<b>FAI16</b>	1" BSP	40 µ	<b>20,61</b>

## Visor lateral aluminio (BSP)



BSP aluminium lateral sight  
Voyant de niveau latéral aluminium (BSP)

Part nº Referencia	THREAD ROSCA	€
<b>1FC1G</b>	1/2" BSP	<b>3,11</b>
<b>1FC2G</b>	3/4" BSP	<b>3,69</b>
<b>1FC3G</b>	1" BSP	<b>5,26</b>
<b>1FC4G</b>	1"1/4 BSP	<b>11,70</b>

## Visor aluminio (BSP)



BSP aluminium sight  
Voyant de niveau aluminium (BSP)

Part nº Referencia	THREAD ROSCA	€
<b>TLAN1G</b>	1/4" BSP	<b>2,60</b>
<b>TLA2G</b>	3/8" BSP	<b>2,78</b>
<b>TLA3G</b>	1/2" BSP	<b>3,11</b>
<b>TLA4G</b>	3/4" BSP	<b>3,69</b>
<b>TLA5G</b>	1" BSP	<b>5,26</b>
<b>TLA6G</b>	1"1/4 BSP	<b>10,47</b>
<b>TLA7G</b>	1"1/2 BSP	<b>12,23</b>
<b>TLA8G</b>	2" BSP	<b>23,43</b>

## Visor aluminio (métrico)



Metric aluminium sight  
Voyant de niveau aluminium (métrique)

Part nº Referencia	THREAD ROSCA	€
<b>TLAN1M</b>	M14X1.5	<b>2,60</b>
<b>TLA2M</b>	M16X1.5	<b>2,78</b>
<b>TLA3M</b>	M18X1.5	<b>2,88</b>
<b>TLA4M</b>	M20X1.5	<b>3,02</b>
<b>TLA5M</b>	M22X1.5	<b>3,11</b>
<b>TLA6M</b>	M24X1.5	<b>4,66</b>
<b>TLA9M</b>	M27X1.5	<b>4,91</b>
<b>TLA10M</b>	M30X1.5	<b>5,12</b>
<b>TLA12M</b>	M33X1.5	<b>5,26</b>

# Depósitos y accesorios

Tanks and accessories  
Réservoirs et accessoires

## Niveles

### Level gauges

Indicateurs de niveau

Part nº Referencia	THREAD ROSCA	€
<b>FL-1</b>	M10	<b>16,09</b>
<b>FL-2</b>	M12	<b>18,02</b>
<b>FL-3</b>	M 12	<b>25,21</b>
<b>FL-1-T</b>	M10	<b>17,15</b>
<b>FL-2-T</b>	M12	<b>21,58</b>
<b>FL-3-T</b>	M12	<b>26,60</b>

FL T = con termómetro / FL T = with thermometer / FL T = con thermomètre



## Nivel eléc. 1 contacto min. conmutado

### Electrical level gauge 1 contact min. commuted

Niveau électrique 1 contact - min. commuté

Part nº Referencia	L (mm)	€
<b>NE1C150</b>	150	<b>82,19</b>
<b>NE1C200</b>	200	<b>82,19</b>
<b>NE1C250</b>	250	<b>82,19</b>
<b>NE1C300</b>	300	<b>82,19</b>
<b>NE1C350</b>	350	<b>82,19</b>
<b>NE1C400</b>	400	<b>82,19</b>
<b>NE1C450</b>	450	*
<b>NE1C500</b>	500	<b>82,19</b>



## Nivel óptico eléctrico 1 contacto

### Electrical optical level gauge 1 contact

Niveau optique électrique 1 contact

Part nº Referencia	L (mm)	€
<b>LVSE-2</b>	127	<b>77,50</b>
<b>LVSE-3</b>	254	<b>82,98</b>



## Brida acople motor

### Foot flange

Bride d'accouplement moteur

Part nº Referencia	Ø	€
<b>P160</b>	B5 160mm	<b>28,25</b>
<b>P200</b>	B5 200mm	<b>36,00</b>
<b>P250</b>	B5 250mm	<b>59,41</b>
<b>P300</b>	B5 300mm	<b>80,03</b>



# Filtros

Filters  
Filtres

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

## Filtro en línea (carcasas)



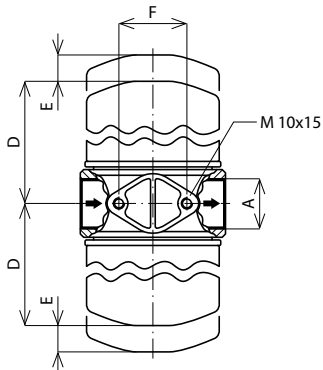
In line filter housing  
Filtre en ligne (Tête)

Part n° Referencia	THREAD ROSCA	CARTRIDGE CARTUCHO	€
<b>FA-1-10/11-A</b>	3/4" BSP	SPA-1-10 - SPA-1-11	<b>29,25</b>
<b>FA-1-20/21-A</b>	1"1/4 BSP	SPA-1-20 - SPA-1-21	<b>41,77</b>
<b>FA-1-30/31-A</b>	1"1/2 BSP	SPA-1-20 - SPA-1-21	<b>97,42</b>
<b>FA-1-40/41-A</b>	1"1/2 BSP	SPA-1-20 - SPA-1-21	<b>322,52</b>
<b>FA-1-10/11-R</b>	3/4" BSP	SPA-1-10 - SPA-1-11	<b>29,25</b>
<b>FA-1-20/21-R</b>	1"1/4 BSP	SPA-1-20 - SPA-1-21	<b>42,25</b>
<b>FA-1-30/31-R</b>	1"1/2 BSP	SPA-1-20 - SPA-1-21	<b>97,42</b>
<b>FA-1-40/41-R</b>	1"1/2 BSP	SPA-1-20 - SPA-1-21	<b>322,52</b>

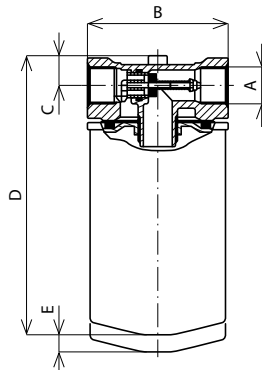
"A"=Aspiración; "R"=Retorno / "A"=Inlet; "R"=Return / "A"=Aspiration; "R"=Retour



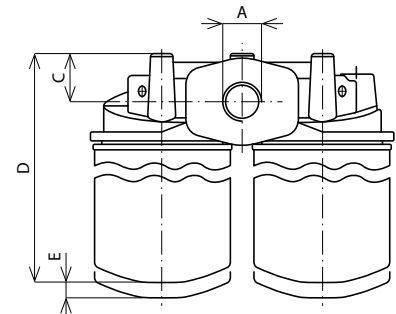
FA-1-30/31



FA-1-10/11/20/21



FA-1-40/41



# Filtros

Filters  
Filtres

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

## Filtro en línea (cartuchos)



*In line filter element*  
Filtre en ligne (Cartouche)

Part nº Referencia	SIZE TAMAÑO	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
SPA-1-10-C10	10	10 µ	19,40
SPA-1-11-C10	11	10 µ	26,99
SPA-1-20-C10	20	10 µ	31,30
SPA-1-21-C10	21	10 µ	47,03
SPA-1-10-C25	10	25 µ	19,40
SPA-1-11-C25	11	25 µ	28,30
SPA-1-20-C25	20	25 µ	31,30
SPA-1-21-C25	21	25 µ	47,03
SPA-1-10-T60	10	60 µ	46,83
SPA-1-11-T60	11	60 µ	67,97
SPA-1-20-T60	20	60 µ	87,34
SPA-1-21-T60	21	60 µ	105,32
SPA-1-10-T125	10	125 µ	37,27
SPA-1-11-T125	11	125 µ	56,04
SPA-1-20-T125	20	125 µ	69,67
SPA-1-21-T125	21	125 µ	87,54

## Filtro de retorno semi-sumergido (carcasa)



*Submerged return filter housing*  
Tête filtre retour semi-immersé

Part nº Referencia	THREAD ROSCA		SIZE TAMAÑO	CARTRIDGE CARTUCHO	€
FR1-10	1/2" BSP	M6	10	R-1-10	26,22
FR1-20	1/2" BSP	M8	20	R-1-20	38,89
FR1-21	3/4" BSP	M8	21	R-1-20	38,89
FR1-22	3/4" BSP	M8	22	R-1-22	39,06
FR1-23	1" BSP	M8	23	R-1-22	39,06
FR1-40	1" BSP	M10	40	R-1-40	87,84
FR1-41	1"1/4 BSP	M10	41	R-1-40	87,84
FR1-50	1"1/4 BSP	M10	50	R-1-50	158,19
FR1-51	1"1/2 BSP	M10	51	R-1-51	176,32
FR1-52 *	1"1/2 BSP	M10	52	R-1-50	152,11
FR1-60	1"1/2 BSP	M10	60	R-1-60	172,48
FR1-61	2" BSP	M10	61	R-1-60	172,48
FR1-64	2" BSP	M10	64	R-1-64	172,48

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



# Filtros

Filters  
Filtres

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

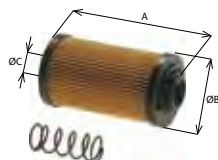
Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

## Filtro de retorno sumergido (cartuchos)

Submerged return filter element  
Cartouche filtre retour semi-immergé



Part nº Referencia	SIZE TAMAÑO	A	ØB	ØC	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
R-1-10-C10-B	10	76	50	25	10 µ	9,96
R-1-20-C10-B	20	86	70	29	10 µ	11,70
R-1-22-C10-B	22	136	70	29	10 µ	13,04
R-1-30-C10-B	30	211,5	70	40,5	10 µ	15,69
R-1-40-C10-B	40	214	99	41	10 µ	19,76
R-1-50-C10-B	50	150	130	51	10 µ	22,49
R-1-51-C10-B	51	209	130	52	10 µ	26,04
R-1-60-C10-B	60	209	130	65	10 µ	25,02
R-1-64-C10-B	64	259	130	65	10 µ	34,78
R-1-65-C10-B	65	280	130	65	10 µ	53,95
R-1-10-C25-B	10	76	50	25	25 µ	9,96
R-1-20-C25-B	20	86	70	29	25 µ	11,70
R-1-22-C25-B	22	136	70	29	25 µ	13,04
R-1-40-C25-B	40	214	99	41	25 µ	19,76
R-1-50-C25-B	50	150	130	51	25 µ	22,49
R-1-51-C25-B	51	209	130	52	25 µ	26,04
R-1-60-C25-B	60	209	130	65	25 µ	25,02
R-1-64-C25-B	64	259	130	65	25 µ	34,78
R-1-65-C25-B	65	280	130	65	25 µ	53,95
R-1-66-C25-B	66	404	130	64,5	25 µ	54,70
R-1-10-T60-B	10	76	50	25	60 µ	13,79
R-1-20-T60-B	20	86	70	29	60 µ	19,05
R-1-22-T60-B	22	136	70	29	60 µ	28,10
R-1-40-T60-B	40	214	99	41	60 µ	47,11
R-1-50-T60-B	50	150	130	51	60 µ	48,57
R-1-51-T60-B	51	209	130	52	60 µ	61,87
R-1-60-T60-B	60	209	130	65	60 µ	58,29
R-1-64-T60-B	64	259	130	65	60 µ	71,57
R-1-65-T60-B	65	280	130	65	60 µ	95,05
R-1-10-T125-B	10	76	50	25	125 µ	12,61
R-1-20-T125-B	20	86	70	29	125 µ	15,49
R-1-22-T125-B	22	136	70	29	125 µ	19,33
R-1-40-T125-B	40	214	99	41	125 µ	33,24
R-1-50-T125-B	50	150	130	51	125 µ	35,96
R-1-51-T125-B	51	209	130	52	125 µ	43,59
R-1-60-T125-B	60	209	130	65	125 µ	44,14
R-1-64-T125-B	64	259	130	65	125 µ	48,97
R-1-65-T125-B	65	280	130	65	125 µ	66,13
R-1-60-G10-B	60	209	130	65	10 µ	51,77
R-1-66-G25-B	66	404	130	64,5	25 µ	90,42

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

# Filtros

Filters  
Filtres

## Filtro de aspiración sumergido 125 micras

Submerged suction filters 125  $\mu$   
Crépines d'aspiration sumergés 125  $\mu$



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FS-1-10-T125</b>	3/8" BSP	15	125 $\mu$	<b>16,28</b>
<b>FS-1-11-T125</b>	1/2" BSP	35	125 $\mu$	<b>16,56</b>
<b>FS-1-20-T125</b>	3/4" BSP	52	125 $\mu$	<b>18,89</b>
<b>FS-1-21-T125</b>	1" BSP	100	125 $\mu$	<b>19,76</b>
<b>FS-1-30-T125</b>	1" BSP	125	125 $\mu$	<b>24,15</b>
<b>FS-1-31-T125</b>	1"1/4 BSP	160	125 $\mu$	<b>23,55</b>
<b>FS-1-32-T125</b>	1"1/2 BSP	180	125 $\mu$	<b>23,55</b>
<b>FS-1-33-T125</b>	1"1/2 BSP	215	125 $\mu$	<b>26,56</b>
<b>FS-1-34-T125</b>	2" BSP	280	125 $\mu$	<b>29,64</b>
<b>FS-1-40-T125</b>	1"1/2 BSP	230	125 $\mu$	<b>40,67</b>
<b>FS-1-41-T125</b>	2" BSP	270	125 $\mu$	<b>41,42</b>
<b>FS-1-42-T125</b>	2"1/2 BSP	500	125 $\mu$	<b>45,09</b>
<b>FS-1-43-T125</b>	3" BSP	500	125 $\mu$	<b>49,01</b>

## Filtro en línea media-alta presión (completo) 40 bar

Medium-high pressure in line filter (Complete) 40 bar  
Filtre en ligne moyenne-haute pression (Complet) 40 bar



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>F040DME0008P2</b>	3/4" BSP	50	10 $\mu$	<b>229,77</b>
<b>F040DME0015P2</b>	1"1/4 BSP	250	10 $\mu$	<b>321,65</b>

## Filtro en línea media-alta presión (completo) 100 bar

Medium-high pressure in line filter (Complete) 100 bar  
Filtre en ligne moyenne-haute pression (Complet) 100 bar



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>F100XD040G10AB4DSZ30</b>	3/4" BSP	50	10 $\mu$	<b>406,07</b>
<b>F100XD100G10AB5DSZ30</b>	1" BSP	120	10 $\mu$	<b>459,62</b>
<b>F100XD160G10AB6DSZ30</b>	1"1/4 BSP	250	10 $\mu$	<b>611,73</b>

## Filtro en línea media-alta presión (completo) 160 bar

Medium-high pressure in line filter (Complete) 160 bar  
Filtre en ligne moyenne-haute pression (Complet) 160 bar



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>F160XD040G10AB4DSZ30</b>	3/4" BSP	50	10 $\mu$	<b>375,12</b>
<b>F160XD100G10AB5DSZ30</b>	1" BSP	120	10 $\mu$	<b>410,26</b>
<b>F160XD160G10AB6DSZ30</b>	1"1/4 BSP	250	10 $\mu$	<b>643,98</b>

# Filtros

Filters  
Filtres

## Filtro en línea media-alta presión (completo) 280 bar



Medium-high pressure in line filter (Complete) 280 bar  
Filtre en ligne moyenne-haute pression (Complet) 280 bar

Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>F280D121G10AB5DSZ30</b>	1" BSP	120	10µ	<b>356,79</b>
<b>F280D140G10AB6DSZ30</b>	1"1/4 BSP	250	10µ	<b>712,11</b>

## Cartuchos media-alta presión para F040



Cartridges medium-high pressure for F040  
Cartouches moyenne-haute pression pour F040

Part nº Referencia	SIZE TAMAÑO	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>DMD0008E10B</b>	40	10µ	<b>66,79</b>

## Cartuchos media-alta presión para F100 y F160



Cartridges medium-high pressure for F100 and F160  
Cartouches moyenne-haute pression pour F100 y F160

Part nº Referencia	SIZE TAMAÑO	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>XD040G03A</b>	40	3µ	<b>66,08</b>
<b>XD040G06A</b>	40	6µ	<b>66,08</b>
<b>XD040G10A</b>	40	10µ	<b>65,72</b>
<b>XD100G03A</b>	100	3µ	<b>77,22</b>
<b>XD100G06A</b>	100	6µ	<b>77,22</b>
<b>XD100G10A</b>	100	10µ	<b>76,87</b>
<b>XD160G03A</b>	160	3µ	<b>94,33</b>
<b>XD160G06A</b>	160	6µ	<b>94,33</b>
<b>XD160G10A</b>	160	10µ	<b>93,19</b>

## Cartuchos media-alta presión para F280



Cartridges medium-high pressure for F280  
Cartouches moyenne-haute pression pour F280

Part nº Referencia	SIZE TAMAÑO	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>D121G03A</b>	21	3µ	<b>59,60</b>
<b>D121G06A</b>	21	6µ	<b>59,60</b>
<b>D121G10A</b>	21	10µ	<b>59,36</b>
<b>D140G03A</b>	40	3µ	<b>56,87</b>
<b>D140G06A</b>	40	6µ	<b>56,87</b>
<b>D140G10A</b>	40	10µ	<b>56,08</b>

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

# Filtros

Filters  
Filtres

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders



## Filtro en línea alta presión (completo con cartucho y visor óptico) 450 bar

High pressure in line filter (Complete with element and electrical indicator) 450 bar  
Filtre en ligne haute pression (Complet avec cartouche et voyant optique) 450 bar

Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	CARTRIDGE CARTUCHO	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FD110G06AB3DZ4</b>	1/2" BSP	60	D1-10-G06A	6µ	<b>408,32</b>
<b>FD110G06AB4DZ4</b>	3/4" BSP	60	D1-10-G06A	6µ	<b>447,84</b>
<b>FD110G10AB3DZ4</b>	1/2" BSP	60	D1-10-G10A	10µ	<b>408,32</b>
<b>FD110G10AB4DZ4</b>	3/4" BSP	60	D1-10-G10A	10µ	<b>447,84</b>
<b>FD130G06AB5DZ4</b>	1" BSP	120	D1-30-G06A	6 µ	<b>530,40</b>
<b>FD130G10AB4DZ4</b>	3/4" BSP	160	D1-30-G10A	10 µ	<b>530,40</b>
<b>FD130G10AB5DZ4</b>	1" BSP	160	D1-30-G10A	10µ	<b>530,40</b>
<b>FD131G03AB4DZ4</b>	3/4" BSP	200	D-1-31-G03A	3µ	<b>568,26</b>

## Filtro en línea alta presión (cartucho)

High pressure in line filter (Cartridge)  
Filtre en ligne haute pression (Cartouche)



Part nº Referencia	SIZE TAMAÑO	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>D1-10-G06A</b>	10	6µ	<b>40,75</b>
<b>D1-10-G10A</b>	10	10µ	<b>40,75</b>
<b>D1-30-G06A</b>	30	6µ	<b>57,24</b>
<b>D1-30-G10A</b>	30	10µ	<b>57,24</b>
<b>D-1-31-G03A</b>	31	3µ	<b>61,26</b>

## Manómetro de colores

Coloured Pressure Gauge  
Manomètre à couleurs



Part nº Referencia	SCALE (bar) ESCALA (bar)	€
<b>MFI CO 06</b>	0-6	*

Ver pág. 87-88 de Tarifa Conducciones / See page 87-88 Connectors Price List / Voir page 87-88 du Tarif du Connectique

## Vacuómetro de colores

Coloured Vacuum Gauge  
Vacuomètre à couleurs



Part nº Referencia	SCALE (bar) ESCALA (bar)	€
<b>MFI VA 01</b>	-1-0	*

Ver pág. 87-88 de Tarifa Conducciones / See page 87-88 Connectors Price List / Voir page 87-88 du Tarif du Connectique

# Campanas y acoplamientos aluminio formato europeo

Aluminium bellhousings and couplings European format  
Lanternes et accouplements aluminium format européen

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

## Campanas aluminio formato europeo



Aluminium bellhousings european format  
Lanternes aluminium format européen

Part nº Referencia	SIZE TAMAÑO	MOTOR SIDE LADO MOTOR	PUMP SIDE LADO BOMBA	€
<b>LS161</b>	160 mm	0,3/0,5 HP	F 1	<b>20,33</b>
<b>LS201</b>	200 mm	0,75/2 HP	F 1	<b>24,40</b>
<b>LS250</b>	250 mm	3/5,5 HP	F 1	<b>35,33</b>
<b>LS203</b>	200 mm	0,75/2 HP	F 2	<b>24,84</b>
<b>LS252</b>	250 mm	3/5,5 HP	F 2	<b>32,12</b>
<b>LS300</b>	300 mm	7,5/12,5 HP	F 2	<b>60,54</b>
<b>L3511</b>	350 mm	15/30 HP	F 2	<b>125,84</b>
<b>LS255</b>	250 mm	3/5,5 HP	F 3	<b>39,29</b>
<b>LS302</b>	300 mm	7,5/12,5 HP	F 3	<b>60,54</b>
<b>L3513</b>	350 mm	15/30 HP	F 3	<b>121,98</b>
<b>LS306</b>	300 mm	7,5/12,5 HP	F 3.5	<b>63,68</b>
<b>L3507</b>	350 mm	15/30 HP	F 3.5	<b>178,28</b>
<b>LS355</b>	350 mm	15/20 HP	F 3.5	<b>168,57</b>
<b>L4006</b>	400 mm	40 HP	F 3.5	<b>223,17</b>

## Acoplamiento aluminio formato europeo



Aluminium couplings european format  
Accouplements aluminium format européen

Part nº Referencia	SIZE TAMAÑO	DESCRIPTION DESCRIPCIÓN	SPIDERS ESTRELLA	MOTOR SIDE LADO MOTOR	PUMP SIDE LADO BOMBA	€
<b>ND3</b>	11 mm	CILINDRICO	5158045	0,16/0,25 HP	F 1	<b>16,26</b>
<b>ND1A</b>	14 mm	CILINDRICO	5158045	0,35/0,5 HP	F 1	<b>16,26</b>
<b>ND2</b>	14 mm	CONICO 1:8	5158045	0,33/0,5 HP	F 1	<b>16,39</b>
<b>ND5</b>	19 mm	CONICO 1:8	5158045	0,75/1 HP	F 1	<b>17,77</b>
<b>ND8</b>	24 mm	CONICO 1:8	5158045	1,5/2 HP	F 1	<b>19,19</b>
<b>ND11</b>	28 mm	CONICO 1:8	5158055	3/5,5 HP	F 1	<b>25,01</b>
<b>ND7</b>	19 mm	CONICO 1:8	5158055	0,75/1 HP	F 2	<b>22,00</b>
<b>ND10</b>	24 mm	CONICO 1:8	5158055	1,5/2 HP	F 2	<b>22,00</b>
<b>ND13</b>	28 mm	CONICO 1:8	5158055	3/5,5 HP	F 2	<b>25,01</b>
<b>ND16</b>	38 mm	CONICO 1:8	5158074	7,5/12,5 HP	F 2	<b>48,18</b>
<b>ND43A</b>	42 mm	CONICO 1:8	5158074	15/20 HP	F 2	<b>90,10</b>
<b>ND15</b>	28 mm	CONICO 1:8	5158074	3/5,5 HP	F 3	<b>26,63</b>
<b>ND17</b>	38 mm	CONICO 1:8	5158074	7,5/12,5 HP	F 3	<b>51,76</b>
<b>ND43C</b>	42 mm	CONICO 1:8	5158104	15/20 HP	F 3	<b>90,10</b>
<b>ND18C</b>	38 mm	CONICO 1:8	5158104	7,5/12,5 HP	F 3.5	<b>51,76</b>
<b>ND21A</b>	42 mm	CONICO 1:8	5158104	15/20 HP	F 3.5	<b>96,57</b>
<b>ND25A</b>	48 mm	CONICO 1:8	5158104	25/30 HP	F 3.5	<b>111,53</b>
<b>ND41A</b>	55 mm	CONICO 1:8	5158104	31/40 HP	F 3.5	<b>120,07</b>
<b>ND44C</b>	48 mm	CONICO 1:8	5158104	25/30 HP	F 3	<b>118,88</b>

## Estrellas



Spiders  
Etoiles

Part nº Referencia	Ø OUTER Ø EXT.	€
<b>5158045</b>	45	<b>3,78</b>
<b>5158055</b>	55	<b>4,35</b>
<b>5158074</b>	74	<b>5,37</b>
<b>5158104</b>	104	<b>7,44</b>

# Acoplamiento de acero

Steel couplings

Accouplements acier

## Acoplamiento de tipo SN



Flexible couplings SN type  
Accouplement type SN

Part nº Referencia	EJE	SPIDERS ESTRELLA	DIAMETER (mm) DIÁMETRO (mm)	SPIDER TYPE TIPO ESTRELLA	MAX. TORQUE PAR MAX.	R.P.M.	€
<b>SN-75 V</b>	13-25	PUR	75	75x16	8	7000	<b>77,74</b>
<b>SN-75 V MEC CETOP</b>	13-25	PUR	75	75x16	8	7000	<b>99,86</b>
<b>SN-75 V MEC16</b>	13-25	PUR	75	75x16	8	7000	<b>99,86</b>
<b>SN-75 V MEC1616</b>	13-25	PUR	75	75x16	8	7000	<b>124,26</b>
<b>SN-120/20 V</b>	0-48	PUR	120	120x20	40	4500	<b>296,98</b>
<b>SN-120/20 C</b>	0-48	Caucho	120	120x20	40	4500	<b>261,20</b>
<b>SN-135 V</b>	0-52	PUR	135	135x25	65	4000	<b>363,34</b>
<b>SN-135 C</b>	0-52	Caucho	135	135x25	65	4000	<b>324,63</b>
<b>SN-150/28 V</b>	0-55	PUR	150	150x28	90	3500	<b>442,71</b>
<b>SN-150/28 C</b>	0-55	Caucho	150	150x28	90	3500	<b>400,75</b>
<b>SN-175 V</b>	0-70	PUR	175	175x32	135	3000	<b>587,78</b>
<b>SN-175 C</b>	0-70	Caucho	175	175x32	135	3000	<b>538,99</b>
<b>SN-200/35 V</b>	0-80	PUR	200	200x35	190	2750	<b>671,70</b>

## Acoplamiento de tipo SR



Flexible couplings SR type  
Accouplement type SR

Part nº Referencia	EJE	SPIDERS ESTRELLA	DIAMETER (mm) DIÁMETRO (mm)	SPIDER TYPE TIPO ESTRELLA	MAX. TORQUE PAR MAX.	R.P.M.	€
<b>SR-50 V</b>	0-19	PUR	50	50x10	1,2	10000	<b>58,23</b>
<b>SR-60 V</b>	0-24	PUR	60	60x14	3,5	8500	<b>64,73</b>
<b>SR-75 V</b>	13-34	PUR	75	75x16	8	7000	<b>95,96</b>
<b>SR-90 V</b>	13-40	PUR	90	90x20	16	6000	<b>163,62</b>
<b>SR-105/20 C</b>	0-48	Caucho	105	105x20	27	5500	<b>211,76</b>
<b>SR-105/20 V</b>	0-48	PUR	105	105x20	27	5500	<b>233,23</b>

## Acoplamiento de tipo SRL



Flexible couplings SRL type  
Accouplement type SRL

Part nº Referencia	EJE	SPIDERS ESTRELLA	DIAMETER (mm) DIÁMETRO (mm)	SPIDER TYPE TIPO ESTRELLA	MAX. TORQUE PAR MAX.	R.P.M.	€
<b>SRL-50 V</b>	0-20	PUR	50	50x10	1,2	10000	<b>62,45</b>
<b>SRL-60 V</b>	0-24	PUR	60	60x14	3,5	8500	<b>68,63</b>
<b>SRL-75 V</b>	13-34	PUR	75	75x16	8	7000	<b>111,57</b>
<b>SRL-75 V MEC25</b>	13-34	PUR	75	75x16	8	7000	<b>139,14</b>
<b>SRL-75 V MEC2525</b>	13-34	PUR	75	75x16	8	7000	<b>169,63</b>
<b>SRL-90 V</b>	13-45	PUR	90	90x20	16	6000	<b>189,64</b>
<b>SRL-105/20 C</b>	0-48	Caucho	105	105x20	27	5500	<b>244,61</b>
<b>SRL-105/20 V</b>	0-48	PUR	105	105x20	27	5500	<b>266,08</b>
<b>SRL-120/20 C</b>	0-48	Caucho	120	120x20	40	4500	<b>351,30</b>
<b>SRL-120/20 V</b>	0-48	PUR	120	120x20	40	4500	<b>387,08</b>
<b>SRL-135 C</b>	0-65	Caucho	135	135x25	65	4000	<b>478,81</b>
<b>SRL-135 V</b>	0-65	PUR	135	135x25	65	4000	<b>517,52</b>
<b>SRL-150 C</b>	0-70	Caucho	150	150x28	90	3500	<b>602,42</b>
<b>SRL-150 V</b>	0-70	PUR	150	150x28	90	3500	<b>644,38</b>
<b>SRL-175 C</b>	0-85	Caucho	175	175x32	135	3000	<b>805,72</b>
<b>SRL-175 V</b>	0-85	PUR	175	175x32	135	3000	<b>854,51</b>
<b>SRL-200/35 V</b>	0-100	PUR	200	200x35	190	2750	<b>1.056,84</b>
<b>SRL-200/40 V</b>	0-100	PUR	200	200x40	305	2750	<b>1.248,75</b>

# Acoplamiento de acero

Steel couplings  
Accouplements acier

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

Hydraulic cylinders

## Acoplamiento tipo SE



Flexible couplings SE type  
Accouplement type SE

Part nº Referencia	EJE	SPIDERS ESTRELLA	DIAMETER (mm) DIÁMETRO (mm)	SPIDER TYPE TIPO ESTRELLA	MAX. TORQUE PAR MAX.	R.P.M.	€
<b>SE-60 V</b>	0-24	PUR	60	60x14	3,5	8500	<b>76,12</b>

## Acoplamiento en inox 316L tipo SRL



Flexible couplings in S.S. 316L-SRL type  
Accouplement inox 316L -type SRL

Part nº Referencia	EJE	SPIDERS ESTRELLA	DIAMETER (mm) DIÁMETRO (mm)	SPIDER TYPE TIPO ESTRELLA	MAX. TORQUE PAR MAX.	R.P.M.	€
<b>Z SRL-50 V</b>	0-20	PUR	50	50x10	1,2	10000	<b>184,11</b>
<b>Z SRL-60 V</b>	0-24	PUR	60	60x14	3,5	8500	<b>246,24</b>
<b>Z SRL-75 V</b>	0-34	PUR	75	75x16	8	7000	<b>369,52</b>
<b>Z SRL-90 V</b>	0-45	PUR	90	90x20	16	6000	<b>538,01</b>
<b>Z SRL-105 V</b>	0-48	PUR	105	105x20	27	5500	<b>723,10</b>
<b>Z SRL-120 V</b>	0-55	PUR	120	120x20	40	4500	<b>1.062,36</b>

## Acoplamiento tipo TAPER sin casquillo



Flexible couplings type taper without bushing  
Accouplement type taper sans manchon

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	SPIDERS ESTRELLA	DIAMETER (mm) DIÁMETRO (mm)	SPIDER TYPE TIPO ESTRELLA	MAX. TORQUE PAR MAX.	R.P.M.	€
<b>TC-75</b>	para CASQ1108	PUR	75	75x16	8	6000	<b>130,76</b>
<b>TC-90</b>	para CASQ1210	PUR	90	90x20	16	5000	<b>209,48</b>
<b>TC-105</b>	para CASQ1610	PUR	105	105x20	27	4800	<b>306,09</b>
<b>TC-120</b>	para CASQ2012	PUR	120	120x20	40	4000	<b>410,18</b>
<b>TC-150</b>	para CASQ2517	PUR	150	150x28	90	3500	<b>632,02</b>
<b>TC-200</b>	para CASQ3020	PUR	200	200x30	158	2500	<b>992,10</b>

## Casquillo para acoplamiento TAPER



Bushing for flexible couplings TAPER  
Manchon pour accouplement type TAPER

Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>CASQ1108</b>	1/4"	para TC - 75	<b>11,67</b>
<b>CASQ1210</b>	3/8"	para TC - 90	<b>15,65</b>
<b>CASQ1610</b>	3/8"	para TC-105	<b>20,21</b>
<b>CASQ2012</b>	7/16"	para TC-120	<b>24,19</b>
<b>CASQ2517</b>	1/2"	para TC-150	<b>34,72</b>
<b>CASQ3020</b>	5/8"	para TC-200	<b>52,66</b>

Especificar el eje en los pedidos. / Specify the shaft in the orders. / Indiquez l'arbre dans les commandes.

# Estrellas

Spiders  
Étoiles

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders



## Estrellas caucho

Rubber spiders  
Étoiles caoutchouc

Part nº Referencia	Ø OUTER Ø EXT.	WIDTH (mm) ANCHURA	€
EC-75/16	75	16	26,02
EC-75/23	75	23	32,12
EC-90/16	90	16	32,12
EC-90/20	90	20	32,94
EC-105/20	105	20	47,57
EC-120/18	120	18	54,48
EC-120/20	120	20	66,68
EC-120/28	120	28	82,54
EC-135/25	135	25	82,54
EC-150/20	150	20	88,23
EC-150/28	150	28	97,99
EC-175/32	175	32	121,17
EC-200/25	200	25	133,77
EC-200/30	200	30	143,94

## Estrellas PUR

PUR spiders  
Étoiles PUR



Part nº Referencia	Ø OUTER Ø EXT.	WIDTH (mm) ANCHURA	€
EV-50/6	50	6	19,11
EV-50/10	50	10	19,11
EV-60/10	60	10	21,14
EV-60/14	60	14	21,14
EV-75/16	75	16	30,50
EV-90/16	90	16	39,85
EV-90/20	90	20	39,85
EV-105/20	105	20	64,24
EV-120/18	120	18	84,98
EV-120/20	120	20	90,27
EV-120/25	120	25	113,85
EV-135/25	135	25	116,29
EV-150/20	150	20	119,95
EV-150/28	150	28	128,49
EV-175/32	175	32	172,40
EV-200/25	200	25	195,58
EV-200/30	200	30	207,37
EV-200/35	200	35	220,78
EV-200/40	200	40	324,87



# Aceite hidráulico

Hydraulic oil  
Huile hydraulique

## Aceite hidráulico REPSOL TELEX E



Hydraulic oil REPSOL TELEX E  
Huile hydraulique REPSOL TELEX E

Part nº Referencia	CONTAINER ENVASE	VISCOSITY INDICE DE VISCOSIDAD	€
<b>TELEXE32-20</b>	20 lts	105	*
<b>TELEXE32-200</b>	200 lts	105	*
<b>TELEXE32-1000</b>	1000 lts	110	*
<b>TELEXE46-5</b>	5 lts	105	*
<b>TELEXE46-20</b>	20 lts	105	*
<b>TELEXE46-200</b>	200 lts	105	*
<b>TELEXE46-1000</b>	1000 lts	105	*
<b>TELEXE68-5</b>	5 lts	105	*
<b>TELEXE68-20</b>	20 lts	105	*
<b>TELEXE68-200</b>	200 lts	105	*
<b>TELEXE68-1000</b>	1000 lts	105	*

## Aceite hidráulico REPSOL TELEX HVLP



Hydraulic oil REPSOL TELEX HVLP  
Huile hydraulique REPSOL TELEX HVLP

Part nº Referencia	CONTAINER ENVASE	VISCOSITY INDICE DE VISCOSIDAD	€
<b>TELEXHV32-20</b>	20 lts		*
<b>TELEXHV32-200</b>	200 lts	150	*
<b>TELEXHV46-20</b>	20 lts	150	*
<b>TELEXHV46-200</b>	200 lts	150	*
<b>TELEXHV68-20</b>	20 lts	150	*
<b>TELEXHV68-50 *</b>	50 lts	150	*
<b>TELEXHV68-200</b>	200 lts	150	*

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

# Bombas/divisores de caudal/multiplicadores...

*Pumps/gear flow dividers/multigear...*

Pompes/diviseurs de débit/multiplicateurs...

## **Bombas manuales**

*Hand pumps*  
Pompes à main

26

## **Bombas de engranaje**

*Gear pumps*  
Pompes à engrènement

28

## **Accesorios Bombas y Motores**

*Accessories for gear pumps and motors*  
Accessoires pour pompes et moteurs

42

## **Motores engranaje**

*Gear Motors*  
Moteurs à engrènement

43

## **Multiplicadores, reductores, soporte trac.correa y embragues**

*Multigear and clutches*  
Multiplicateurs, réducteurs, contre-palier et embrayages

45

## **Divisores de caudal de engranajes**

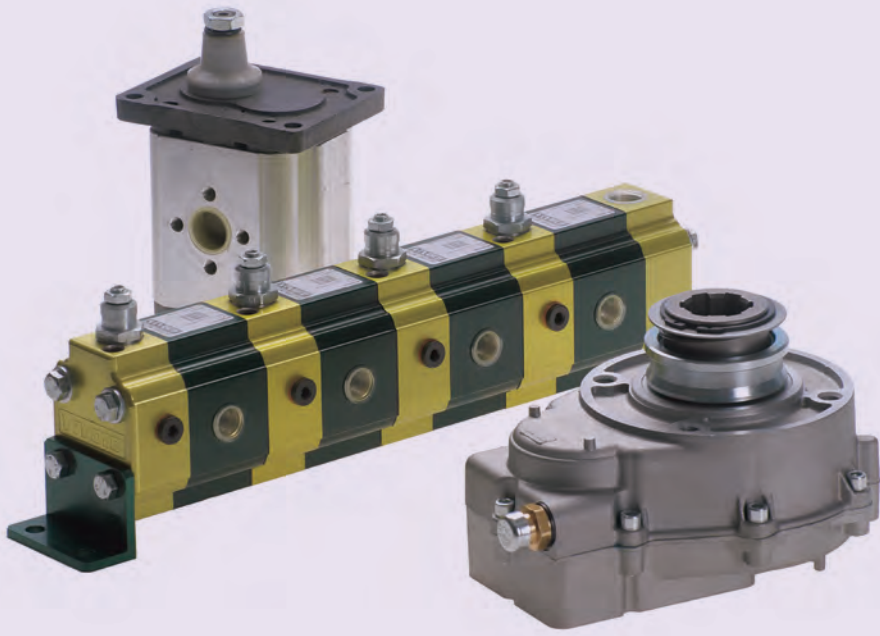
*Gear flow dividers*  
Diviseurs de débit à engrènement

47

## **Bombas de paletas**

*Complete vane pumps*  
Pompes à palettes complètes

50



# 2

## **Bombas y motores de pistones y recambios**

*Piston pumps and motors and spare parts*

Pompes et moteurs à piston et pièces de rechange

57

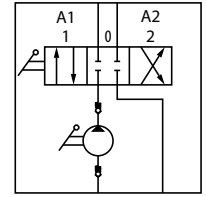
# Bombas manuales

Hydraulic hand pumps  
Pompes à main



## Bomba manual D.E. con depósito 5 lts y palanca

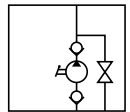
Hydraulic hand pump Doble Act., 5 l tank and lever  
Pompe man.D.E., réservoir 5L et levier



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	TANK DEPÓSITO	CM <sup>3</sup> /REV	€
<b>HPTD2505AL</b>	3/8" BSP	280	5	25	<b>519,05</b>

## Bomba manual S.E. para depósito separado

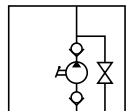
S.A. hand pump without tank  
Pompes manuelles S.E. pour réservoir séparé



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /REV	€
<b>HP20</b>	3/8" BSP	1/2" BSP	20	<b>185,17</b>
<b>HP50</b>	1/2" BSP	1/2" BSP	43	<b>212,18</b>
<b>HP70</b>	1/2" BSP	1/2" BSP	69	<b>312,48</b>

## Bomba manual S.E. (montaje sobre depósito, para palanca redonda)

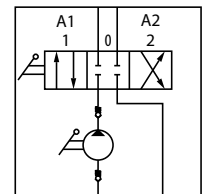
S.A. hand pump (fitting to tank, for round lever)  
Pompes manuelles S.E. (montage sur réservoir pour levier rond)



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /REV	€
<b>HPTSE 6</b>	3/8" BSP	250	6	<b>244,97</b>
<b>HPTSE 11</b>	3/8" BSP	250	11	<b>244,97</b>
<b>HPTSE 22</b>	3/8" BSP	250	22	<b>250,75</b>

## Bomba manual D.E. (montaje sobre depósito, para palanca redonda)

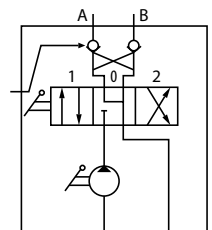
D.A. hand pump (fitting to tank, for round lever)  
Pompes manuelles D.E. (montage sur réservoir pour levier rond)



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /REV	€
<b>HPTD12</b>	1/4" BSP	320	12	<b>217,96</b>
<b>HPTD25</b>	1/4" BSP	300	25	<b>217,96</b>
<b>HPTD45</b>	1/4" BSP	250	45	<b>223,75</b>

## Bomba manual D.E. c/antirretornos

D.A. Hand pumps with non-return  
Pompe manuelle D.E. avec antiretour



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /REV	€
<b>HPTDVB 12</b>	3/8" BSP	250	12	<b>270,04</b>
<b>HPTDVB 25</b>	3/8" BSP	250	25	<b>270,04</b>
<b>HPTDVB 45</b>	3/8" BSP	250	45	<b>275,83</b>

# Bombas manuales

Hydraulic hand pumps  
Pompes à main

## Palancas para bombas manuales

Levers for hand pump  
Leviers pour pompes manuelles



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>LV27X600</b>	Standard	<b>16,40</b>

## Depósitos hierro

Iron tank  
Réservoirs en fer



Part nº Referencia	CAPACITY (l) CAPACIDAD (l)	€
<b>SR01FE</b>	1	<b>58,91</b>
<b>SR02FE</b>	2	<b>63,21</b>
<b>SR03FE</b>	3	<b>67,71</b>
<b>SR05FE</b>	5	<b>79,45</b>
<b>SR07FE</b>	7	<b>109,59</b>
<b>SR10FE</b>	10	<b>121,33</b>

## Depósitos aluminio con nivel

Aluminium tank with level  
Réservoir en aluminium avec niveau



Part nº Referencia	CAPACITY (l) CAPACIDAD (l)	€
<b>SR02ALO</b>	2	<b>129,24</b>
<b>SR03ALO</b>	3	<b>138,88</b>
<b>SR05ALO</b>	5	<b>152,38</b>

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

# Bombas de engranaje

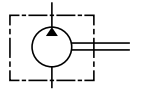
Gear pumps

Pompes à engrenage



## Bomba engr.Tapa 10/Eje tipo E/Bridas F/ Gr.I

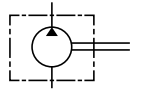
Gear pump 10 cover/E type shaft/R flanges/ Gr.I  
Pompe engr.Couv.10/Arbre type E/Bridas R/Gr.I



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
1L01.5DE10R	1L01.5IE10R	3/8" BSP	1/4" BSP	275	300	5000	1	*
1L03DE10R	1L03IE10R	3/8" BSP	1/4" BSP	275	300	5000	2	*
1L05DE10R	1L05IE10R	3/8" BSP	1/4" BSP	240	275	4000	3,3	*
1L07.5DE10R	1L07.5IE10R	1/2" BSP	3/8" BSP	185	200	3000	5	*
1L010DE10R	1L010IE10R	1/2" BSP	3/8" BSP	135	150	3000	6,6	*

## Bomba engr.Tapa 10/Eje tipo E/Bridas R/ Gr.I

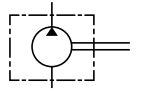
Gear pump 10 cover/E type shaft/F flanges/ Gr.I  
Pompe engr.Couv.10/Arbre type E/Bridas F/Gr.I



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
1L01.5DE10F	1L01.5IE10F	30	30	275	300	5000	1	*
1L03DE10F	1L03IE10F	30	30	275	300	5000	2	*
1L05DE10F	1L05IE10F	30	30	240	275	4000	3,3	*
1L07.5DE10F	1L07.5IE10F	30	30	185	200	3000	5	*
1L010DE10F	1L010IE10F	30	30	135	150	3000	6,6	*

## Bomba engr.Tapa 10/Eje tipo E/Bridas B/ Gr.II

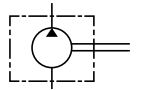
Gear pump 10 cover/E type shaft/B flanges/ Gr.II  
Pompe engr.Couv.10/Arbre type E/Bridas B/Gr.II



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
1L6DE10B	1L6IE10B	30	30	275	300	3500	4	*
1L9DE10B	1L9IE10B	30	30	275	300	3500	6	*
1L12DE10B	1L12IE10B	40	30	275	300	3500	8	*
1L16DE10B	1L16IE10B	40	30	275	300	3000	10,6	*
1L22DE10B	1L22IE10B	40	30	250	275	2500	14,6	*
1L27DE10B	1L27IE10B	40	30	225	250	2300	18	*
1L35DE10B	1L35IE10B	40	30	175	190	2000	23,3	*

## Bomba engr.Tapa 10/Eje tipo E/Bridas R/ Gr.II

Gear pump 10 cover/E type shaft/R flanges/ Gr.II  
Pompe engr.Couv.10/Arbre type E/Bridas R/Gr.II



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
1L6DE10R	1L6IE10R	1/2" BSP	3/8" BSP	275	300	3500	4	*
1L9DE10R	1L9IE10R	1/2" BSP	3/8" BSP	275	300	3500	6	*
1L12DE10R	1L12IE10R	1/2" BSP	3/8" BSP	275	300	3500	8	*
1L16DE10R	1L16IE10R	1/2" BSP	3/8" BSP	275	300	3000	10,6	*
1L22DE10R	1L22IE10R	1/2" BSP	3/8" BSP	250	275	2500	14,6	*
1L27DE10R	1L27IE10R	3/4" BSP	1/2" BSP	225	250	2300	18	*
1L35DE10R	1L35IE10R	3/4" BSP	1/2" BSP	175	190	2000	23,3	*

Para otras configuraciones, consultar / For other configurations, consult us / Pour d'autres configurations, consultez-nous

# Bombas de engranaje

Gear pumps  
Pompes à engrenage

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

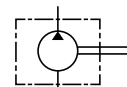
Vacuum and heat exchangers

Hydraulic cylinders

## Bomba engr.Tapa 23/Eje tipo J/Bridas F/ Gr.II



Gear pump 23 cover/J type shaft/F flange Gr.II  
Pompe engr.Couv.23/Arbre type J/Brides F/Gr.II

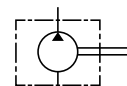


RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>1L6DJ23F</b>	<b>1L6IJ23F</b>	30	30	275	300	3500	4	*
<b>1L9DJ23F</b>	<b>1L9IJ23F</b>	40	35	275	300	3500	6	*
<b>1L12DJ23F</b>	<b>1L12IJ23F</b>	40	35	275	300	3500	8	*
<b>1L16DJ23F</b>	<b>1L16IJ23F</b>	40	35	275	300	3000	10,6	*
<b>1L22DJ23F</b>	<b>1L22IJ23F</b>	40	35	250	275	2500	14,6	*
<b>1L27DJ23F</b>	<b>1L27IJ23F</b>	40	35	225	250	2300	18	*
<b>1L35DJ23F</b>	<b>1L35IJ23F</b>	40	35	175	190	2000	23,3	*

## Bomba engr.Tapa 22/Eje tipo J/Bridas F/ Gr.II



Gear pump 22 cover/J type shaft/F flange Gr.II  
Pompe engr.Couv.22/Arbre type J/Brides F/Gr.II

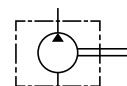


RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>1L6DJ22F</b>	<b>1L6IJ22F</b>	30	30	275	300	3500	4	*
<b>1L9DJ22F</b>	<b>1L9IJ22F</b>	40	35	275	300	3500	6	*
<b>1L12DJ22F</b>	<b>1L12IJ22F</b>	40	35	275	300	3500	8	*
<b>1L16DJ22F</b>	<b>1L16IJ22F</b>	40	35	275	300	3000	10,6	*
<b>1L22DJ22F</b>	<b>1L22IJ22F</b>	40	35	250	275	2500	14,6	*
<b>1L27DJ22F</b>	<b>1L27IJ22F</b>	40	35	225	250	2300	18	*
<b>1L35DJ22F</b>	<b>1L35IJ22F</b>	40	35	175	190	2000	23,3	*

## Bomba engr.Tapa 10/Eje tipo C/Bridas R/ Gr.II



Gear pump 10 cover/C type shaft/R flanges Gr.II  
Pompe engr.Couv.10/Arbre type C/Brides R/Gr.II

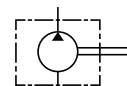


RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>1L9DC31R</b>	<b>1L9IC31R</b>	1/2" BSP	3/8" BSP	275	300	3500	6	*
<b>1L12DC31R</b>	<b>1L12IC31R</b>	1/2" BSP	3/8" BSP	275	300	3500	8	*
<b>1L16DC31R</b>	<b>1L16IC31R</b>	1/2" BSP	3/8" BSP	275	300	3000	10,6	*
<b>1L22DC31R</b>	<b>1L22IC31R</b>	1/2" BSP	3/8" BSP	250	275	2500	14,6	*
<b>1L27DC31R</b>	<b>1L27IC31R</b>	3/4" BSP	1/2" BSP	225	250	2300	18	*
<b>1L35DC31R</b>	<b>1L35IC31R</b>	3/4" BSP	1/2" BSP	175	190	2000	23,3	*

## Bomba engr.Tapa 10/Eje tipo T/Bridas R/ Gr.II



Gear pump 10 cover/T type shaft/R flanges Gr.II  
Pompe engr.Couv.10/Arbre type T/Brides R/Gr.II



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>1L9DT10R</b>	<b>1L9IT10R</b>	1/2" BSP	3/8" BSP	275	300	3500	6	*
<b>1L12DT10R</b>	<b>1L12IT10R</b>	1/2" BSP	3/8" BSP	275	300	3500	8	*
<b>1L16DT10R</b>	<b>1L16IT10R</b>	1/2" BSP	3/8" BSP	275	300	3000	10,6	*
<b>1L22DT10R</b>	<b>1L22IT10R</b>	1/2" BSP	3/8" BSP	250	275	2500	14,6	*
<b>1L27DT10R</b>	<b>1L27IT10R</b>	3/4" BSP	1/2" BSP	225	250	2300	18	*
<b>1L35DT10R</b>	<b>1L35IT10R</b>	3/4" BSP	1/2" BSP	175	190	2000	23,3	*

Para otras configuraciones, consultar / For other configurations, consult us / Pour d'autres configurations, consultez-nous

# Bombas de engranaje

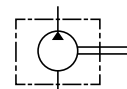
*Gear pumps*

*Pompes à engrenage*



## Bomba engr.Tapa 10/Eje tipo T/Bridas B/ Gr.II

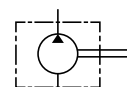
*Gear pump 10 cover/T type shaft/B flanges Gr.II*  
*Pompe engr.Couv.10/Arbre type T/Brides B/Gr.II*



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>1L9DT10B</b>	<b>1L9IT10B</b>	30	30	275	300	3500	6	*
<b>1L12DT10B</b>	<b>1L12IT10B</b>	40	30	275	300	3500	8	*
<b>1L16DT10B</b>	<b>1L16IT10B</b>	40	30	275	300	3000	10,6	*
<b>1L22DT10B</b>	<b>1L22IT10B</b>	40	30	250	275	2500	14,6	*
<b>1L27DT10B</b>	<b>1L27IT10B</b>	40	30	225	250	2300	18	*
<b>1L35DT10B</b>	<b>1L35IT10B</b>	40	30	175	190	2000	23,3	*

## Bomba engr.Tapa 09/Eje tipo G/Bridas R/ Gr.II

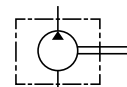
*Gear pump 09 cover/G type shaft/R flanges Gr.II*  
*Pompe engr.Couv.09/Arbre type G/Brides R/Gr.II*



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>1L9DG09R</b>	<b>1L9IG09R</b>	1/2" BSP	3/8" BSP	275	300	3500	6	*
<b>1L12DG09R</b>	<b>1L12IG09R</b>	1/2" BSP	3/8" BSP	275	300	3500	8	*
<b>1L16DG09R</b>	<b>1L16IG09R</b>	1/2" BSP	3/8" BSP	275	300	3000	10,6	*
<b>1L22DG09R</b>	<b>1L22IG09R</b>	1/2" BSP	3/8" BSP	250	275	2500	14,6	*
<b>1L27DG09R</b>	<b>1L27IG09R</b>	3/4" BSP	1/2" BSP	225	250	2300	18	*
<b>1L35DG09R</b>	<b>1L35IG09R</b>	3/4" BSP	1/2" BSP	175	190	2000	23,3	*

## Bomba engr.Tapa 09/Eje tipo G/Bridas B/ Gr.II

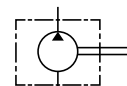
*Gear pump 09 cover/G type shaft/B flanges Gr.II*  
*Pompe engr.Couv.09/Arbre type G/Brides B/Gr.II*



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>1L9DG09B</b>	<b>1L9IG09B</b>	30	30	275	300	3500	6	*
<b>1L12DG09B</b>	<b>1L12IG09B</b>	40	30	275	300	3500	8	*
<b>1L16DG09B</b>	<b>1L16IG09B</b>	40	30	275	300	3000	10,6	*
<b>1L22DG09B</b>	<b>1L22IG09B</b>	40	30	250	275	2500	14,6	*
<b>1L27DG09B</b>	<b>1L27IG09B</b>	40	30	225	250	2300	18	*
<b>1L35DG09B</b>	<b>1L35IG09B</b>	40	30	175	190	2000	23,3	*

## Bomba engr.Tapa 10/Eje tipo E/Bridas R/ Gr.III

*Gear pump 10 cover/E type shaft/R flanges Gr.III*  
*Pompe engr.Couv.10/Arbre type E/Brides R/Gr.III*



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	DESCRIPTION DESCRIPCIÓN	€
<b>1PLA36DE10R</b>	<b>1PLA36IE10R</b>	3/4" BSP	1/2" BSP	250	275	2500	24		*
<b>1PLA45DE10R</b>	<b>1PLA45IE10R</b>	3/4" BSP	1/2" BSP	250	275	2500	30	BOMBA 1PLA45DE10R	*
<b>1PLA54DE10R</b>	<b>1PLA54IE10R</b>	3/4" BSP	1/2" BSP	225	250	2300	36	BOMBA 1PLA54DE10R	*
<b>1PLA66DE10R</b>	<b>1PLA66IE10R</b>	1" BSP	3/4" BSP	200	225	2300	44	BOMBA 1PLA66DE10R	*
<b>1PLA84DE10R</b>	<b>1PLA84IE10R</b>	1" BSP	3/4" BSP	175	200	2200	56	BOMBA 1PLA84DE10R	*

Para otras configuraciones, consultar / For other configurations, consult us / Pour d'autres configurations, consultez-nous



# Bombas de engranaje

Gear pumps

Pompes à engrenage

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

Joysticks and  
directional valves

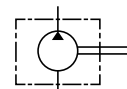
Vacuum and heat  
exchangers

Hydraulic cylinders

## Bomba engr.Tapa 10/Eje tipo E/Bridas B/ Gr.III



Gear pump 10 cover/E type shaft/B flanges Gr.III  
Pompe engr.Couv.10/Arbre type E/Bridas B/Gr.III

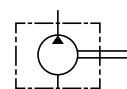


RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	DESCRIPTION DESCRIPCIÓN	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
1PLA36DE10B	1PLA36IE10B	51	40	BOMBA 1PLA36DE10B	250	275	2500	24	*
1PLA45DE10B	1PLA45IE10B	51	40	BOMBA 1PLA45DE10B	250	275	2500	30	*
1PLA54DE10B	1PLA54IE10B	51	40	BOMBA 1PLA54DE10B	225	250	2300	36	*
1PLA66DE10B	1PLA66IE10B	51	40	BOMBA 1PLA66DE10B	200	225	2300	44	*
1PLA84DE10B	1PLA84IE10B	51	40	BOMBA 1PLA84DE10B	175	200	2200	56	*

## Bomba engr.Tapa 23/Eje tipo J/Bridas F/ Gr.III



Gear pump 23 cover/J type shaft/F flanges Gr.III  
Pompe engr.Couv.23/Arbre type J/Bridas F/Gr.III

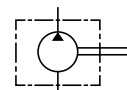


RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
1PLA66DJ23F	1PLA66IJ23F	55	55	200	225	2300	44	*
1PLA36DJ23F	1PLA36IJ23F	55	55	250	275	2500	24	*
1PLA45DJ23F	1PLA45IJ23F	55	55	250	275	2500	30	*
1PLA54DJ23F	1PLA54IJ23F	55	55	225	250	2300	36	*
1PLA84DJ23F	1PLA84IJ23F	55	55	175	200	2200	56	*

## Bomba engr.Tapa 09/Eje tipo G/Bridas B/ Gr.III



Gear pump 09 cover/G type shaft/B flanges Gr.III  
Pompe engr.Couv.09/Arbre type G/Bridas B/Gr.III

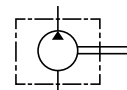


RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
1PLA36DG09B	1PLA36IG09B	51	40	250	275	2500	24	*
1PLA45DG09B	1PLA45IG09B	51	40	250	275	2500	30	*
1PLA54DG09B	1PLA54IG09B	51	40	225	250	2300	36	*
1PLA66DG09B	1PLA66IG09B	51	40	200	225	2300	44	*
1PLA84DG09B	1PLA84IG09B	51	40	175	200	2200	56	*

## Bomba engr.Tapa 09/Eje tipo G/Bridas R/ Gr.III



Gear pump 09 cover/G type shaft/R flanges Gr.III  
Pompe engr.Couv.09/Arbre type G/Bridas R/Gr.III



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
1PLA36DG09R	1PLA36IG09R	3/4" BSP	1/2" BSP	250	275	2500	24	*
1PLA45DG09R	1PLA45IG09R	3/4" BSP	1/2" BSP	250	275	2500	30	*
1PLA54DG09R	1PLA54IG09R	3/4" BSP	1/2" BSP	225	250	2300	36	*
1PLA66DG09R	1PLA66IG09R	1" BSP	3/4" BSP	200	225	2300	44	*
1PLA84DG09R	1PLA84IG09R	1" BSP	3/4" BSP	175	200	2200	56	*

Para otras configuraciones, consultar / For other configurations, consult us / Pour d'autres configurations, consultez-nous

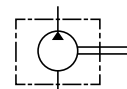
# Bombas de engranaje

*Gear pumps*

Pompes à engrenage

## Bomba engr.Tapa 09/Eje tipo C/Bridas B/ Gr.III

*Gear pump 09 cover/C type shaft/B flanges Gr.III*  
Pompe engr.Couv.09/Arbre type C/Brides B/Gr.III



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>1PLA36DC09B</b>	<b>1PLA36IC09B</b>	51	40	250	275	2500	24	*
<b>1PLA45DC09B</b>	<b>1PLA45IC09B</b>	51	40	250	275	2500	30	*
<b>1PLA54DC09B</b>	<b>1PLA54IC09B</b>	51	40	225	250	2300	36	*
<b>1PLA66DC09B</b>	<b>1PLA66IC09B</b>	51	40	200	225	2300	44	*
<b>1PLA84DC09B</b>	<b>1PLA84IC09B</b>	51	40	175	200	2200	56	*

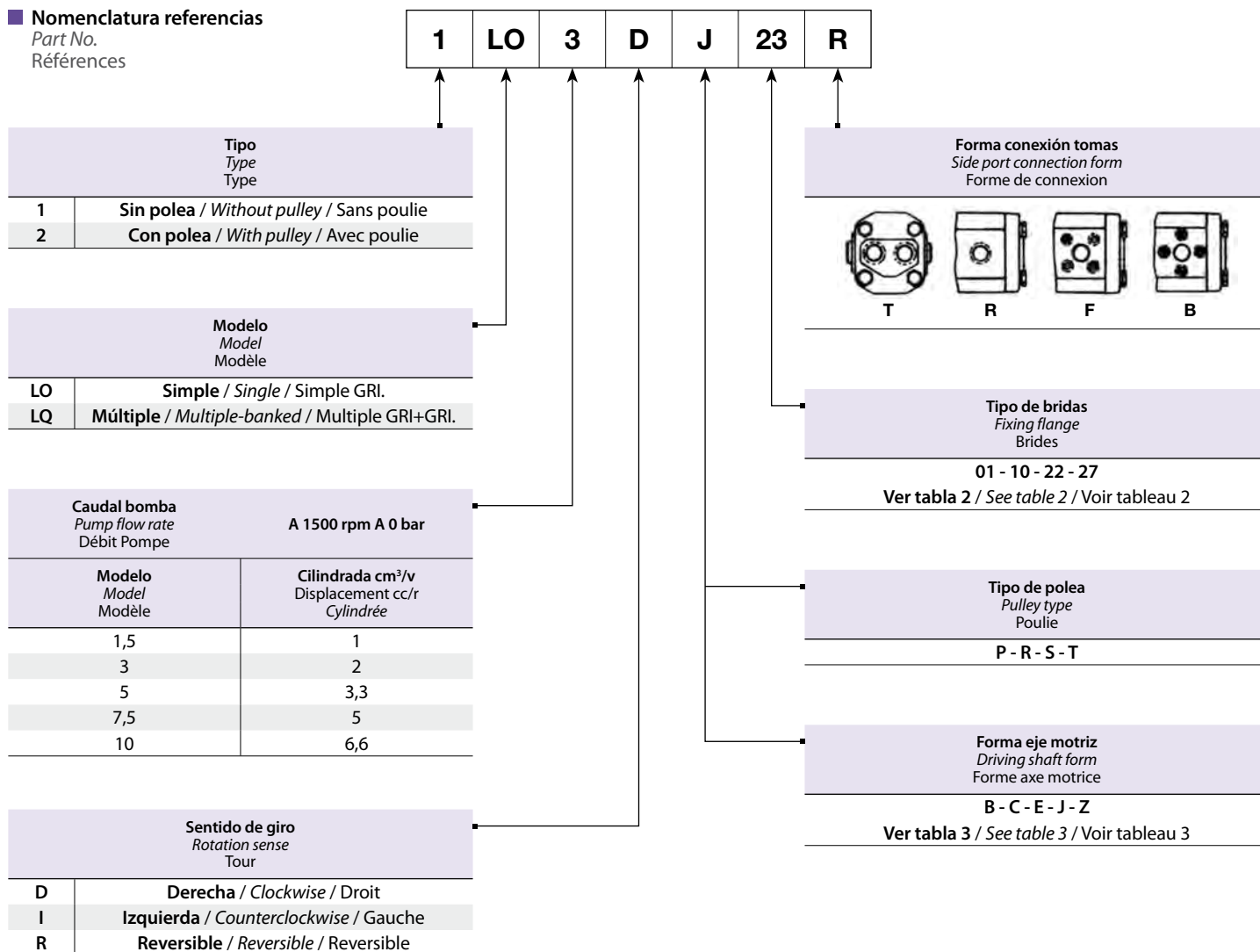
Para otras configuraciones, consultar / For other configurations, consult us / Pour d'autres configurations, consultez-nous

# Bombas de GRI - Modo de referenciación

GRI Pumps - Part N°  
Pompes GRI - Références

## Nomenclatura referencias

Part No.  
Références



## Motores de engranajes

Gear Motors  
Moteurs à Engrenages



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".  
Pour moteurs d'engrenages la configuration des références est la même, mais en y ajoutant la lettre 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.

Nous disposons d'un stock important de pompes et moteurs à engrenages: Pompes simples et multiples. Pompes spéciales pour tracteurs. Moteurs à engrenages, unidirectionnels et bidirectionnels.

**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).

Nous formons des pompes et des moteurs à engrenages, tant simples comme multiples, sous tous les formats, sous commande (voir pages suivantes).

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

# Bombas GR I - Bomba LO

GRI Pumps - LO Pumps  
Pompes GR I - Pompe LO

**Tabla 2** Table 2 Tableau 2

Tapa tipo · Flange type · Bride type <b>01</b>	Tapa tipo · Flange type · Bride type <b>09</b>	Tapa tipo · Flange type · Bride type <b>10</b>	Tapa tipo · Flange type · Bride type <b>22</b>
Tapa tipo · Flange type · Bride type <b>27</b>			

Otras tapas, consultar / Other flanges, on request / Toutes autres brides, consultez.

**Tabla 3** Table 3 Tableau 3

Eje tipo · Shaft type · Arbre type <b>B</b>	Eje tipo · Shaft type · Arbre type <b>C</b>	Eje tipo · Shaft type · Arbre type <b>E</b>	Eje tipo · Shaft type · Arbre type <b>F</b>
Eje tipo · Shaft type · Arbre type <b>J</b>	Eje tipo · Shaft type · Arbre type <b>L</b>	Eje tipo · Shaft type · Arbre type <b>R</b>	

Otros ejes, consultar / Other shafts, on request / Tous autres arbres, consultez.

# Bombas de GR II - Modo de referenciación

GR II Pumps - Part N°  
Pompes GR II - Références

## Nomenclatura referencias

Part No.  
Références

**1 L 12 D E 10 F**

### Tipo Type Type

1	Sin polea / Without pulley / Sans poulie
2	Con polea / With pulley / Avec poulie
5	Bomba con eje flotante y cojinete de refuerzo / Pump with back-up bearing and floating shaft / Pompe avec axe flottant et renforcement palier

### Modelo Model Modèle

L	Simple / Single / Simple GRII.
LM	Múltiple / Multiple-banked / Multiple L+L
LS	Múltiple / Multiple-banked / Multiple L+LO

### Caudal bomba Pump flow rate Débit Pompe

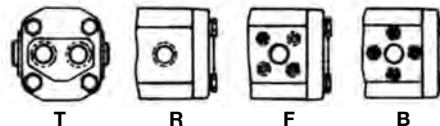
A 1500 rpm A 0 bar

Modelo Model Modèle	Cilindrada cm <sup>3</sup> /v Displacement cc/r Cylindrée
9	6
12	8
16	10,6
22	14,6
27	18
25	23,3

### Sentido de giro Rotation sense Tour

D	Derecha / Clockwise / Droit
I	Izquierda / Counterclockwise / Gauche
R	Reversible / Reversible / Reversible

### Forma conexión tomas Side port connection form Forme de connexion



### Tipo de bridas Fixing flange Brides

04 - 06 - 09 - 10 - 13 - 19 - 20 - 21 - 22 - 23 - 29 - 55 - 61  
Ver tabla 2 / See table 2 / Voir tableau 2

### Forma eje motriz Driving shaft form Forme axe motrice

A - B - C - E - F - G - H - J - K - P - Q - R - T - V - W  
Ver tabla 3 / See table 3 / Voir tableau 3

### Tipo de polea Pulley type Poulie

P - R - S - T

## Motores de engranajes

Gear Motors  
Moteurs à Engrenages

**1 M L 9 D J 23 R**

Para motores de engranajes la configuración de las referencias es la misma, pero añadiendo la letra M  
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Pour moteurs d'engrenages la configuration des références est la même, mais en y ajoutant la lettre M

**Amplio stock de bombas y motores de engranajes: Bombas simples y múltiples. Bombas especiales para tractores. Motores de engranajes unidireccionales y bidireccionales.**

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**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).

Nous formons des pompes et des moteurs à engrenages, tant simples comme multiples, sous tous les formats, sous commande (voir pages suivantes).

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

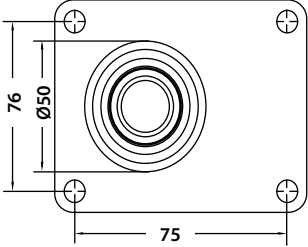
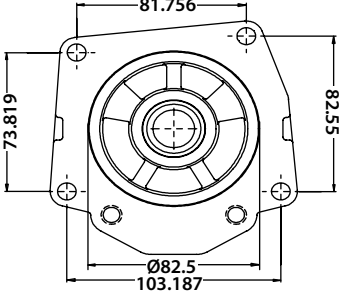
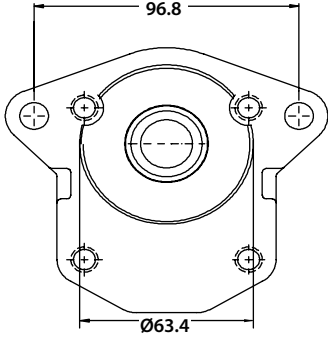
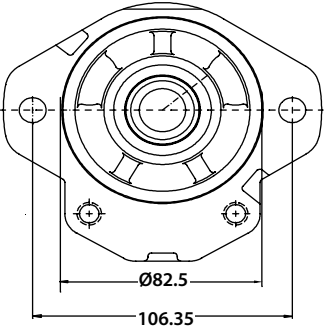
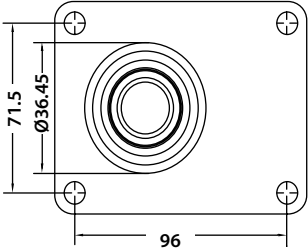
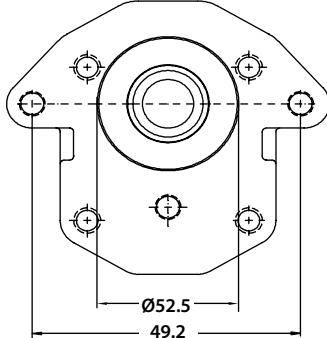
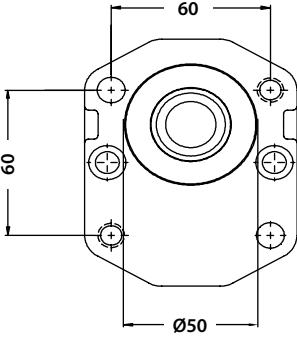
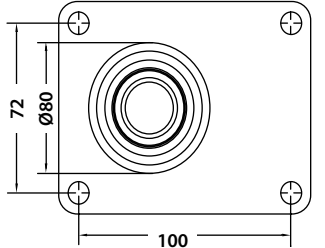
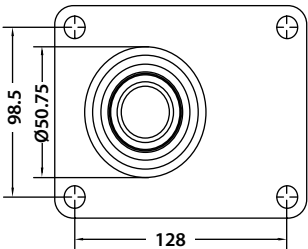
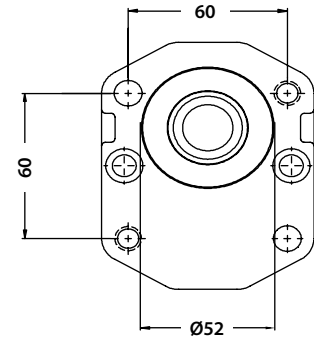
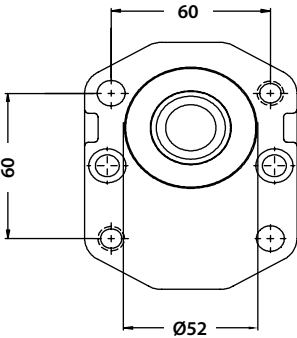
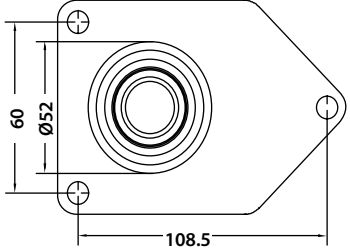
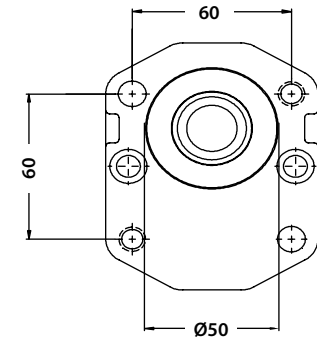
Vacuum and heat exchangers

Hydraulic cylinders

# Bombas GR II - Bombas L

GR II Pumps - L Pumps  
Pompes GR II - Pompe L

■ **Tabla 2** Table 2 Tableau 2

Tapa tipo · Flange type · Bride type <b>01</b>	Tapa tipo · Flange type · Bride type <b>04</b>	Tapa tipo · Flange type · Bride type <b>06</b>	Tapa tipo · Flange type · Bride type <b>09</b>
			
Tapa tipo · Flange type · Bride type <b>10</b>	Tapa tipo · Flange type · Bride type <b>21</b>	Tapa tipo · Flange type · Bride type <b>22</b>	Tapa tipo · Flange type · Bride type <b>23</b>
			
Tapa tipo · Flange type · Bride type <b>24</b>	Tapa tipo · Flange type · Bride type <b>26</b>	Tapa tipo · Flange type · Bride type <b>29</b>	Tapa tipo · Flange type · Bride type <b>40</b>
			
Tapa tipo · Flange type · Bride type <b>55</b>			
			

Otras tapas, consultar / Other flanges, on request / Toutes autres brides, consultez.

# Bombas GR II - Bombas L

GR II Pumps - L Pumps  
Pompes GR II - Pompe L

■ **Tabla 3** Table 3 Tableau 3

Eje tipo · Shaft type · Arbre type <b>A</b>	Eje tipo · Shaft type · Arbre type <b>B</b>	Eje tipo · Shaft type · Arbre type <b>C</b>	Eje tipo · Shaft type · Arbre type <b>E</b>
	<p>CARACTERÍSTICAS ESTRIADO: Pitch 16/32 (SAE J498b) Nº de dientes: 9 Ángulo de presión: 30°</p>		
<p>CARACTERÍSTICAS ESTRIADO: Pitch 16/32 (SAE J498b) Nº de dientes: 9 Ángulo de presión: 30°</p>			
	<p>CARACTERÍSTICAS ESTRIADO: DIN-5482 φ 17 X 14 Nº dientes = 9</p>		

Otros ejes, consultar / Other shafts, on request / Tous autres arbres, consultez.

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

Hydraulic cylinders

# Bombas de GR III - Modo de referenciación

GR III Pumps - Part N°  
Pompes GR III - Références

## Nomenclatura referencias

Part No.  
Références

1 PLA 36 D B 19 F

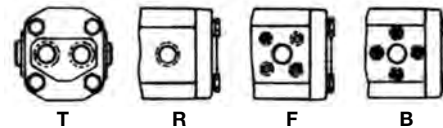
Tipo Type Type	
1	Sin polea / Without pulley / Sans poulie
2	Con polea / With pulley / Avec poulie
6	Bomba con eje estriado para montaje en ZF / Shaft section for mounting onto ZF / Pompe avec axe strié pour montage ZF

Modelo Model Modèle	
PLA	Simple / Single / Simple GRIII.
PLL	Múltiple / Multiple-banked / Multiple PLA-PLA GRIII+GRIII.
PLD	Múltiple / Multiple-banked / Multiple PLA+L GRIII+GRIII.
PLT	Múltiple / Multiple-banked / Multiple PLA+LO GRIII+GRIII.

Caudal bomba Pump flow rate Débit Pompe		A 1500 rpm A 0 bar
Modelo Model Modèle	Cilindrada cm <sup>3</sup> /v Displacement cc/r Cylindrée	
36	24	
45	30	
54	36	
66	44	
84	56	

Sentido de giro Rotation sense Tour	
D	Derecha / Clockwise / Droit
I	Izquierda / Counterclockwise / Gauche
R	Reversible / Reversible / Reversible

Forma conexión tomas  
Side port connection form  
Forme de connexion



Tipo de bridas  
Fixing flange  
Brides

01 - 09 - 10 - 19 - 23  
Ver tabla 2 / See table 2 / Voir tableau 2

Forma eje motriz  
Driving shaft form  
Forme axe motrice

A - B - C - D - E - G - I - J - K  
Ver tabla 3 / See table 3 / Voir tableau 3

Tipo de polea  
Pulley type  
Poulie

P - S - T

## Motores de engranajes

Gear Motors  
Moteurs à Engrenages

1 M PLA 36 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".  
Pour moteurs d'engrenages la configuration des références est la même, mais en y ajoutant la lettre M

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We assemble pumps and gear motors single or multiple, in all formats, on request (see following pages).

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# Bombas GR III - Bombas PLA

GR III Pumps - PLA Pumps  
Pompes GR III - Pompe PLA

■ **Tabla 2** Table 2 Tableau 4

Tapa tipo · Flange type · Bride type <b>01</b>	Tapa tipo · Flange type · Bride type <b>09</b>	Tapa tipo · Flange type · Bride type <b>10</b>
Tapa tipo · Flange type · Bride type <b>23</b>	Tapa tipo · Flange type · Bride type <b>50</b>	

Otras tapas, consultar / Other flanges, on request / Toutes autres brides, consultez.

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

Hydraulic cylinders

# Bombas GR III - Bombas PLA

GR III Pumps - PLA Pumps  
Pompes GR III - Pompe PLA

**Tabla 3** Table 3 Tableau 3

Eje tipo · Shaft type · Arbre type <b>A</b>	Eje tipo · Shaft type · Arbre type <b>B</b>	Eje tipo · Shaft type · Arbre type <b>C</b>	Eje tipo · Shaft type · Arbre type <b>D</b>
Eje tipo · Shaft type · Arbre type <b>E</b>	Eje tipo · Shaft type · Arbre type <b>F</b>	Eje tipo · Shaft type · Arbre type <b>G</b>	Eje tipo · Shaft type · Arbre type <b>H</b>
	<p>ANSI B92.1 CLASE 5 Ajuste lateral Ø Pith = 16/32 No. dientes = 15 Angulo presión = 30°</p>	<p>SAE J498b Ø Pith = 16/32 No. dientes = 13 Angulo presión = 30°</p>	
Eje tipo · Shaft type · Arbre type <b>J</b>	Eje tipo · Shaft type · Arbre type <b>K</b>	Eje tipo · Shaft type · Arbre type <b>L</b>	Eje tipo · Shaft type · Arbre type <b>T</b>
	<p>SAE J498b Ø Pith = 16/32 No. dientes = 13 Angulo presión = 30°</p>		<p>DIN-5482 (e9) Ø 28x25 No. de dientes 15</p>
Eje tipo · Shaft type · Arbre type <b>V</b>	Eje tipo · Shaft type · Arbre type <b>W</b>		
<p>Eje DIN-5463 Flancos rectos 6x21x25 No. nervios 6</p>			

Otros ejes, consultar / Other shafts, on request / Tous autres arbres, consultez.

# BOMBAS DE ENGRANAJE · GEAR PUMPS



- Posibilidad de montaje de bombas dobles, triples.
  - Distintos formatos combinando grupos GI/GII.
  - Transformaciones de cualquier tipo de bomba, ya que contamos con un amplio stock de recambios.
- 
- *Possibility of double and triple pumps assembly.*
  - *Different configurations by combining GI/GII pumps.*
  - *Transformations of any type of pump, as we have a wide stock of spare parts.*

**COMPROBACIÓN DE TODAS NUESTRAS COMPOSICIONES Y TRANSFORMACIONES EN BANCO DE PRUEBAS.  
OPERATIONAL TESTS OF ALL OUR CONFIGURATIONS AND TRANSFORMATIONS ON TEST BENCH.**



# Accesorios Bombas y Motores

Accessories for gear pumps and motors  
Accessoires pour pompes et moteurs

## 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

Part nº Referencia	THREAD ROSCA		DESCRIPTION DESCRIPCIÓN	Ø	€
<b>RP901038M</b>	3/8" BSP	M6X20* (x3)	Para bomba grupo 1	30	<b>9,96</b>
<b>RP901012M</b>	1/2" BSP	M6X20* (x3)	Para bomba grupo 1	30	<b>9,96</b>
<b>RP902012M</b>	1/2" BSP	M8X25* (x3)	Para bomba grupo 2	40	<b>13,82</b>
<b>RP902034M</b>	3/4" BSP	M8X25* (x3)	Para bomba grupo 2	40	<b>13,82</b>
<b>RP903A034M</b>	3/4" BSP	M10X30* (x3)	Para bomba grupo 3	51	<b>21,55</b>
<b>RP903A100M</b>	1" BSP	M10X30* (x3)	Para bomba grupo 3	51	<b>21,55</b>

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

## Brida recta



Straight flange  
Bride droite

Part nº Referencia	THREAD ROSCA		Ø	€
<b>RPI1M</b>	3/8" BSP	M6X16*	30	<b>16,80</b>
<b>RPI2M</b>	1/2" BSP	M8X20*	40	<b>21,42</b>
<b>RPI3AM</b>	3/4" BSP	M10X25*	51	<b>29,50</b>

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

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



90° Elbow for Bosch flange with 3 fixing holes  
Coude 90° pour bride Bosch avec 3 trous de fixation

Part nº Referencia	THREAD ROSCA		Ø	€
<b>GF3590038</b>	3/8" BSP	2-M6X35 / 2-M6X20*	35	<b>18,55</b>
<b>GF3590012</b>	1/2" BSP	2-M6X35 / 2-M6X20*	35	<b>18,55</b>
<b>GF4090012</b>	1/2" BSP	2-M6X45 / 2-M6X20*	40	<b>22,01</b>
<b>GF4090034</b>	3/4" BSP	2-M6X45 / 2-M6X20*	40	<b>22,01</b>

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

# Motores engranaje

Gear Motors

Moteurs à engrenage

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multipliar...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

## Motor engr.Tapa 10/Eje tipo E/Bridas R/ Gr.II



Gear motor 10 cover/E type shaft/R flanges/Gr.II  
Moteur engr.Couv.10/Arbre type E/Bridas R/Gr.II

Part nº Referencia	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>1ML9DE10R</b>	1/2" BSP	3/8" BSP	250	275	3500	6	*
<b>1ML12DE10R</b>	1/2" BSP	3/8" BSP	250	275	3500	8	*
<b>1ML16DE10R</b>	1/2" BSP	3/8" BSP	250	275	3000	10,6	*
<b>1ML22DE10R</b>	1/2" BSP	3/8" BSP	250	275	2500	14,6	*
<b>1ML27DE10R</b>	3/4" BSP	1/2" BSP	210	230	2300	18	*
<b>1ML35DE10R</b>	3/4" BSP	1/2" BSP	160	175	2000	23,3	*

## Motor engr.Tapa 09/Eje tipo G/Bridas B/ Gr.II



Gear motor 09 cover/G type shaft/B flanges/Gr.II  
Moteur engr.Couv.09/Arbre type G/Bridas B/Gr.II

Part nº Referencia	Ø ASPIRACIÓN (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>1ML9DG09B</b>	30	30	250	275	3500	6	*
<b>1ML12DG09B</b>	40	30	250	275	3500	8	*
<b>1ML16DG09B</b>	40	30	250	275	3000	10,6	*
<b>1ML22DG09B</b>	40	30	250	275	2500	14,6	*
<b>1ML27DG09B</b>	40	30	210	230	2300	18	*
<b>1ML35DG09B</b>	40	30	160	175	2000	23,3	*

## Motor engr.Tapa 10/Eje tipo C/Bridas R/ Gr.II



Gear motor 10 cover/C type shaft/R flanges/Gr.II  
Moteur engr.Couv.10/Arbre type C/Bridas R/Gr.II

Part nº Referencia	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>1ML9DC10R</b>	1/2" BSP	3/8" BSP	250	275	3500	6	*
<b>1ML12DC10R</b>	1/2" BSP	3/8" BSP	250	275	3500	8	*
<b>1ML16DC10R</b>	1/2" BSP	3/8" BSP	250	275	3000	10,6	*
<b>1ML22DC10R</b>	1/2" BSP	3/8" BSP	250	275	2500	14,6	*
<b>1ML27DC10R</b>	3/4" BSP	1/2" BSP	210	230	2300	18	*
<b>1ML35DC10R</b>	3/4" BSP	1/2" BSP	160	175	2000	23,3	*

DISPONIBLES TAMBIÉN MOTORES GR.II CON GIRO IZQUIERDAS, ADEMÁS DE MOTORES GR.I y GRIII, CON GIRO TANTO DE DERECHAS COMO DE IZQUIERDAS, Y REVERSIBLES TAMBIÉN. CONSULTAR DISPONIBILIDAD DE ÉSTAS Y OTRAS CONFIGURACIONES. / ALSO AVAILABLE MOTORS GR.II WITH LEFT TURN, MOTORS GR.I AND GRIII WITH TURN BOTH RIGHT AND LEFT, AND ALSO REVERSIBLE. CHECK AVAILABILITY FOR THESE AND OTHER SETTINGS. / DISPONIBLES MOTEURS GR.II AVEC ROTATION GAUCHE, MOTEURS GR.I ET GR.III AVEC ROTATION DROITE ET GAUCHE, ET AUSSI REVERSIBLE. VERIFIER LA DISPONIBILITE DE CEUX-CI ET D'AUTRES CONFIGURATIONS

# MOTORES DE ENGRANAJE • GEAR MOTORS

---

- Posibilidad de montaje de motores de engranaje
  - Tres tipos de formato disponible.
- Montamos bombas y motores tanto simples como múltiples, en todos los formatos, bajo pedido.
  - 
  - *Possibility of motors assembly.*
  - *Three differents motors groups.*
- *We assembly single or multiple pumps and gear motors, in all formats, upon order.*



# Multiplicadores, reductores, soporte trac.correa y embragues

*Multigear and clutches*

Multiplicateurs, réducteurs, contre-palier et embrayages

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

Hydraulic cylinders

## Multiplicadores (sin seminado)



*Speed inc.gears without splin.half-coup.*  
Multiplicateur (sans manchon cannelé)

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	EXIT SALIDA	RELATION RELACIÓN	€
<b>MULTIPLI.F-II-1</b>	Para bomba F.II	Hembra	1:2	<b>489,25</b>
<b>MULTIPLI.F-II</b>	Para bomba F.II	Hembra	1 : 3,4	<b>248,58</b>
<b>MULTIPLI.F.II-MACHO-1</b>	Para bomba F-II	Macho	1:2	<b>448,11</b>
<b>MULTIPLI.F.II-MACHO</b>	Para bomba F-II	Macho	1:3,8	<b>256,44</b>
<b>MULTIPLI.F.III-1</b>	Para bomba F-III	Hembra	1:2	<b>678,37</b>
<b>MULTIPLI.F.III</b>	Para bomba F-III	Hembra	1:3,4	<b>335,23</b>
<b>MULTIPLI.F.III-MACHO-1</b>	Para bomba F.III	Macho	1:2	<b>646,75</b>
<b>MULTIPLI.F.III-MACHO</b>	Para bomba F.III	Macho	1:3,8	<b>320,09</b>

## Seminudos



*Splined half-couplings*  
Manchon cannelé extérieur-conique intérieur

Part nº Referencia	Ø OUTER Ø EXT.	DESCRIPTION DESCRIPCIÓN	TEETH NR. Nº DIENTES	€
<b>NUEZ F.I</b>	25x22 mm	Cono 1 : 8 - F.I	14	<b>11,95</b>
<b>NUEZ F.II</b>	25x22 mm	Cono 1 : 8 - F.II	14	<b>10,53</b>
<b>NUEZ F.III</b>	35x31 mm	Cono 1 : 8 - F. III	18	<b>11,95</b>
<b>NUEZ F.II-F.III</b>	35x31 mm	Cono 1 : 8 - F.II-F.III	18	<b>13,41</b>

## Embragues eléctricos sin seminado



*Electrical clutches without splined half-coupling*  
Embrayages electromagnetiques (sans manchon cannelé)

Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	MAX. TORQUE PAR MAX.	R.P.M.	€
<b>EE10-12</b>	12 VDC	10 (mts/Kg)	2000	<b>726,26</b>
<b>EE10-24</b>	24 VDC	10 (mts/Kg)	2000	<b>726,26</b>

NUEZ F.II-F.III válido para estos embragues / NUEZ F.II-F.III valid for these clutches / NUEZ F.II-F.III valide pour ces embrayages

## Embragues mecanicos sin seminado



*Mechanical clutches without splined haf-coupling*  
Embrayages mecaniques (sans manchon cannelé)

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	MAX. TORQUE PAR MAX.	R.P.M.	€
<b>EM05</b>	Para bomba F.I y F.II-Giro a derecha	9 (mts/Kg)	2000	<b>510,23</b>
<b>EM1</b>	Para bomba F.III-Giro dcha	19 (mts/Kg)	2700	<b>648,08</b>

## Soporte tracción correa (sin seminado)



*Support drive without splined half-coupling*  
Contre paliers (sans manchon cannelé)

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	AXIAL CHARGE (mts/kg) CARGA AXIAL (mts/kg)	EXIT SALIDA	€
<b>SOPORTE F.I</b>	Para bomba F.I	100	Eje cilindrico 18 mm	<b>128,01</b>
<b>SOPORTE F.I CONICO</b>	Para bombas F.I	100	Eje conico 1:8	<b>128,01</b>
<b>SOPORTE F.II</b>	Para bombas F.II	170	Eje cilindrico 18 mm	<b>147,22</b>
<b>SOPORTE F.II CONICO</b>	Para bombas F.II	170	Eje conico 1 : 8	<b>147,22</b>
<b>SOPORTE F.III</b>	Para bombas F.III	320	Eje cilindrico 24 mm	<b>222,55</b>
<b>SOPORTE F.III CONICO</b>	Para bombas F.III	320	Eje conico 1 : 8	<b>222,56</b>

# Multiplicadores, reductores, soporte trac.correa y embragues

*Multigear and clutches*

Multiplicateurs, réducteurs, contre-palier et embrayages

## Reductores-alto par

*Speed decrease gear- high torque*  
Réducteurs - couple élevé



Part nº Referencia	POWER (W) POTENCIA (W)	FOR MOTOR PARA MOTOR	RELATION RELACIÓN	INLET RFM RPM MAX EN ENTRADA	INLET TORQUE N.M PAR DE ENTRADA N.M	OUTLET TORQUE N.M PAR DE SALIDA N.M	€
<b>REDAP01.5</b>	20 KW	Brida SAE y eje cilind. 25 mm	1 : 1,5	300	320	480	<b>579,12</b>
<b>REDAP02</b>	20KW	Brida SAE y eje cilind. 25 mm	1 : 2	400	242	485	<b>579,12</b>
<b>REDAP02.5</b>	20KW	Brida SAE y eje cilind. 25 mm	1 : 2,5	500	208	520	<b>544,20</b>
<b>REDAP03</b>	20KW	Brida SAE y eje cilind. 25 mm	1 : 3	600	19	570	<b>533,87</b>
<b>REDAP03.5</b>	20KW	Brida SAE y eje cilind. 25 mm	1 : 3,5	680	151	530	<b>533,86</b>
<b>REDAP03.8</b>	20KW	Brida SAE y eje cilind. 25 mm	1 : 3,8	760	138	525	<b>544,20</b>

## Reductores-par normal

*Reduction gear-single fase run capacitor*  
Réducteurs - couple normal



Part nº Referencia	POWER (W) POTENCIA (W)	FOR MOTOR PARA MOTOR	RELATION RELACIÓN	INLET RFM RPM MAX EN ENTRADA	INLET TORQUE N.M PAR DE ENTRADA N.M	OUTLET TORQUE N.M PAR DE SALIDA N.M	€
<b>REDBP01.5</b>	10KW	Brida SAE y eje cilind. 25 mm	1 : 1,5	300	131	196	<b>374,46</b>
<b>REDBP02</b>	10KW	Brida SAE y eje cilind. 25 mm	1 : 2	400	88	176	<b>367,34</b>
<b>REDBP02.5</b>	10KW	Brida SAE y eje cilind. 25 mm	1 : 2,5	500	77	192	<b>318,26</b>
<b>REDBP03</b>	10KW	Brida SAE y eje cilind. 25 mm	1 : 3	600	67	201	<b>318,23</b>
<b>REDBP03.5</b>	10KW	Brida SAE y eje cilind. 25 mm	1 : 3,5	680	63	214	<b>318,26</b>
<b>REDBP03.8</b>	10KW	Brida SAE y eje cilind. 25 mm	1 : 3,8	760	49	186	<b>318,26</b>



# Divisores de caudal de engranajes

Gear flow dividers

Diviseurs de débit à engrenage

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

## Divisores sin válvulas - grupo 0

Flow dividers without valve - group 0

Diviseurs sans valves - groupe 0



Part nº Referencia	GROUP GRUPO	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /BODY CM <sup>3</sup> X CUERPO	BODIES NR. Nº CUERPOS	R.P.M.	€
9D0204	0	0,6	3	210	0,45	2	7500	523,65
9D0207	0	1,2	5,6	210	0,98	2	7500	523,64
9D0211	0	1,9	8	210	1,52	2	7500	523,65
9D0406	0	1	4,8	210	0,76	4	7500	1.047,29
9D0407	0	1,2	5,6	210	0,98	4	7500	1.047,29
9RD0609	0	1,5	7,2	210	1,27	6	7500	1.570,92

## Divisores sin válvulas - grupo 1

Flow dividers without valve - group 1

Diviseurs sans valves - groupe 1



Part nº Referencia	GROUP GRUPO	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /BODY CM <sup>3</sup> X CUERPO	BODIES NR. Nº CUERPOS	R.P.M.	€
9D0216	1	1	6	220	0,9	2	6500	578,18
9D0221	1	3	15,5	220	2,6	2	6500	578,18
9D0227	1	4,5	23	220	4,3	2	6500	578,18
9D0231	1	6,5	30	220	5,9	2	6500	610,49
9D0234	1	8,5	35,5	210	7,8	2	6500	610,49
9D0236	1	11	41	200	9,8	2	6500	610,49
9D0418	1	2	9	220	1,7	4	6500	1.156,36
9D0421	1	3	15,5	220	2,6	4	6500	1.156,36
9D0427	1	4,5	23	220	4,3	4	6500	1.156,36
9D0431	1	6,5	30	220	5,9	4	6500	1.220,98
9D0621	1	3	15,5	220	2,6	6	6500	1.734,54
9D0821	1	3	15,5	220	2,6	8	6500	2.312,73
9D0831	1	6,5	30	220	5,9	8	6500	2.441,91

## Divisores sin válvulas - grupo 2

Flow dividers without valve - group 2

Diviseurs sans valves - groupe 2



Part nº Referencia	GROUP GRUPO	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /BODY CM <sup>3</sup> X CUERPO	BODIES NR. Nº CUERPOS	R.P.M.	€
9D0247	2	13,2	27,5	210	11	2	2500	708,20
9D0249	2	16,8	35	200	14	2	2500	729,05
9D0251	2	20,4	42,5	200	17	2	2500	729,05
9D0253	2	22,8	47,5	190	19	2	2500	764,74
9D0255	2	26,4	55	180	22	2	2500	764,74
9D0257	2	31,2	65	160	26	2	2500	764,74
9D0259	2	36	75	160	30	2	2500	828,19
9D0347	2	13,2	27,5	210	11	3	2500	1.062,29
9D0263	2	48	100	130	40	2	2500	828,19
9D0357	2	31,2	65	160	26	3	2500	1.147,11
9D0447	2	13,2	27,5	210	11	4	2500	1.416,39
9RD0459	2	36	75	160	30	4	2500	1.713,49

# Divisores de caudal de engranajes

*Gear flow dividers*

Diviseurs de débit à engrenage

## Divisores con válvulas - grupo 0



*Flow dividers with valve - group 0*

Diviseurs avec valves - groupe 0

Part nº Referencia	GROUP GRUPO	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	CM <sup>3</sup> /BODY CM <sup>3</sup> X CUERPO	BODIES NR. Nº CUERPOS	R.P.M.	€
<b>9V020401</b>	0	0,6	3	210	0,45	2	7500	<b>821,57</b>
<b>9V020701</b>	0	1,2	5,6	210	0,98	2	7500	<b>821,57</b>
<b>9V021101</b>	0	1,9	8	210	1,52	2	7500	<b>821,57</b>
<b>9V021301</b>	0	2,6	10,3	210	2,30	2	7500	<b>870,83</b>
<b>9V040201</b>	0	0,3	1,8	220	0,25	4	6500	<b>1.819,82</b>
<b>9V040202</b>	0	0,3	1,8	220	0,25	4	6500	<b>1.819,82</b>
<b>9V040602</b>	0	1	4,8	210	0,76	4	7500	<b>1.643,10</b>
<b>9V041101</b>	0	1,9	8	210	1,52	4	7500	<b>1.643,10</b>

Campo de regulación diferente de las válvulas (ver ficha técnica en web) / Regulation rate different from the valves (see technical data in web) / Plage de régulation différente des valves (voir fiches techniques web)

## Divisores con válvulas - grupo 1



*Flow dividers with valve - group 1*

Diviseurs avec valves - groupe 1

Part nº Referencia	GROUP GRUPO	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	CM <sup>3</sup> /BODY CM <sup>3</sup> X CUERPO	BODIES NR. Nº CUERPOS	R.P.M.	€
<b>9V022102</b>	1	3	15,5	220	2,6	2	6500	<b>909,91</b>
<b>9V022502</b>	1	4	21	220	3,8	2	6500	<b>909,91</b>
<b>9V022702</b>	1	4,5	23	220	4,3	2	6500	<b>909,91</b>
<b>9V023102</b>	1	6,5	30	220	5,9	2	6500	<b>946,30</b>
<b>9V023402</b>	1	8,5	35,5	210	7,8	2	6500	<b>946,30</b>
<b>9V023602</b>	1	11	41	200	9,8	2	6500	<b>946,30</b>
<b>9V032102</b>	1	3	15,5	220	2,6	3	6500	<b>1.364,77</b>
<b>9V041802</b>	1	2	9	220	1,7	4	6500	<b>1.819,82</b>
<b>9V042102</b>	1	3	15,5	220	2,6	4	6500	<b>1.819,82</b>
<b>9V042702</b>	1	4,5	23	220	4,3	4	6500	<b>1.819,82</b>
<b>9V043102</b>	1	6,5	30	220	5,9	4	6500	<b>1.892,60</b>
<b>9V043402</b>	1	8,5	35,5	210	7,8	4	6500	<b>1.892,60</b>
<b>9V053202</b>	1	7,5	32	220	6,5	5	6500	<b>2.365,76</b>

## Divisores con válvulas - grupo 2



*Flow dividers with valve - group 2*

Diviseurs avec valves - groupe 2

Part nº Referencia	GROUP GRUPO	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	CM <sup>3</sup> /BODY CM <sup>3</sup> X CUERPO	BODIES NR. Nº CUERPOS	R.P.M.	€
<b>9V024702</b>	2	13,2	27,5	210	11	2	2500	<b>1.079,10</b>
<b>9V024902</b>	2	16,8	35	200	14	2	2500	<b>1.100,32</b>
<b>9V025102</b>	2	20,4	45	200	17	2	2500	<b>1.100,32</b>
<b>9V025302</b>	2	22,8	47,5	190	19	2	2500	<b>1.138,18</b>
<b>9V025502</b>	2	26,4	55	180	22	2	2500	<b>1.138,18</b>
<b>9V025702</b>	2	31,2	65	160	26	2	2500	<b>1.138,18</b>
<b>9V025902</b>	2	36	75	160	30	2	2500	<b>1.206,82</b>
<b>9V044502</b>	2	10,8	22,5	210	9	4	2500	<b>2.158,20</b>
<b>9V044702</b>	2	13,2	27,5	210	11	4	2500	<b>2.158,20</b>

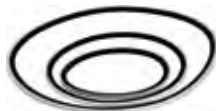
# Divisores de caudal de engranajes

*Gear flow dividers*

Diviseurs de débit à engrenage

## Juntas divisores 9D/9V

*Seals for the flow dividers 9D/9V*  
Joints diviseurs 9D/9V



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>JJMVO</b>	KV0DF/KV0DFV	<b>7,06</b>
<b>JJRVDF</b>	RVDF/RVDFV	<b>8,43</b>
<b>JJWVO</b>	WVO	<b>7,05</b>
<b>JJMV1</b>	KV1DF/KV1DFV	<b>5,21</b>
<b>JJMV2</b>	KV2DF/KV2DFV	<b>14,43</b>

## Juntas divisores RV

*Seals for the flow dividers RV*  
Joints diviseurs RV



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>JJMRV0</b>	JUNTAS DIVISOR GR.0 TIPO RV-0	<b>5,15</b>
<b>JJMRV1</b>	JUNTAS DIVISOR GR.1 TIPO RV-DF	<b>8,43</b>
<b>JJMRV2D</b>	JUNTAS DIVISOR GR.2 TIPO RV-2D	<b>10,82</b>
<b>JJMRV2V</b>	JUNTAS DIVISOR GR.2 TIPO RV-2V	<b>13,69</b>

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

# Bombas de paletas

Complete vane pumps  
Pompes à palettes complètes



## Bombas simples tipo BQ01G

Simple pumps BQ01G type  
Pompes simples type BQ01G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>BQ01G21C01</b>	21	<b>818,37</b>
<b>BQ01G32C01</b>	32	<b>818,37</b>
<b>BQ01G35C01</b>	35	<b>818,37</b>
<b>BQ01G42C01</b>	42	<b>818,37</b>
<b>BQ01G46C01</b>	46	<b>818,37</b>
<b>BQ01G55C01</b>	55	<b>818,37</b>

## Bombas simples tipo BQ02G

Simple pumps BQ02G type  
Pompes simples type BQ02G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>BQ02G47C01</b>	47	<b>935,69</b>
<b>BQ02G53C01</b>	53	<b>935,69</b>
<b>BQ02G64C01</b>	64	<b>935,69</b>
<b>BQ02G71C01</b>	71	<b>935,69</b>
<b>BQ02G79C01</b>	79	<b>935,69</b>

## Bombas simples tipo BQ03G

Simple pumps BQ03G type  
Pompes simples type BQ03G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>BQ03G24C01</b>	90	<b>1.070,32</b>
<b>BQ03G28C01</b>	106	<b>1.070,32</b>

## Bombas simples tipo BQ04G

Simple pumps BQ04G type  
Pompes simples type BQ04G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>BQ04G80C01</b>	80	<b>1.145,34</b>
<b>BQ04G94C01</b>	94	<b>1.145,34</b>
<b>BQ04G114C01</b>	114	<b>1.145,34</b>
<b>BQ04G131C01</b>	131	<b>1.145,34</b>
<b>BQ04G140C01</b>	140	<b>1.145,34</b>

## Bombas simples tipo BQ05G

Simple pumps BQ05G type  
Pompes simples type BQ05G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>BQ05G164C01</b>	164	<b>1.489,60</b>
<b>BQ05G180C01</b>	180	<b>1.489,60</b>
<b>BQ05G189C01</b>	189	<b>1.489,60</b>
<b>BQ05G217C01</b>	217	<b>1.489,60</b>
<b>BQ05G230C01</b>	230	<b>1.489,60</b>

# Bombas de paletas

Complete vane pumps  
Pompes à palettes complètes

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

## Bombas dobles tipo BQ21G



Doble pumps BQ21G type  
Pompes double type BQ21G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
BQ21G2121CC01	21-21	1.647,31
BQ21G3221CC01	32-21	1.647,31
BQ21G3232CC01	32-32	1.647,31
BQ21G4221CC01	42-21	1.647,31
BQ21G4232CC01	42-32	1.647,31
BQ21G4242CC01	42-42	1.647,31
BQ21G4742CC01	47-42	1.647,31
BQ21G4747CC01	47-47	1.647,31
BQ21G15521CC01	55-21	1.647,31
BQ21G15542CC01	55-42	1.647,31
BQ21G5532CC01	55-32	1.647,31
BQ21G5547CC01	55-47	1.647,31
BQ21G5555CC01	55-55	1.647,31

## Bombas dobles tipo BQ41G



Doble pumps BQ41G type  
Pompes doubles type BQ41G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
BQ41G5547CC01	55-47	1.840,12
BQ41G5555CC01	55-55	1.840,12
BQ41G6447CC01	64-47	1.840,12
BQ41G6455CC01	64-55	1.840,12
BQ41G6464CC01	64-64	1.840,12
BQ41G7147CC01	71-47	1.840,12
BQ41G7155CC01	71-55	1.840,12
BQ41G7164CC01	71-64	1.840,12
BQ41G7171CC01	71-71	1.840,12
BQ41G7947CC01	79-47	1.840,12
BQ41G7955CC01	79-55	1.840,12
BQ41G7964CC01	79-64	1.840,12
BQ41G7971CC01	79-71	1.840,12
BQ41G7979CC01	79-79	1.840,12

## Bombas dobles tipo BQ42G



Doble pumps BQ42G type  
Pompes doubles type BQ42G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
BQ42G5547CC01	55-47	1.971,86
BQ42G5555CC01	55-55	1.971,86
BQ42G6447CC01	64-47	1.971,86
BQ42G6455CC01	64-55	1.971,86
BQ42G6464CC01	64-64	1.971,86
BQ42G7147CC01	71-47	1.971,86
BQ42G7155CC01	71-55	1.971,86
BQ42G7164CC01	71-64	1.971,86
BQ42G7171CC01	71-71	1.971,86
BQ42G7947CC01	79-47	1.971,86
BQ42G7955CC01	79-55	1.971,86
BQ42G7964CC01	79-64	1.971,86
BQ42G7971CC01	79-71	1.971,86
BQ42G7979CC01	79-79	1.971,86

# Bombas de paletas

Complete vane pumps  
Pompes à palettes complètes



## Bombas dobles tipo BQ51G

Doble pumps BQ51G type  
Pompes double type BQ51G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
BQ51G11479CC01	114-79	2.229,58
BQ51G11494CC01	117-94	2.229,58
BQ51G114114CC01	114-114	2.229,58
BQ51G13179CC01	131-79	2.229,58
BQ51G13194CC01	131-94	2.229,58
BQ51G131114CC01	131-114	2.229,58
BQ51G131131CC01	131-131	2.229,58
BQ51G14079CC01	140-79	2.229,58
BQ51G14094CC01	140-94	2.229,58
BQ51G140114CC01	140-114	2.229,58
BQ51G140131CC01	140-131	2.229,58
BQ51G140140CC01	140-140	2.229,58

## Bombas dobles tipo BQ52G

Doble pumps BQ52G type  
Pompes doubles type BQ52G



Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
BQ52G11479CC01	114-79	2.370,94
BQ52G11494CC01	114-94	2.370,94
BQ52G114114CC01	114-114	2.370,94
BQ52G13179CC01	131-79	2.370,94
BQ52G13194CC01	131-94	2.370,94
BQ52G131114CC01	131-114	2.370,94
BQ52G131131CC01	131-131	2.370,94
BQ52G14079CC01	140-79	2.370,94
BQ52G14094CC01	140-94	2.370,94
BQ52G140114CC01	140-114	2.370,94
BQ52G140131CC01	140-131	2.370,94
BQ52G140140CC01	140-140	2.370,94

## Bombas dobles tipo BQ54G

Doble pumps BQ54G type  
Pompes doubles type BQ54G



Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
BQ54G11479CC02	114-79	2.570,47
BQ54G11494CC02	114-94	2.570,47
BQ54G114114CC02	114-114	2.570,47
BQ54G13179CC02	131-79	2.570,47
BQ54G13194CC02	131-94	2.570,47
BQ54G131114CC02	131-114	2.570,47
BQ54G131131CC02	131-131	2.570,47
BQ54G14079CC02	140-79	2.570,47
BQ54G14094CC02	140-94	2.570,47
BQ54G140114CC02	140-114	2.570,47
BQ54G140131CC02	140-131	2.570,47
BQ54G140140CC02	140-140	2.570,47

# Bombas de paletas

Complete vane pumps  
Pompes à palettes complètes

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

Hydraulic cylinders

## Carcasas bombas simples



Simple pump casing  
Corps pompe simple

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>BQ01GC01</b>	BQ01G	<b>333,88</b>
<b>BQ02GC01</b>	BQ02G	<b>356,00</b>
<b>BQ04GC01</b>	BQ04G	<b>469,22</b>
<b>BQ05GC01</b>	BQ05G	<b>573,59</b>

## Carcasas bombas dobles



Doble pump casing  
Corps pompe double

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>BQ21GCC01</b>	BQ21G	<b>576,69</b>
<b>BQ41GCC01</b>	BQ41G	<b>672,11</b>
<b>BQ42GCC01</b>	BQ42G	<b>709,53</b>
<b>BQ51GCC01</b>	BQ51G	<b>824,33</b>
<b>BQ52GCC01</b>	BQ52G	<b>871,94</b>
<b>BQ54GCC02</b>	BQ54G	<b>974,49</b>

## Cartuchos para Bombas simples BQ01G



Cartridges for BQ01G single Pumps  
Cartouches pour Pompes simples BQ01G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>CBQ0121</b>	21	<b>533,59</b>
<b>CBQ0132</b>	32	<b>533,59</b>
<b>CBQ0135</b>	35	<b>533,59</b>
<b>CBQ0142</b>	42	<b>533,59</b>
<b>CBQ0146</b>	46	<b>533,59</b>
<b>CBQ0155</b>	55	<b>533,59</b>

## Cartuchos para Bombas simples BQ02G



Cartridges for BQ02G single Pumps  
Cartouches pour Pompes simples BQ02G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>CBQ0247</b>	47	<b>635,82</b>
<b>CBQ0253</b>	53	<b>635,82</b>
<b>CBQ0264</b>	64	<b>635,82</b>
<b>CBQ0271</b>	71	<b>635,82</b>
<b>CBQ0279</b>	79	<b>635,82</b>

## Cartuchos para Bombas simples BQ03G



Cartridges for BQ03G single Pumps  
Cartouches pour Pompes simples BQ03G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>CBQ0390</b>	90	<b>1.206,58</b>
<b>CBQ03106</b>	106	<b>1.206,58</b>

# Bombas de paletas

Complete vane pumps  
Pompes à palettes complètes



## Cartuchos para Bombas simples BQ04G

Cartridges for BQ04G simple Pumps  
Cartouches pour Pompes simples BQ04G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>CBQ0480</b>	80	<b>744,82</b>
<b>CBQ0494</b>	94	<b>744,82</b>
<b>CBQ04114</b>	114	<b>744,82</b>
<b>CBQ04131</b>	131	<b>744,82</b>
<b>CBQ04140</b>	140	<b>744,82</b>



## Cartuchos para Bombas simples BQ05G

Cartridges for BQ05G single Pumps  
Cartouches pour Pompes simples BQ05G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>CBQ05164</b>	164	<b>1.005,39</b>
<b>CBQ05180</b>	180	<b>1.005,39</b>
<b>CBQ05189</b>	189	<b>1.005,39</b>
<b>CBQ05217</b>	217	<b>1.005,39</b>
<b>CBQ05230</b>	230	<b>1.005,39</b>



## Cartuchos para Bombas BQ21G

Cartridges for BQ21G Pumps  
Cartouches pour Pompes BQ21G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>CBQ2121</b>	21	<b>533,59</b>
<b>CBQ2132</b>	32	<b>533,59</b>
<b>CBQ2142</b>	42	<b>533,59</b>
<b>CBQ2147</b>	47	<b>533,59</b>
<b>CBQ2155</b>	55	<b>533,59</b>

Para 2ndo 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)



## Cartuchos para Bombas BQ41/42G

Cartridges for BQ41/42G Pumps  
Cartouches pour Pompes BQ41/42G

Part nº Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>CBQ414247</b>	47	<b>635,82</b>
<b>CBQ414255</b>	55	<b>635,82</b>
<b>CBQ414264</b>	64	<b>635,82</b>
<b>CBQ414270</b>	79	<b>635,82</b>
<b>CBQ414271</b>	71	<b>635,82</b>

Para 2ndo 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



# Bombas de paletas

Complete vane pumps

Pompes à palettes complètes

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

## Cartuchos para Bombas BQ51/52/54G



Cartridges for BQ51/52/54G Pumps

Cartouches pour Pompes BQ51/52/54G

Part n° Referencia	FLOW (l/min) AT 1200 R.P.M. CAUDAL (l/min) A 1200 R.P.M.	€
<b>CBQ515254114</b>	114	<b>744,82</b>
<b>CBQ515254131</b>	131.6	<b>744,82</b>
<b>CBQ51525479</b>	79	<b>744,82</b>
<b>CBQ51525494</b>	94	<b>744,82</b>
<b>CBQ515454140</b>	140	<b>744,82</b>

Para 2ndo 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

## Bombas de Paletas

Vane Pumps  
Pompes à Palettes

### ■ Bombas de paletas caudal fijo

- Caudales desde 7.2 cm<sup>3</sup> a 193.4 cm<sup>3</sup>
- Presión máxima: 140 a 210 bar (según modelo)
- Régimen de vueltas hasta 2.700 rpm (según modelo)
- Bajo nivel sonoro y alto rendimiento
- Bombas sencillas y dobles

### ■ Vane Pumps Fixed Flow

- Flow from 7.2 cm<sup>3</sup> to 193.4 cm<sup>3</sup>
- Max. Pressure: 140 to 210 bar (acc. art.)
- System of turns until 2.700 r.p.m.
- Low noise and high performance
- Single and double pumps

### ■ Pompes à Palettes Débit Fixe

- Débit de 7.2 cm<sup>3</sup> à 193.4 cm<sup>3</sup>
- Pression Max.: 140 à 210 bar (selon art.)
- Système de tours jusqu'à 2.700 tr/min
- Bas niveau sonore et haute rendement
- Pompes simples et doubles

### ■ Modelos

Models  
Modèles

BQ01	BQ02	BQ03	BQ04	BQ05
7,2 cm <sup>3</sup> - 45,9 cm <sup>3</sup>	40,1 cm <sup>3</sup> - 67,5 cm <sup>3</sup>	78,3 cm <sup>3</sup> - 91,2 cm <sup>3</sup>	69 cm <sup>3</sup> - 121,6 cm <sup>3</sup>	138,6 cm <sup>3</sup> - 193 cm <sup>3</sup>



## Bombas Hidráulicas y Cartuchos Intercambiables con

Hydraulic Pumps and Interchangeable Cartridges with  
Pompes Hydrauliques et Cartouches Interchangeable avec

**VICKERS**

**DENISON** Hydraulics

**CATERPILLAR**®

Consultar disponibilidad / Check availability / Vérifier la disponibilité.

Cartuchos en stock tipo CBQ intercambiables con cartuchos de bombas Vickers modelo VQ / Cartridges in stock type CBQ interchangeable with Vickers pumps cartridges VQ model / Cartouches en stock type CBQ interchangeables avec cartouches de pompes Vickers modèle VQ.

# Bombas y motores de pistones y recambios

Piston pumps and motors and spare parts

Pompes et moteurs à piston et pièces de rechange

## Bombas pistones acodadas T.F.

Bent axis piston pumps PTO

Pompes à pistons à arbre brisé PDF



Part nº Referencia	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	FLOW (cm <sup>3</sup> ) CAUDAL (cm <sup>3</sup> )	€
<b>BPCF-20</b>	3/4" BSP	1/2" BSP	300	400	20CC	<b>911,18</b>
<b>BPCF-25</b>	3/4" BSP	1/2" BSP	300	400	25CC	<b>911,18</b>
<b>BPCF-30</b>	3/4" BSP	1/2" BSP	300	400	30CC	<b>967,54</b>
<b>BPCF-36</b>	3/4" BSP	1/2" BSP	300	400	36CC	<b>967,54</b>
<b>BPCF-40</b>	1" BSP	3/4" BSP	300	400	45CC	<b>1.073,97</b>
<b>BPCF-60</b>	1" BSP	3/4" BSP	300	350	63CC	<b>1.224,91</b>
<b>BPCF-78</b>	1"1/4 BSP	1" BSP	225	300	78CC	<b>1.224,91</b>
<b>BPCF-80</b>	1"1/4 BSP	1" BSP	300	350	81CC	<b>1.337,14</b>
<b>BPCF-110</b>	1"1/4 BSP	1" BSP	300	350	113CC	<b>1.491,95</b>

Disponibles con brida y eje ISO para T.F. de camión y también con brida y eje SAE B para otras aplicaciones. / Available with flange and ISO shaft for PTO truck and also with flange and SAE B shaft for other applications. / Disponibles avec bride et arbre ISO pour PDF de camion et aussi avec bride et arbre SAE B pour d'autres applications.

## Bombas de émbolos con eje cilíndrico 25 mm

Piston pump cylindrical shaft 25 mm

Pompes à Pistons arbre cylindrique 25 mm



Part nº Referencia	EJE	€
<b>BHE-4</b>	Cilindrico 25mm	<b>904,05</b>

## Motores pistones acodados T.F.

Bent axis piston motors PTO

Moteurs à pistons à arbre brisé PDF



Part nº Referencia	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	FLOW (cm <sup>3</sup> ) CAUDAL (cm <sup>3</sup> )	€
<b>MPCF-20</b>	1/2" BSP	1/2" BSP	300	350	20CC	<b>958,15</b>
<b>MPCF-25</b>	1/2" BSP	1/2" BSP	300	350	25CC	<b>958,15</b>
<b>MPCF-30</b>	1/2" BSP	1/2" BSP	300	350	30CC	<b>1.005,12</b>
<b>MPCF-36</b>	1/2" BSP	1/2" BSP	300	350	36CC	<b>1.005,12</b>
<b>MPCF-40</b>	3/4" BSP	3/4" BSP	300	400	45CC	<b>1.116,54</b>
<b>MPCF-60</b>	3/4" BSP	3/4" BSP	300	350	63CC	<b>1.277,15</b>
<b>MPCF-80</b>	1" BSP	1" BSP	300	350	81CC	<b>1.395,19</b>
<b>MPCF-110</b>	1" BSP	1" BSP	300	350	113CC	<b>1.563,55</b>

Disponibles con brida y eje ISO para T.F. de camión y también con brida y eje SAE B para otras aplicaciones. / Available with flange and ISO shaft for PTO truck and also with flange and SAE B shaft for other applications. / Disponibles avec bride et arbre ISO pour PDF de camion et aussi avec bride et arbre SAE B pour d'autres applications.

## Juegos de reparación bombas émbolos eje cilíndrico 25 mm

Spare parts kits for piston pump, cylindrical shaft 25 mm

Pièces de rechange pour pompes à pistons, arbre cylindrique 25 mm



Part nº Referencia	€
<b>JR4</b>	<b>84,72</b>
<b>JR6</b>	<b>121,61</b>
<b>JR8</b>	<b>156,21</b>
<b>JR10</b>	<b>193,35</b>
<b>JR12</b>	<b>230,24</b>

**Bombas Especiales T.F. Pistones y Engranajes**  
*Special Pumps: Piston and Gear Pumps with PTO*  
 Pompes Spéciales: Pompes à Pistons et à Engrenages avec PDF

**BOMBA PISTONES RECTA**

*STRAIGHT  
PISTON PUMP*

POMPE  
À PISTONS  
DROITE



**BOMBA ENGRANAJES ISO STANDAR**

*ISO STANDARD  
GEAR PUMP*

POMPE À  
ENGRENAGES  
ISO  
STANDARD



**MANDO NEUMÁTICO T.F.**

*PNEUMATIC  
CONTROL PTO*

COMMANDE  
PNEUMATIQUE  
PDF



**BOMBA ENGRANAJES 3 ISO STANDAR**

*3 ISO  
STANDARD  
GEAR PUMP*

POMPE À  
ENGRENAGES  
3 ISO  
STANDARD



**BOMBA ENGRANAJES UNI ITALIANA**

*ITALIAN UNI  
GEAR PUMPS*

POMPE À  
ENGRENAGES  
UNI  
ITALIENNE



**BOMBAS ESPECIALES PARA CAMIÓN**

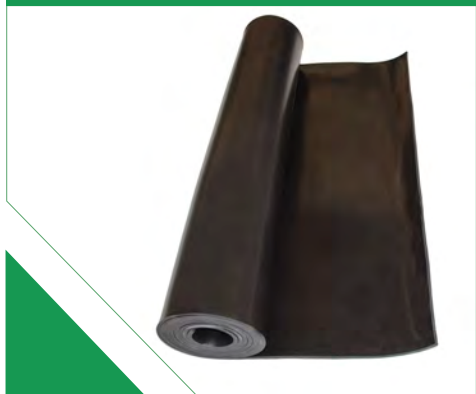
*SPECIAL PUMPS FOR TRUCK*  
 POMPES SPÉCIALES POUR CAMION

# PLANCHAS, PAVIMENTOS Y ALFOMBRAS

SHEETING, FLOORING & MATS



PLANCHAS DE GOMA · RUBBER SHEETING



SILICONAS · SILICONE



PAVIMENTOS DE GOMA · RUBBER FLOORING



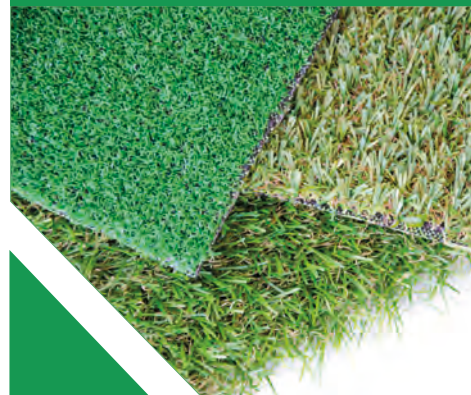
PAVIMENTOS PVC · PVC FLOORING



ALFOMBRAS · MATS



CÉSPED ARTIFICIAL · ARTIFICIAL GRASS



# Minicentrales

*Mini power packs*

Mini-centrales

## **Minicentrales completas**

*Assembled mini power packs*

Mini-centrales montées

63

## **Motores y bridas**

*Motors and Flanges*

Moteurs et brides

64

## **Bloques centrales, soporte, campanas y acoplamientos**

*Center blocks, support, bellhousings and couplings*

Bloc central, support, lanternes et accouplements

65

## **Bombas**

*Pumps*

Pompes

66

## **Dépositos, filtros, visores y tapones aireadores**

*Tanks, filters, sights and air breathers*

Réservoirs, filtres, viseurs et bouchons

67

## **Botoneras y emisores + receptores**

*Buttons and transmitter/receiver*

Poignées de commande et émetteur/récepteur

68

## **Válvulas y Placas base**

*Valves and subplates*

Valves et embases

69



3

# Minicentrales Hidráulicas

Hydraulics Mini-Stations  
Mini-Centrales Hydrauliques

## Simple efecto

Single effect  
Effet simple



## Doble efecto

Double effect  
Effet double



## Motobomba

Motor pump  
Pompe à moteur



## Características

Characteristics  
Caractéristiques

■ 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 CV  
220/380 - 0,5 to 5,5 CV

■ SE and DE 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.

■ Courant continu: 12-24 DC

■ Courant alternatif:  
220/50 - 0,5 à 3 CV  
220/380 - 0,5 à 5,5 CV

■ Circuit SE et DE: Groupe Pompe à moteur

■ Débit disponibles: 1,1 cm<sup>3</sup> à 9,8 cm<sup>3</sup>

■ Réservoirs métalliques: 1 à 30 lts.

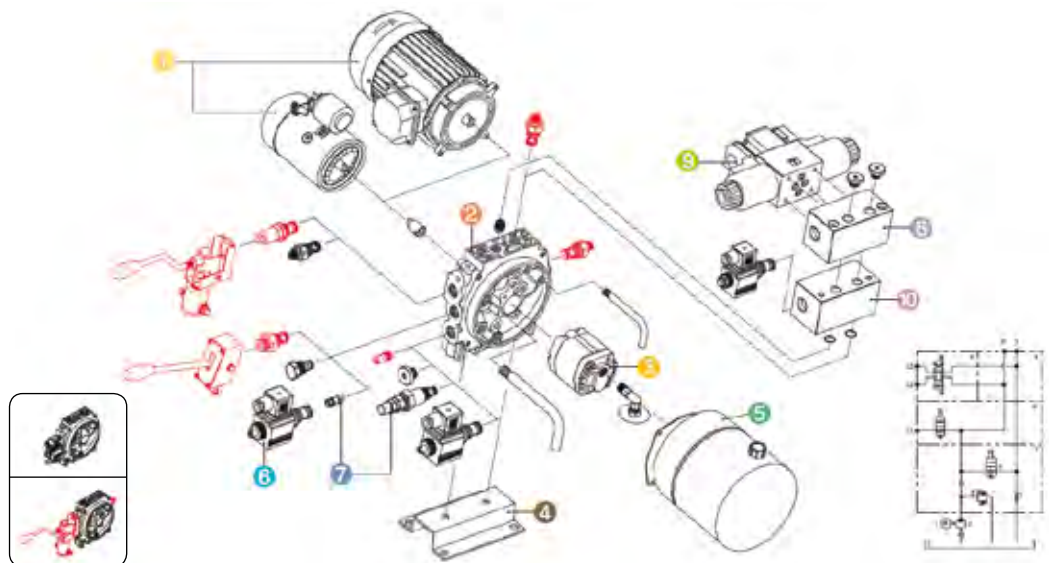
# Explosionado

Exploded View  
Vue en Éclaté

## Sistema de montaje sencillo

Easy assembly system  
Système de montage facile

1. **Motor**  
Motor / Moteur
2. **Bloque central**  
Middle plate / Plaque centrale
3. **Bomba**  
Pump / Pompe
4. **Soporte**  
Mounting bracket / Support
5. **Depósito**  
Tank / Réservoir
6. **Válvula descenso (NC-NA)**  
Descent valve / Valve de descente
7. **Válvula compensada caudal**  
Flow valve / Valve de débit
8. **Placa NG-6**  
NG6 subplate / Plaque NG6
9. **Electroválvula**  
Directional Valve / Electro-distributeurs



10. **Espaciador para placa**  
Spacing block for subplates / Bloc d'espacement pour plaques



# Minicentrales completas

Assembled mini power packs  
Mini-centrales montées

## Minicentral CC simple efecto. válvula descenso

Mini power pack direct current for single acting circuit  
Mini-centrale CC pour circuit simple effet



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	CAPACITY (l) CAPACIDAD (l)	FLOW (cm <sup>3</sup> ) CAUDAL (cm <sup>3</sup> )	€
<b>MC12SE162</b>	12 VDC	2	1.6	<b>928,48</b>
<b>MC12SE165</b>	12 VDC	5	1.6	<b>977,61</b>
<b>MC12SE423</b>	12 VDC	3	4.2	<b>936,05</b>
<b>MC12SE428</b>	12 VDC	8	4.2	<b>968,24</b>
<b>MC24SE584</b>	24 VDC	8	5.8	<b>966,41</b>
<b>MC24SE5811</b>	24 VDC	11	5.8	<b>995,01</b>
<b>MC24SE988</b>	24 VDC	8	9.8	<b>988,68</b>
<b>MC24SE9815</b>	24 VDC	15	9.8	<b>1.045,16</b>

## Minicentral CA Placa base, electro y antirretorno

Mini power pack AC. Subplate, directional valve and check valve  
Mini-centrale CA. Plaque de base, electrodistributeur et antiretour



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	CAPACITY (l) CAPACIDAD (l)	FLOW (cm <sup>3</sup> ) CAUDAL (cm <sup>3</sup> )	POWER (HP) POTENCIA (CV)	€
<b>MCM373EA</b>	220/380	3	3.7	1	<b>972,93</b>
<b>MCM586EA</b>	220/50	6	5.8	2	<b>1.174,91</b>
<b>MCM8011EA</b>	220/50	11	8.0	3	<b>1.305,07</b>
<b>MCT371EA</b>	220/50	1	3.7	1	<b>926,78</b>
<b>MCT584EA</b>	220/380	4	5.8	2	<b>1.124,55</b>
<b>MCT808EA</b>	220/380	8	8.0	3	<b>1.139,94</b>

## Grupo motobomba - Salidas P-T 3/8 CC

Power Unit - exit P-T 3/8 DC  
Groupe Moteur- Pompe -sortie P-T 3/8 CC



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	CAPACITY (l) CAPACIDAD (l)	FLOW (cm <sup>3</sup> ) CAUDAL (cm <sup>3</sup> )	€
<b>MB12112</b>	12 VDC	1600	2	1.1	<b>791,08</b>
<b>MB12276</b>	12 VDC	1600	6	2.7	<b>832,37</b>
<b>MB24164</b>	24 VDC	2200	4	1.6	<b>836,87</b>

## Grupo motobomba - Salidas P-T 3/8 CA

Power Unit - exit P-T 3/8 AC  
Groupe Moteur- Pompe -sortie P-T 3/8 CA



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	CAPACITY (l) CAPACIDAD (l)	FLOW (cm <sup>3</sup> ) CAUDAL (cm <sup>3</sup> )	POWER (HP) POTENCIA (CV)	€
<b>MBT4220</b>	220/380	20	4.2		<b>854,11</b>
<b>MBT428</b>	220/380	8	4.2	1.5	<b>872,73</b>
<b>MBT5811</b>	220/380	11	4.2	1.5	<b>858,77</b>
<b>MBT7015</b>	220/380	15	7.0	3	<b>1.008,10</b>

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

# Motores y bridas

Motors and Flanges  
Moteurs et brides

## Motor Corriente Continua sin ventilación

Direct Current Motor without ventilation  
Moteur Courant Continu sans ventilation



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	PROTECTION (IP) PROTECCIÓN (IP)	€
<b>MCM12CC H</b>	12 VDC	1600	IP 54	<b>254,90</b>
<b>MCM24DC H</b>	24 VDC	2200	IP 54	<b>267,30</b>

## Motor Corriente Continua con ventilación

Direct Current Motor with ventilation  
Moteur Courant Continu avec ventilation



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	PROTECTION (IP) PROTECCIÓN (IP)	€
<b>MC039 H</b>	24 VDC	2200	IP 10	<b>620,70</b>
<b>MC042 H</b>	12 VDC	1600	IP 10	<b>615,93</b>

## Relé

Relay  
Relais



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	PROTECTION (IP) PROTECCIÓN (IP)	€
<b>MCR12CC H</b>	12 VDC	IP54	<b>52,58</b>
<b>MCR24CC H</b>	24 VDC	IP54	<b>52,58</b>

## Motor Corriente Alterna

Alternating Current Motor  
Moteur Courant Alternatif



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	PROTECTION (IP) PROTECCIÓN (IP)	POWER (HP) POTENCIA (CV)	€
<b>MCAM0.5 H</b>	220 VAC	IP54	0,5	<b>211,23</b>
<b>MCAM1.0 H</b>	220 VAC	IP54	1	<b>294,53</b>
<b>MCAM1.5 H *</b>	220 VAC	IP54	1,5	<b>441,48</b>
<b>MCAM2.0 H</b>	220 VAC	IP54	2	<b>434,31</b>
<b>MCAM2.4 H</b>	220 VAC	IP54	2,4	<b>434,31</b>
<b>MCAT0.5 H</b>	230/380 VAC	IP54	0,5	<b>192,08</b>
<b>MCAT1.0 H</b>	230/380 VAC	IP54	1	<b>256,23</b>
<b>MCAT1.5 H</b>	230/380 VAC	IP54	1,5	<b>354,37</b>
<b>MCAT3.0 H</b>	230/380 VAC	IP54	3	<b>427,15</b>
<b>MCAT5.5 H</b>	230/380 VAC	IP54	5,5	<b>640,35</b>

Hasta fin de existencias. / Until end of stock. / Jusqu'à la fin du stock.

## Bridas

Flanges  
Brides



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>MC002 H</b>	Para motor/bloque central - For motor/center block	<b>9,46</b>

# Bloques centrales, soporte, campanas y acoplamientos

Center blocks, support, bellhousings and couplings  
Bloc central, support, lanternes et accouplements

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

Hydraulic cylinders

## Bloque



Center block  
Bloc central

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>BLOCEN</b>	Bloque central S.E. - Motobomba, tipo 1	<b>123,80</b>
<b>BLOCEN2</b>	Bloque central S.E. - Motobomba, tipo 2	<b>128,76</b>
<b>BLOCEN3 *</b>	Bloque central para motor B14 5,5 CV	<b>128,76</b>
<b>BLOCEN4</b>	Bloque central S.E.-Motobomba+agujeros	<b>128,76</b>

Hasta fin de existencias. / Until end of stock. / Jusqu'à fin du stock.

## Soporte para bloque



Mini power pack support  
Support mini-centrale

Part nº Referencia	€
<b>MC001 H</b>	<b>10,01</b>

## Tapones



Plugs  
Bouchons

Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>MC030 H</b>	3/4" -16 UNF	Anulación válvula descenso	<b>7,76</b>
<b>MC045 H</b>	1/4" BSP	Tapón normal allen	<b>0,28</b>
<b>MC052 H</b>	PF 1/4"	Tapón normal allen	<b>2,62</b>
<b>MC048 H</b>	3/4" UNF	Tapón normal allen	<b>3,35</b>

## Campanas



Bellhousings  
Lanternes

Part nº Referencia	POWER (HP) POTENCIA (CV)	€
<b>MC024 H</b>	0,75-1	<b>90,46</b>
<b>MC025 H</b>	1,5-2	<b>115,17</b>
<b>MC026 H</b>	3 - 5,5	<b>80,45</b>

## Acoplamientos y adaptadores



Couplings and Adaptors  
Accouplements et adapteurs

Part nº Referencia	EJE	DESCRIPTION DESCRIPCIÓN	€
<b>MC027 H</b>	19	C080	<b>44,41</b>
<b>MC028 H</b>	24	C090	<b>47,16</b>
<b>MC029 H</b>	28	C112	<b>38,85</b>

# Bombas

Pumps  
Pompes



## Bombas

Pumps  
Pompes

Part nº Referencia	FLOW (cm <sup>3</sup> ) CAUDAL (cm <sup>3</sup> )	€
<b>MCB11 H</b>	1,1	<b>117,51</b>
<b>MCB16 H</b>	1,6	<b>127,66</b>
<b>MCB21 H</b>	2,1	<b>127,66</b>
<b>MCB23 H</b>	2,3	<b>127,66</b>
<b>MCB27 H</b>	2,7	<b>127,66</b>
<b>MCB32 H</b>	3,2	<b>127,66</b>
<b>MCB37 H</b>	3,7	<b>103,64</b>
<b>MCB42 H</b>	4,2	<b>127,66</b>
<b>MCB48 H</b>	4,8	<b>103,64</b>
<b>MCB58 H</b>	5,8	<b>105,48</b>
<b>MCB70 H</b>	7	<b>125,27</b>
<b>MCB80 H</b>	8	<b>106,17</b>
<b>MCB98 H</b>	9,8	<b>119,99</b>

## Bombas manuales

Hand pumps  
Pompes manuelles



Part nº Referencia	THREAD ROSCA	CM <sup>3</sup> /REV	€
<b>MC044 H</b>	1/4" BSP	10	<b>149,01</b>

## Kit juntas Bomba MCB

MCB pump joints  
Kit joints pompe MCB



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>JRMCBB</b>	Para bombas de modelos anteriores/For old pumps models	<b>19,70</b>
<b>JRMCBN</b>	Para bombas de modelos nuevos/For new pumps models	<b>19,70</b>

# Dépositos, filtros, visores y tapones aireadores

Tanks, filters, sights and air breathers  
Réservoirs, filtres, viseurs et bouchons

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

Hydraulic cylinders

## Depósitos

Tanks  
Réservoirs



Part nº Referencia	CAPACITY (l) CAPACIDAD (l)	€
MCD1 H	1	26,08
MCD2 H	2	28,84
MCD3 H	3	34,95
MCD4 H	4	61,76
MCD5 H	5	69,39
MCD6 H	6	71,08
MCD8 H	8	73,84
MCD11 H	11	98,82
MCD15 H	15	127,66
MCD20 H	20	178,17
MCD30 H	30	166,55
MCD1V H	1	26,08
MCD2V H	2	28,84
MCD3V H	3	34,95
MCD4V H	4	62,18
MCD5V H	5	69,39
MCD6V H	6	71,08
MCD8V H	8	73,84
MCD11V H	11	98,82
MCD25V H	25	155,44

MCDV H= Vertical; MCD H= Horizontal

## Filtros

Suction filters  
Crepines d'aspiration



Part nº Referencia	Ø OUTER Ø EXT.	€
MC005 H	43 mm	4,45
MC006 H	63 mm	5,24
MC007 H	80 mm	8,82
MC009 H	20 mm	11,11

## Visor nivel

Sight level  
Voyant niveau



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
MC034 H	VISOR NIVEL 50mm 2XM10	33,29
MC035 H	VISOR NIVEL 60mm 2xm10	22,23

## Tapones aireadores

Air breathers  
Bouchons aireateurs



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
MC004 H	1/2" BSP	Aireador p/ depósito	1,47

# Botoneras y emisoras + receptores

Buttons and transmitter/receiver

Poignées de commande et émetteur/récepteur

## Botoneras Centralitas

Buttons

Poignées de commande



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>MC036 H</b>	2 botones CC/CA / 2 buttons DC/AC	<b>64,43</b>
<b>MC038 H</b>	4 botones / 4 buttons	<b>89,91</b>

## Emisor+Receptor 12/24 DC

Transmitter/Receiver 12/24 DC

Emetteur+récepteur 12/24 DC

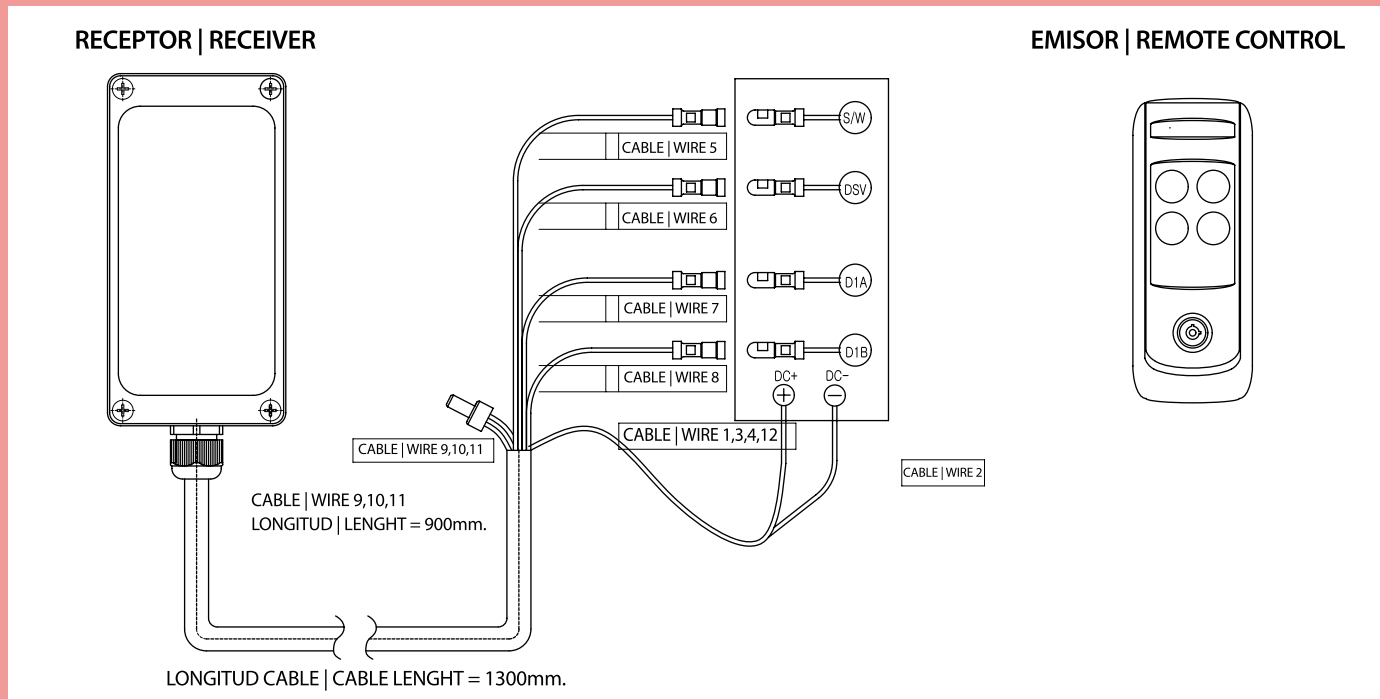


Part nº Referencia	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	Channels Canales	€
<b>ER212CCS H</b>	Simple efecto/Single acting	12 VDC/24VDC	2	<b>888,09</b>
<b>ER412CCS H</b>	Simple efecto/Single acting	12 VDC/24 VDC	4	<b>888,09</b>
<b>ER212CC H</b>	Doble efecto/Double acting	12 VDC/24VDC	2	<b>888,09</b>
<b>ER412CC H</b>	Doble efecto/Double acting	12 VDC/24 VDC	4	<b>888,09</b>
<b>ER612CC H</b>	Doble efecto/Double acting	12 VDC/24VDC	6	<b>888,09</b>

## EMISOR-RECEPTOR · TRANSMITTER-RECEIVER

Ejemplo: Montaje de 4 canales | Example: 4 channels assembly

ER412CCH



# Válvulas y Placas base

Valves and subplates  
Valves et embases

## Válvulas de descenso



Descent valve  
Valve descente

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	€
<b>MC010 H</b>	N.C.	12 VDC	<b>152,45</b>
<b>MC011 H</b>	N.C.	24 VDC	<b>152,45</b>
<b>MC012 H</b>	N.C.	110 VAC	<b>153,05</b>
<b>MC013 H</b>	N.C.	220 VAC	<b>153,05</b>
<b>MC014 H</b>	N.C.	24 VAC	<b>153,05</b>
<b>MC015 H</b>	N.C.	110 RAC	<b>153,05</b>
<b>MC016 H</b>	N.C.	220 RAC	<b>153,05</b>
<b>MC017 H</b>	N.A./N.O.	12 VDC	<b>91,61</b>
<b>MC018 H</b>	N.A./N.O.	24 VDC	<b>91,61</b>
<b>MC033 H</b>	N.A./N.O.	220 RAC	<b>93,63</b>

## Válvulas limitadoras



Pressure relief valve  
Limiteur pression

Part nº Referencia	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MC031 H</b>	10-60	<b>36,05</b>
<b>MC032 H</b>	50-150	<b>20,39</b>

## Válvulas reguladoras de caudal



Flow control valve  
Valve régulatrice de débit

Part nº Referencia	THREAD ROSCA	Ø OUTER Ø EXT.	€
<b>MC019 H</b>	UNF 3/4"-16	15,87 mm	<b>44,41</b>

## Placas Base



Subplates / Modular block  
Embase

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>MC020 H</b>	Adaptador/Adaptor	<b>19,52</b>
<b>MC021 H</b>	Para 1 electroválvula en serie	<b>53,41</b>
<b>MC022 H</b>	Para electroválvulas en paralelo	<b>59,97</b>
<b>MC023 H</b>	Para 1 electroválvula con espaciador	<b>74,16</b>
<b>MC043 H</b>	Placa base especial SB76	<b>116,59</b>

# Ejemplo de aplicación

Application example  
Exemple d'application

## Minicentrales S.E. con válvula de descenso

Mini-stations  
Mini-centrales

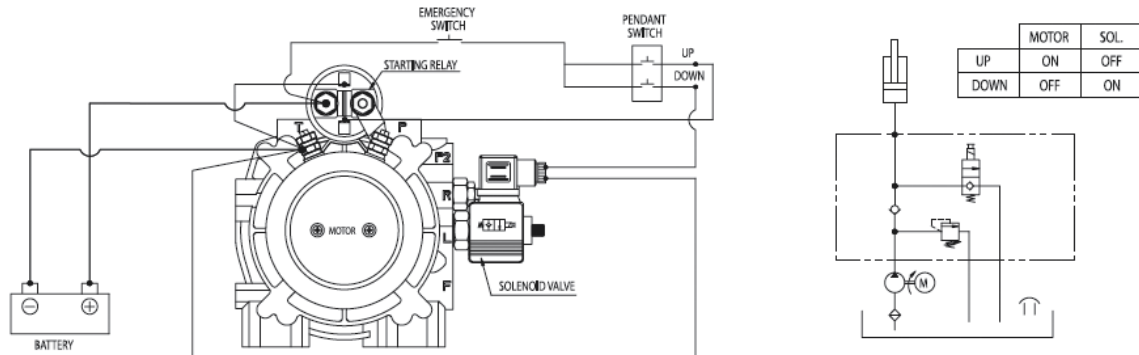
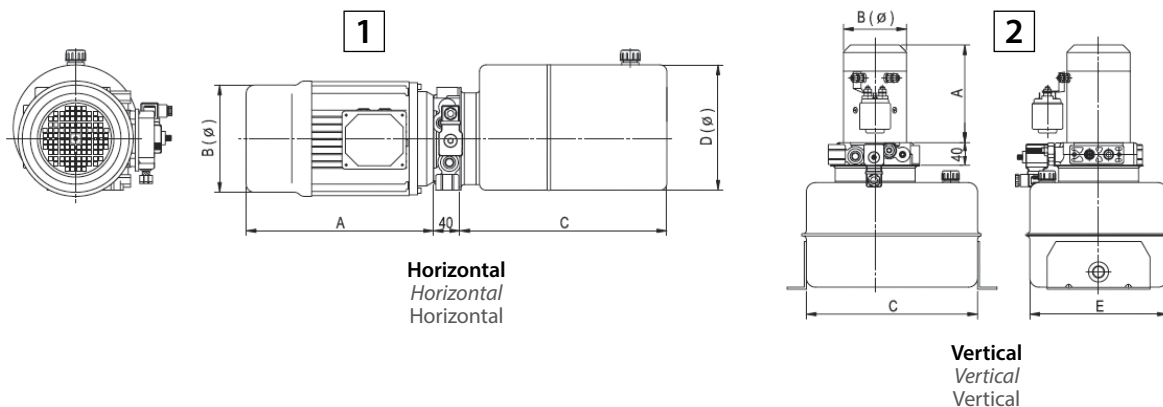


Diagrama eléctrico  
Electrical diagram  
Schéma électrique

## Dimensiones

Dimensions  
Dimensions

Motor Motor Moteur				Depósito Tank Réservoir						
Talla / Size / Taille (AC) Voltaje / Voltage (DC)	KW (AC) Código / Code (DC)	A	B	Referencia Part n° Référence	Capacidad (l) Capacity (l) Capacité (l)	C	D	E	Imagen Image	
AC	63	0,18	195	122	MCD02 H	2	175	139	-	1
	70	0,37	225	140	MCD05 H	5	224	190	-	1
	80	0,75	245	157	MCD08 H	8	328	190	-	1
	90	1.0/1.5/1.8/2.2	285	175	MCD11 H	11	450	190	-	1
DC	12V/24V	D116/D222	173	112	MCD06 H	6	140	247	160	1
					MCD09 H	9	200	200	290	1
					MCD12 H	12	240	240	306	1
					MCD25 H	25	270	280	380	2
					MCD30 H	30	410	436	280	2





**BANCO DE PRUEBAS MINICENTRAL  
MINIPOWER PACK TEST BENCH**



**BANCO PARA MANTENIMIENTO Y REPARACIÓN DE DE PRENSAS HIDRÁULICAS  
MAINTENANCE & REPAIR BENCH FOR HYDRAULIC CRIMPING MACHINES**



# TALLER DE HIDRÁULICA

**MÁQUINA DE LIMPIEZA  
CLEANING MACHINE**



**BANCO DE PRUEBAS CONVENCIONAL  
CONVENTIONAL TEST BENCH**



**COMPRESOR PARA CARGA DE ACUMULADORES  
ACCUMULATOR CHARGING COMPRESSOR**



**MAQUINAS DE CORTE POR PLASMA Y SOLDADURA  
PLASMA CUTTING AND WELDING MACHINES**



# HYDRAULIC COMPONENT WORKSHOP

**DISEÑO Y FABRICACION DE PROYECTOS HIDRÁULICOS  
DESIGN & MANUFACTURE OF HYDRAULIC PROJECTS**



**MONTAJE DE MINICENTRAL  
MINIPOWER PACK ASSEMBLY**



**MONTAJE BOMBAS HIDRÁULICAS  
HYDRAULIC PUMP ASSEMBLY**



# Motores eléctricos

*Electric motors*

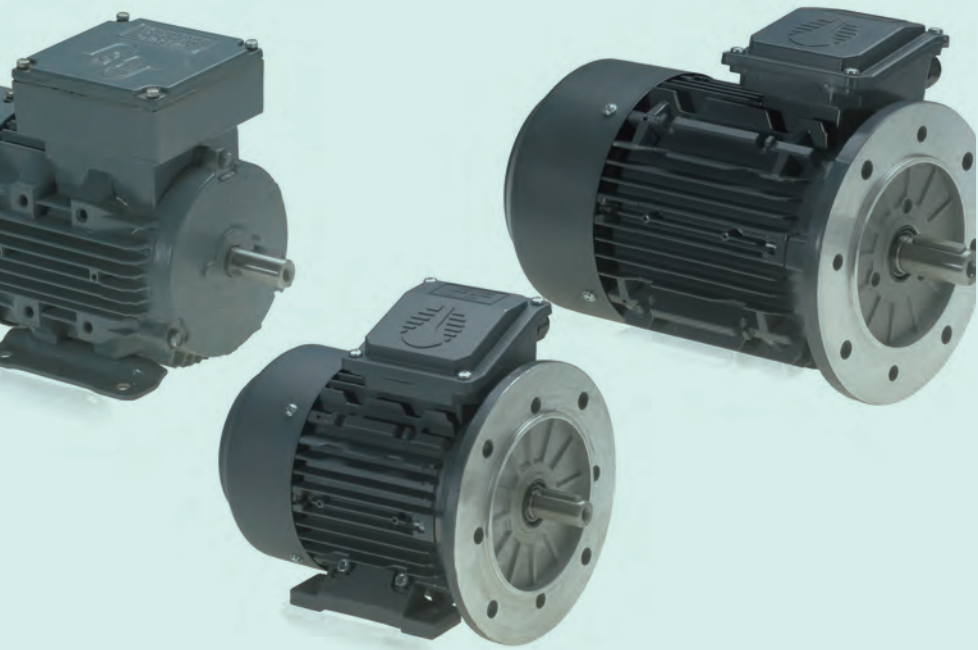
Moteurs électriques

## **Motores eléctricos**

*Electric motors*

Moteurs électriques

**74**



4

# Motores eléctricos

Electric motors

Moteurs électriques

## Motor trifásico con brida (B5)

Electric motors three-phase with flange (B5)  
Moteurs triphases avec bride (B5)



Part nº Referencia	EJE	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MET0.25B5</b>	11	IE1	220/380	140	1500	0,25	<b>109,43</b>
<b>MET0.33B5</b>	14	IE1	220/380	160	1500	0,33	<b>131,12</b>
<b>MET0.5B5</b>	14	IE1	220/380	160	1500	0,5	<b>142,81</b>
<b>MET0.75B5</b>	19	IE1	220/380	200	1500	0,75	<b>181,23</b>
<b>MET1B5</b>	19	IE2	220/380	200	1500	1	<b>248,42</b>
<b>MET1.5B5</b>	24	IE2	220/380	200	1500	1,5	<b>317,56</b>
<b>MET2B5</b>	24	IE2	220/380	200	1500	2	<b>366,98</b>
<b>MET3B5</b>	28	IE2	220/380	250	1500	3	<b>451,68</b>
<b>MET4B5</b>	28	IE2	220/380	250	1500	4	<b>508,83</b>
<b>MET5.5B5</b>	28	IE2	220/380	250	1500	5,5	<b>592,79</b>
<b>MET7.5B5</b>	38	IE2	220/380	300	1500	7,5	<b>794,67</b>
<b>MET10B5</b>	38	IE2	380/660	300	1500	10	<b>931,57</b>
<b>MET15B5</b>	42	IE2	380/660	350	1500	15	<b>1.270,55</b>
<b>MET20B5</b>	42	IE2	380/660	350	1500	20	<b>1.438,61</b>
<b>MET25B5</b>	48	IE2	380/660	350	1500	25	<b>1.882,08</b>
<b>MET30B5</b>	48	IE2	380/660	350	1500	30	<b>2.003,29</b>
<b>MET40B5</b>	55	IE2	380/660	400	1500	40	<b>2.554,54</b>
<b>MET50B5</b>	60	IE2	380/660	450	1500	50	<b>3.256,07</b>
<b>MET60B5</b>	60	IE2	380/660	450	1500	60	<b>3.697,36</b>
<b>MET75B5</b>	65	IE2	380/660	550	1500	75	<b>4.329,27</b>

## Motor trifásico con patas (B3)

Electric motors three-phase with legs (B3)  
Moteurs triphase avec pattes (B3)



Part nº Referencia	EJE	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MET0.25B3</b>	11	IE1	220/380	1500	0.25	<b>107,30</b>
<b>MET0.33B3</b>	14	IE1	220/380	1500	0.33	<b>128,56</b>
<b>MET0.5B3</b>	14	IE1	220/380	1500	0.5	<b>140,03</b>
<b>MET0.75B3</b>	19	IE1	220/380	1500	0.75	<b>177,66</b>
<b>MET1B3</b>	19	IE2	220/380	1500	1	<b>243,55</b>
<b>MET1.5B3</b>	24	IE2	220/380	1500	1.5	<b>311,08</b>
<b>MET2B3</b>	24	IE2	220/380	1500	2	<b>359,76</b>
<b>MET3B3</b>	28	IE2	220/380	1500	3	<b>442,81</b>
<b>MET4B3</b>	28	IE2	220/380	1500	4	<b>498,83</b>
<b>MET5.5B3</b>	28	IE2	220/380	1500	5.5	<b>581,19</b>
<b>MET7.5B3</b>	38	IE2	220/380	1500	7.5	<b>779,06</b>
<b>MET10B3</b>	38	IE2	380/660	1500	10	<b>913,31</b>
<b>MET15B3</b>	42	IE2	380/660	1500	15	<b>1.567,11</b>
<b>MET20B3</b>	42	IE2	380/660	1500	20	<b>1.396,72</b>
<b>MET25B3</b>	48	IE2	380/660	1500	25	<b>1.827,28</b>
<b>MET30B3</b>	48	IE2	380/660	1500	30	<b>1.944,92</b>
<b>MET40B3</b>	55	IE2	380/660	1500	40	<b>2.480,13</b>
<b>MET50B3</b>	60	IE2	380/660	1500	50	<b>3.161,24</b>
<b>MET60B3</b>	60	IE2	380/660	1500	60	<b>3.589,67</b>
<b>MET75B3</b>	65	IE2	380/660	1500	75	<b>4.203,15</b>

# Motores eléctricos

Electric motors  
Moteurs électriques

## Motor trifásico con brida+patas (B3B5)



Electric motors three-phase with flange and legs (B3B5)  
Moteurs triphase avec bride+pattes (B3B5)

Part nº Referencia	EJE	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MET0.25B3B5</b>	11	IE1	220/380	140	1500	0.25	<b>111,61</b>
<b>MET0.33B3B5</b>	14	IE1	220/380	160	1500	0.33	<b>133,68</b>
<b>MET0.5B3B5</b>	14	IE1	220/380	160	1500	0.5	<b>145,63</b>
<b>MET0.75B3B5</b>	19	IE1	220/380	200	1500	0.75	<b>184,79</b>
<b>MET1B3B5</b>	19	IE2	220/380	200	1500	1	<b>254,59</b>
<b>MET1.5B3B5</b>	24	IE2	220/380	200	1500	1.5	<b>323,82</b>
<b>MET2B3B5</b>	24	IE2	220/380	200	1500	2	<b>374,19</b>
<b>MET3B3B5</b>	28	IE2	220/380	250	1500	3	<b>460,50</b>
<b>MET4B3B5</b>	28	IE2	220/380	250	1500	4	<b>518,83</b>
<b>MET5.5B3B5</b>	28	IE2	220/380	250	1500	5.5	<b>604,44</b>
<b>MET7.5B3B5</b>	38	IE2	220/380	300	1500	7.5	<b>810,23</b>
<b>MET10B3B5</b>	38	IE2	380/660	300	1500	10	<b>949,82</b>
<b>MET15B3B5</b>	42	IE2	380/660	350	1500	15	<b>1.295,20</b>
<b>MET20B3B5</b>	42	IE2	380/660	350	1500	20	<b>1.466,56</b>
<b>MET25B3B5</b>	48	IE2	380/660	350	1500	25	<b>1.918,63</b>
<b>MET30B3B5</b>	48	IE2	380/660	350	1500	30	<b>2.042,19</b>
<b>MET40B3B5</b>	55	IE2	380/660	400	1500	40	<b>2.604,12</b>
<b>MET50B3B5</b>	60	IE2	380/660	450	1500	50	<b>3.319,30</b>
<b>MET60B3B5</b>	60	IE2	380/660	450	1500	60	<b>3.769,16</b>
<b>MET75B3B5</b>	65	IE2	380/660	550	1500	75	<b>4.413,32</b>

## Motor trifásico con brida (B14)



Electric motors three-phase with flange (B14)  
Moteurs triphases avec bride (B14)

Part nº Referencia	EJE	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MET0.5B14</b>	14	IE1	220/380	1500	0,5	<b>157,86</b>
<b>MET0.75B14</b>	19	IE1	220/380	1500	0,75	<b>198,37</b>
<b>MET1B14</b>	19	IE2	220/380	1500	1	<b>273,50</b>
<b>MET2B14</b>	24	IE2	220/380	1500	2	<b>366,98</b>
<b>MET3B14</b>	28	IE2	220/380	1500	3	<b>451,64</b>
<b>MET5.5B14</b>	28	IE2	220/380	1500	5,5	<b>728,28</b>

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

# Motores eléctricos

Electric motors

Moteurs électriques



## Motor monofásico A.P. con brida (B5) alto par

Electric motors H.T. single-phase with flange (B5) high torque  
Moteurs monophasés H.C. avec bride (B5) haut couple

Part nº Referencia	EJE	VOLTAGE (V) VOLTAJE (V)	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MEMAP0.33B5</b>	14	220/50	160	1500	0,33	<b>158,98</b>
<b>MEMAP0.5B5</b>	14	220/50	160	1500	0,5	<b>178,19</b>
<b>MEMAP0.75B5</b>	19	220/50	200	1500	0,75	<b>231,60</b>
<b>MEMAP1B5</b>	19	220/50	200	1500	1	<b>251,63</b>
<b>MEMAP1.5B5</b>	24	220/50	200	1500	1,5	<b>319,13</b>
<b>MEMAP2B5</b>	24	220/50	200	1500	2	<b>371,15</b>
<b>MEMAP3B5</b>	28	220/50	250	1500	3	<b>571,76</b>

## Motor monofásico A.P con patas (B3) alto par



Electric motors H.T. single-phase with legs (B3) high torque  
Moteurs monophasés H.C. avec pattes (B3) haut couple

Part nº Referencia	EJE	VOLTAGE (V) VOLTAJE (V)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MEMAP0.33B3</b>	14	220/50	1500	0,33	<b>155,85</b>
<b>MEMAP0.5B3</b>	14	220/50	1500	0,5	<b>174,67</b>
<b>MEMAP0.75B3</b>	19	220/50	1500	0,75	<b>227,08</b>
<b>MEMAP1B3</b>	19	220/50	1500	1	<b>246,72</b>
<b>MEMAP1.5B3</b>	24	220/50	1500	1,5	<b>312,87</b>
<b>MEMAP2B3</b>	24	220/50	1500	2	<b>363,85</b>
<b>MEMAP3B3</b>	28	220/50	1500	3	<b>560,55</b>

## Motor monofásico A.P. con brida+patas (B3B5) alto par



Electric motors H.T. single-phase with flange and legs (B3B5) high torque  
Moteurs monophasés H.C. avec bride+pattes (B3B5) haut couple

Part nº Referencia	EJE	VOLTAGE (V) VOLTAJE (V)	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MEMAP0.33B3B5</b>	14	220/50	160	1500	0,33	<b>162,06</b>
<b>MEMAP0.5B3B5</b>	14	220/50	160	1500	0,5	<b>181,66</b>
<b>MEMAP0.75B3B5</b>	19	220/50	200	1500	0,75	<b>236,16</b>
<b>MEMAP1B3B5</b>	19	220/50	200	1500	1	<b>256,59</b>
<b>MEMAP1.5B3B5</b>	24	220/50	200	1500	1,5	<b>325,39</b>
<b>MEMAP2B3B5</b>	24	220/50	200	1500	2	<b>378,41</b>
<b>MEMAP3B3B5</b>	28	220/50	250	1500	3	<b>582,97</b>

# Motores eléctricos

Electric motors  
Moteurs électriques

## Motor monofásico P.N. con brida (B5) par normal



Electric motors S.T. single-phase with flange (B5) low torque  
Moteurs monophasés C.N. avec bride (B5) couple normal

Part nº Referencia	EJE	VOLTAGE (V) VOLTAJE (V)	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MEMBP0.33B5</b>	14	220/50	160	1500	0,33	<b>156,54</b>
<b>MEMBP0.5B5</b>	14	220/50	160	1500	0,5	<b>165,06</b>
<b>MEMBP0.75B5</b>	19	220/50	200	1500	0,75	<b>218,30</b>
<b>MEMBP1B5</b>	19	220/50	200	1500	1	<b>238,47</b>
<b>MEMBP1.5B5</b>	24	220/50	200	1500	1,5	<b>303,87</b>
<b>MEMBP2B5</b>	24	220/50	200	1500	2	<b>356,02</b>
<b>MEMBP3B5</b>	28	220/50	250	1500	3	<b>494,36</b>

## Motor monofásico P.N. con patas (B3) par normal



Electric motors S.T. single-phase with legs (B3) low torque  
Moteurs monophasés C.N. avec pattes (B3) couple normal

Part nº Referencia	EJE	VOLTAGE (V) VOLTAJE (V)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MEMBP0.33B3</b>	14	220/50	1500	0,33	<b>153,46</b>
<b>MEMBP0.5B3</b>	14	220/50	1500	0,5	<b>161,85</b>
<b>MEMBP0.75B3</b>	19	220/50	1500	0,75	<b>214,04</b>
<b>MEMBP1B3</b>	19	220/50	1500	1	<b>233,77</b>
<b>MEMBP1.5B3</b>	24	220/50	1500	1,5	<b>297,92</b>
<b>MEMBP2B3</b>	24	220/50	1500	2	<b>349,03</b>
<b>MEMBP3B3</b>	28	220/50	1500	3	<b>484,67</b>

## Motor monofásico P.N. con brida+patas (B3B5) par normal



Electric motors S.T. single-phase with flange and legs (B3B5) low torque  
Moteurs monophasés C.N. avec bride+pattes (B3B5) couple normal

Part nº Referencia	EJE	VOLTAGE (V) VOLTAJE (V)	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MEMBP0.33B3B5</b>	14	220/50	160	1500	0,33	<b>155,24</b>
<b>MEMBP0.5B3B5</b>	14	220/50	160	1500	0,5	<b>165,76</b>
<b>MEMBP0.75B3B5</b>	19	220/50	200	1500	0,75	<b>216,91</b>
<b>MEMBP1B3B5</b>	19	220/50	200	1500	1	<b>238,77</b>
<b>MEMBP1.5B3B5</b>	24	220/50	200	1500	1,5	<b>301,66</b>
<b>MEMBP2B3B5</b>	24	220/50	200	1500	2	<b>347,59</b>
<b>MEMBP3B3B5</b>	28	220/50	350	1500	3	<b>504,05</b>

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

# Válvulas hidráulicas

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*Valves hydrauliques*

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Antiretours

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## **Válvulas de Secuencia**

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Valves de séquence

**94**

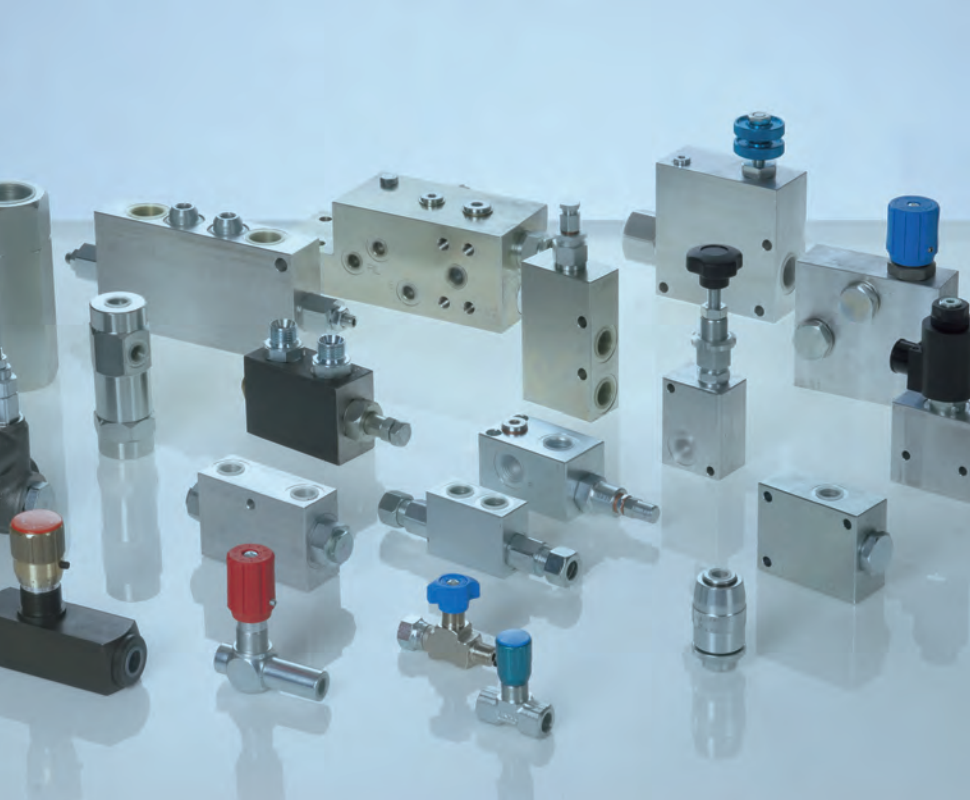
## **Overcenter**

*Overcenter*

Overcenter

**94**





# 5

## **Otras válvulas**

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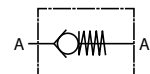
104

# Antirretornos

Check Valves  
Antiretour

## Antirretorno en línea

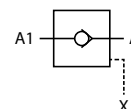
Check-valve line mounting  
Clapet antiretour simple en ligne



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	€
FPR 1/4	1/4" BSP	12	350	0,5	15,27
FPR 1/4 2.5	1/4" BSP	12	350	2,5	16,82
FPR 1/4-5	1/4" BSP	12	350	5	16,82
FPR 1/4-10	1/4" BSP	12	350	10	16,82
FPR 3/8	3/8" BSP	30	350	0,5	17,32
FPR 3/8 2.5	3/8" BSP	30	350	2,5	18,95
FPR 3/8-5	3/8" BSP	30	350	5	18,95
FPR 3/8-10	3/8" BSP	30	350	10	18,95
FPR 1/2	1/2" BSP	45	320	0,5	19,35
FPR 1/2 2.5	1/2" BSP	45	320	2,5	21,09
FPR 1/2-5	1/2" BSP	45	320	5	21,09
FPR 1/2-10	1/2" BSP	45	320	10	21,09
FPR 3/4	3/4" BSP	85	300	0,5	30,35
FPR 3/4 2.5	3/4" BSP	85	300	2,5	32,50
FPR 3/4-5	3/4" BSP	85	300	5	32,50
FPR 3/4-10	3/4" BSP	85	300	10	32,50
FPR 1	1" BSP	140	250	0,5	53,95
FPR 1 2.5	1" BSP	140	250	2,5	56,63
FPR 1-5	1" BSP	140	250	5	56,63
FPR 1-10	1" BSP	140	250	10	56,63
FPR 1 1/4	1"1/4 BSP	200	250	0,5	79,38
FPR 1 1/4 2.5	1"1/4 BSP	200	250	2,5	82,73
FPR 1 1/4-5	1"1/4 BSP	200	250	5	82,73
FPR 1 1/4-10	1"1/4 BSP	200	250	10	82,73
FPR 1 1/2	1"1/2 BSP	310	210	0,5	97,23
FPR 1 1/2 2.5	1"1/2 BSP	310	210	2,5	101,09
FPR 1 1/2-5	1"1/2 BSP	310	210	5	101,09
FPR 1 1/2-10	1"1/2 BSP	310	210	10	101,09

## Antirretorno simple pilotado (en línea)

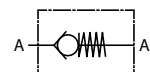
Single pilot operated check valve - line mounted  
Clapet antiretour simple piloté (en ligne)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€	
FPS 1/4	1/4" BSP	1/4" BSP	12	350	53,73
FPS 3/8	3/8" BSP	1/4" BSP	30	310	58,00
FPS 1/2	1/2" BSP	1/4" BSP	45	310	66,17
FPS 3/4	3/4" BSP	1/4" BSP	85	300	113,41

## Antirretorno insertable (en línea)

Check-valve insert version  
Clapet antiretour insertable (en ligne)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
FPRI 1/4	1/4" BSP	15	350	20,94
FPRI 3/8	3/8" BSP	30	350	23,24
FPRI 1/2	1/2" BSP	45	350	25,37
FPRI 3/4	3/4" BSP	80	300	34,17

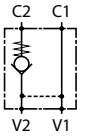
# Antirretornos

Check Valves  
Antiretour



## Ant.simple pilot. bloque línea- aluminio

Single pilot check valve -block- line-aluminium  
Bloc avec antiretour simple piloté en ligne- aluminium

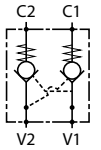


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPSL 3/8</b>	3/8" BSP	25	250	<b>69,64</b>
<b>FPSL 1/2</b>	1/2" BSP	45	250	<b>74,64</b>
<b>FPSL 3/4</b>	3/4" BSP	85	250	<b>135,60</b>



## Ant. doble pilot. bloque línea- aluminio

Double pilot operated check valve-block-line-aluminium  
Bloc avec antiretour double piloté en ligne- aluminium

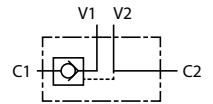


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPDL 3/8</b>	3/8" BSP	25	250	<b>95,43</b>
<b>FPDL 1/2</b>	1/2" BSP	45	250	<b>104,47</b>
<b>FPDL 3/4</b>	3/4" BSP	85	250	<b>208,92</b>



## Ant. simple pilotado en bloque (en T)

Single pilot operated check valves in block (in T)  
Bloc avec antiretour simple piloté (en T)

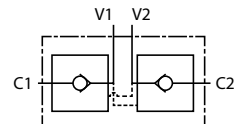


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPD 1/4-1R</b>	1/4" BSP	12	350	<b>38,92</b>
<b>FPD 3/8-20L-1R</b>	3/8" BSP	20	300	<b>44,25</b>
<b>FPD 3/8-1R</b>	3/8" BSP	30	300	<b>60,77</b>
<b>FPD 1/2-1R</b>	1/2" BSP	45	300	<b>68,79</b>
<b>FPD 3/4-1R</b>	3/4" BSP	85	280	<b>122,53</b>



## Ant. doble pilotado en bloque (en T)

Hydro pilot operated double check valves in block (in T)  
Bloc avec antiretour double piloté (en T)

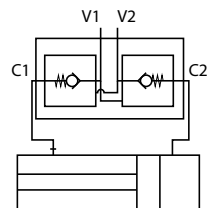


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPD 1/4</b>	1/4" BSP	12	350	<b>40,89</b>
<b>FPD 3/8-20 L</b>	3/8" BSP	20	300	<b>40,89</b>
<b>FPD 3/8</b>	3/8" BSP	30	300	<b>65,30</b>
<b>FPD 1/2</b>	1/2" BSP	45	300	<b>72,31</b>
<b>FPD 3/4</b>	3/4" BSP	85	280	<b>130,57</b>



## Ant.doble pilotado en bloque con racores

Hydro pilot operated double check valve in block with banjo  
Bloc avec antiretour double piloté avec raccords



Part nº Referencia	PIPE TUBO	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPD 1/4 1RO SR</b>	12	1/4" BSP	1 RACOR	12	250	<b>44,25</b>
<b>FPD 1/4-2R0</b>	12	1/4" BSP	2 RACORES	12	250	<b>47,76</b>
<b>FPD 3/8 20L 2RO SR</b>	12	3/8" BSP	2 RACORES	20	250	<b>47,76</b>

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

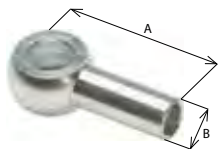
Hydraulic cylinders

# Antirretornos

Check Valves  
Antiretour

## Tubo con orientable para FPD 1/4-2RO

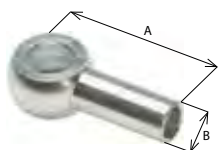
Pipe for body Tube avec banjo pour corps FPD 1/4 2RO  
Tube avec banjo pour FPD 1/4-2RO



Part nº Referencia	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	A	B	€
<b>50604022</b>	250	42	12	<b>3,25</b>
<b>50604028</b>	250	200	12	<b>9,26</b>

## Tubo con orientable para FPD 3/8 20L 2RO SR

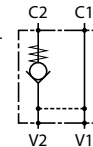
Pipe for body Tube avec banjo pour corps FPD 3/8 20L 2RO SR  
Tube avec banjo pour corps FPD 3/8 20L 2RO SR



Part nº Referencia	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	A	B	€
<b>50604012</b>	250	42	12	<b>3,51</b>
<b>50604018</b>	250	200	12	<b>5,06</b>
<b>50604019</b>	250	300	12	<b>6,14</b>
<b>50604020</b>	250	400	12	<b>7,32</b>
<b>50604021</b>	250	500	12	<b>9,57</b>

## Antirretorno simple pilotado montaje sobre placa (aluminio)

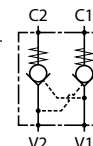
Stackable simple pilot check valve plate mounting (alum.)  
Bloc antiretour simple piloté montage sur plaque - aluminium



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>FPSF 3/8</b>	3/8" BSP	6	250	<b>75,63</b>
<b>FPSF 1/2</b>	1/2" BSP	8	250	<b>82,59</b>
<b>FPSF 3/4</b>	3/4" BSP	14	250	<b>146,64</b>

## Antirretorno doble pilotado montaje sobre placa (aluminio)

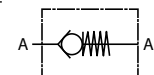
Stackable double pilot check valve plate mounting (alum.)  
Bloc antiretour double piloté montage sur plaque - aluminium



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>FPDF 3/8</b>	3/8" BSP	6	250	<b>107,49</b>
<b>FPDF 1/2</b>	1/2" BSP	8	250	<b>117,54</b>
<b>FPDF 3/4</b>	3/4" BSP	14	250	<b>218,97</b>

## Antirretorno en línea H-H, Tipo FT

Check valve line mounting F-F, FT Type  
Antiretour en Ligne F-F, Type FT



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>FT257604</b>	1/4" BSP	30	400	<b>21,75</b>
<b>FT257606</b>	3/8" BSP	50	400	<b>24,49</b>
<b>FT257608</b>	1/2" BSP	80	400	<b>26,29</b>
<b>FT257612</b>	3/4" BSP	100	400	<b>36,87</b>
<b>FT257616</b>	1" BSP	120	320	<b>57,35</b>

# Reguladores de Caudal

Flow Control Valves  
Régulateurs de débit

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

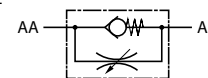
Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

## Regulador Caudal Forjado Unidireccional



Unidirectional flow control valve  
Régulateur Débit Unidirectionnel



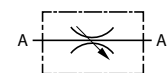
Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT251U04</b>	1/4" BSP	M17x1	12	350	25	*
<b>FT251U06</b>	3/8" BSP	M20x1	30	350	25	*
<b>FT251U08</b>	1/2" BSP	M25x1,5	45	350	25	*
<b>FT251U12</b>	3/4" BSP	M30x1,5	85	350	25	*
<b>FT251U16</b>	1" BSP	M40x1,5	125	320	25	*

\*Ver precios en pág. (TrAle) / \*See prices in page (TrAle) / \*Voir les prix à la page (TrAle)

## Regulador Caudal Forjado Bidireccional



Bidirectional flow control valve  
Régulateur Débit Bidirectionnel



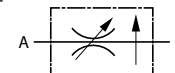
Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT251B04</b>	1/4" BSP	M17x1	12	350	25	*
<b>FT251B06</b>	3/8" BSP	M20x1	30	350	25	*
<b>FT251B08</b>	1/2" BSP	M25x1,5	45	350	25	*
<b>FT251B12</b>	3/4" BSP	M30x1,5	85	350	25	*
<b>FT251B16</b>	1" BSP	M40x1,5	125	350	25	*

\*Ver precios en pág. (TrAle) / \*See prices in page (TrAle) / \*Voir les prix à la page (TrAle)

## Regulador caudal insertable compensado



Compensated Insertable flow control valve  
Régulateur débit insertable compensé

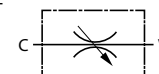


Part nº Referencia	THREAD ROSCA	MÍN. PRESS. (bar) PRESIÓN MÍN. (bar)	FLOW (l/min) CAUDAL (l/min)	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT287233</b>	M33x1,5	7,5	18	320	25	<b>162,15</b>
<b>FT287239</b>	M39x1,5	10	35	320	25	<b>187,31</b>
<b>FT287248</b>	M48x2	12	65	320	25	<b>234,86</b>

## Racor tornillo orientable con regulador



Adjustable screw fitting with regulator  
Raccord à vis réglable avec régulateur

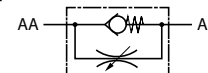


Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>R1351</b>	1/4" BSP	320	<b>6,52</b>
<b>R1361</b>	3/8" BSP	320	<b>8,09</b>

## Regulador caudal unidireccional (volante metálico)



Unidirectional flow control valve (metallic wheel)  
Régulateur débit unidirectionnel (volant métallique)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPSU 1/4</b>	1/4" BSP	12	300	<b>42,99</b>
<b>FPSU 3/8</b>	3/8" BSP	25	300	<b>46,77</b>
<b>FPSU 1/2</b>	1/2" BSP	40	280	<b>50,95</b>

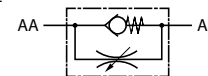
# Reguladores de caudal

Flow Control Valves  
Régulateurs de débit

## Regulador caudal unidireccional (volante plástico)



Unidirectional flow control valve (plastic wheel)  
Régulateur débit unidirectionnel (volant plastique)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPU 1/4</b>	1/4" BSP	12	300	<b>45,66</b>
<b>FPU 3/8</b>	3/8" BSP	30	300	<b>55,51</b>
<b>FPU 1/2</b>	1/2" BSP	45	280	<b>66,05</b>
<b>FPU 3/4</b>	3/4" BSP	85	250	<b>111,43</b>

## Regulador caudal bidireccional (volante metálico)



Bidirectional flow control valve (metallic wheel)  
Régulateur débit bidirectionnel (volant métallique)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPSB 1/4</b>	1/4" BSP	12	300	<b>40,02</b>
<b>FPSB 3/8</b>	3/8" BSP	30	300	<b>44,44</b>
<b>FPSB 1/2</b>	1/2" BSP	45	280	<b>48,47</b>

## Regulador caudal bidireccional (volante plástico)



Bidirectional flow control valve (plastic wheel)  
Régulateur débit bidirectionnel (volant plastique)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPB 1/4</b>	1/4" BSP	12	300	<b>40,69</b>
<b>FPB 3/8</b>	3/8" BSP	30	300	<b>50,34</b>
<b>FPB 1/2</b>	1/2" BSP	45	280	<b>60,29</b>
<b>FPB 3/4</b>	3/4" BSP	85	250	<b>99,70</b>

## Tuerca pasatabiques para reguladores FPU y FPB



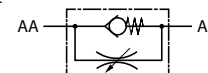
Nut bulkhead flow control valve FPU and FPB  
Écrou passe-cloison pour régulateurs FPU et FPB

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>TPFPUB1/4</b>	Para reguladores FPU/FPB M21x1	<b>5,04</b>
<b>TPFPUB3/8</b>	Para reguladores FPU/FPB M25x1.5	<b>5,03</b>
<b>TPFPUB1/2</b>	Para reguladores FPU/FPB M30x1.5	<b>6,04</b>
<b>TPFPUB3/4</b>	Para reguladores FPU/FPB M35x1.5	<b>7,04</b>

## Regulador caudal unidireccional corto 210 bar H-H Cromados



Unidirectional flow control valve short, 210bar F-F-chromed  
Régulateur débit unidirectionnel court 210bar F-F -Chromé



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€	
<b>FT1253U04</b>	1/4" BSP	M17X1	9	210	25	<b>45,56</b>
<b>FT1253U06</b>	3/8" BSP	M20X1	22	210	25	<b>63,44</b>
<b>FT1253U08</b>	1/2" BSP	M25X1,5	35	210	25	<b>75,60</b>

# Reguladores de Caudal

Flow Control Valves  
Régulateurs de débit

## Regulador caudal bidireccional 210 bar H-H-Cromados



*Bidirectional flow control valve 210 bar F-F Chromed*  
Régulateur débit bidirectionnel 210 bar F-F Chromé

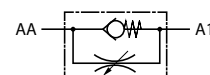


Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT1251B0104</b>	1/4" BSP	M17X1	12	210	25	<b>28,42</b>
<b>FT1251B0106</b>	3/8" BSP	M20X1	30	210	25	<b>36,02</b>
<b>FT1251B0108</b>	1/2" BSP	M25X1,5	60	210	25	<b>53,03</b>

## Regulador caudal unidireccional 210 bar H-H-Cromados



*Unidirectional flow control valve 210 bar F-F Chromed*  
Régulateur débit unidirectionnel 210 bar F-F Chromé



Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT1251U04</b>	1/4" BSP	M17X1	12	210	25	<b>39,86</b>
<b>FT1251U06</b>	3/8" BSP	M20X1	30	210	25	<b>46,67</b>
<b>FT1251U08</b>	1/2" BSP	M25X1,5	60	210	25	<b>64,14</b>

## Regulador caudal bidireccional 210 BAR M-H Cromados



*Bidirectional flow control valve 210 bar M-F Chromed*  
Régulateur débit bidirectionnel 210 BAR M-F Chromé

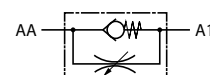


Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€	
<b>FT1251B0204</b>	1/4" BSP	M17X1	1/4" Gc	12	210	25	<b>29,54</b>
<b>FT1251B0206</b>	3/8" BSP	M20X1	3/8" Gc	30	210	25	<b>37,48</b>
<b>FT1251B0208</b>	1/2" BSP	M25X1,5	1/2" Gc	60	210	25	<b>56,66</b>

## Regulador caudal regulación fina unidireccional



*Unidirectional flow control valve- Fine Adjustment*  
Régulateur de débit unidirectionnel- Réglage précis



Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT12375U02</b>	1/8" BSP	M15X1	2,2	210	25	<b>54,17</b>

## Regulador caudal regulación fina bidireccional



*Bidirectional flow control valve- Fine Adjustment*  
Régulateur de débit bidirectionnel- Réglage précis



Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT12372B02</b>	1/8" BSP	M15X1	2,2	210	25	<b>47,91</b>

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

Hydraulic cylinders

# Reguladores de Caudal

Flow Control Valves  
Régulateurs de débit

## Regulador caudal bidireccional en línea

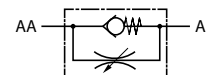
Bidirectional flow control valve in line  
Régulateurs de débit bidirectionnel en ligne



Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT2572B02</b>	1/8" BSP	M17X1	8	400	25	<b>51,29</b>
<b>FT2572B04</b>	1/4" BSP	M20X1	14	400	25	<b>48,03</b>
<b>FT2572B06</b>	3/8" BSP	M25X1,5	38	400	25	<b>58,37</b>
<b>FT2572B08</b>	1/2" BSP	M30X1,5	52	400	25	<b>72,05</b>
<b>FT2572B12</b>	3/4" BSP	M40X1,5	80	400	25	<b>122,24</b>
<b>FT2572B16</b>	1" BSP	M50X1,5	180	320	25	<b>218,26</b>
<b>FT2572B20</b>	1 1/4" BSP	M50X1,5	200	320	25	<b>296,67</b>
<b>FT2572B24</b>	1 1/2" BSP	M55X2	210	320	25	<b>354,73</b>
<b>FT2572B32</b>	2" BSP	M65X2	210	320	25	<b>611,27</b>

## Regulador caudal unidireccional en línea

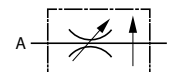
Unidirectional flow control valve in line  
Régulateurs de débit unidirectionnel en ligne



Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT257502</b>	1/8" BSP	M17X1	6	400	25	<b>63,75</b>
<b>FT257504</b>	1/4" BSP	M20X1	14	400	25	<b>55,14</b>
<b>FT257506</b>	3/8" BSP	M25X1,5	32	400	25	<b>63,22</b>
<b>FT257508</b>	1/2" BSP	M30X1,5	48	400	25	<b>79,83</b>
<b>FT257512</b>	3/4" BSP	M40X1,5	80	400	25	<b>130,73</b>
<b>FT257516</b>	1" BSP	M50X1,5	180	320	25	<b>268,20</b>
<b>FT257520</b>	1 1/4" BSP	M50X1,5	200	320	25	<b>337,73</b>
<b>FT257524</b>	1 1/2" BSP	M55X2	210	320	25	<b>400,65</b>
<b>FT257532</b>	2" BSP	M65X2	210	320	25	<b>765,56</b>

## Regulador caudal compensado bidireccional en línea

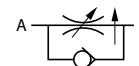
Bidirectional pressure compensated flow control valve in line  
Régulateurs de débit bidirectionnel compensé en ligne



Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT270204</b>	1/4" BSP	M20x1	22	250	25	<b>159,14</b>
<b>FT270206</b>	3/8" BSP	M25x1,5	45	250	25	<b>169,93</b>
<b>FT270208</b>	1/2" BSP	M30x1,5	100	250	25	<b>223,69</b>
<b>FT270212</b>	3/4" BSP	M40x1,5	150	250	25	<b>295,70</b>
<b>FT270216</b>	1" BSP	M50x1,5	200	250	25	<b>919,41</b>

## Regulador caudal compensado unidireccional en línea

Unidirectional pressure compensated flow control valve in line  
Régulateurs de débit unidirectionnel compensé en ligne



Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT270504</b>	1/4" BSP	M20x1	22	250	25	<b>159,14</b>
<b>FT270506</b>	3/8" BSP	M25x1,5	45	250	25	<b>169,93</b>
<b>FT270508</b>	1/2" BSP	M30x1,5	100	250	25	<b>223,69</b>
<b>FT270512</b>	3/4" BSP	M40x1,5	150	250	25	<b>295,70</b>
<b>FT270516</b>	1" BSP	M50x1,5	200	250	25	<b>919,41</b>



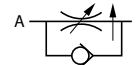
# Reguladores de Caudal

Flow Control Valves  
Régulateurs de débit

## Regulador caudal compensado unidireccional 320 bar



Unidirectional pressure compensated flow control valve 320 BAR  
Régulateur débit unidirectionnel compensé 320 bar

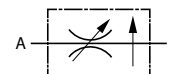


Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT2775U04</b>	1/4" BSP	M30X1,5	18	320	25	<b>252,74</b>
<b>FT2775U06</b>	3/8" BSP	M35X1,5	35	320	25	<b>284,02</b>
<b>FT2775U08</b>	1/2" BSP	M40X1,5	65	320	25	<b>386,95</b>
<b>FT2775U12</b>	3/4" BSP	M50X1,5	90	320	25	<b>495,37</b>

## Regulador caudal compensado bidireccional 320 bar



Bidirectional pressure compensated flow control valve 320 bar  
Régulateur débit bidirectionnel compensé 320 bar

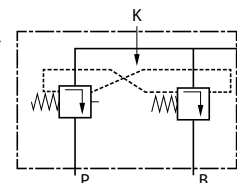


Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT2772B04</b>	1/4" BSP	M30X1,5	18	320	25	<b>211,33</b>
<b>FT2772B06</b>	3/8" BSP	M35X1,5	35	320	25	<b>239,29</b>
<b>FT2772B08</b>	1/2" BSP	M40X1,5	65	320	25	<b>309,74</b>
<b>FT2772B12</b>	3/4" BSP	M50X1,5	90	320	25	<b>436,08</b>

## Reguladores caudal compensados - tipo RF



Compensated flow control valve-type RF  
Régulateurs de débit compensés - type RF

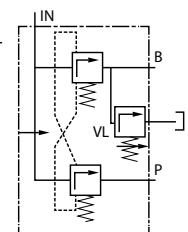


Part nº Referencia	THREAD ROSCA			MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>RF40P</b>	1/2" BSP	3/8" BSP	1/2" BSP	40	250	25	<b>162,82</b>
<b>RF70P</b>	3/4" BSP	1/2" BSP	3/4" BSP	80	250	25	<b>197,60</b>
<b>RF90P</b>	3/4" BSP	3/4" BSP	3/4" BSP	100	250	25	<b>350,14</b>

## Reguladores caudal compensados con limitadora - tipo RF



Comp. flow contr. valve-with limit. type RF  
Régulateurs de débit compensés avec limiteur - type RF

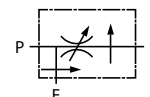


Part nº Referencia	THREAD ROSCA			MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>RF40PV</b>	1/2" BSP	3/8" BSP	1/2" BSP	40	250	<b>229,22</b>
<b>RF70PV</b>	3/4" BSP	1/2" BSP	3/4" BSP	70	250	<b>260,83</b>

## Regulador de caudal compensado 3 vías -Tipo FPVP (acero)



Compensated flow control valve 3 ways - Type FPVP (steel)  
Régulateur débit compensé 3 voies - Type FPVP (acier)



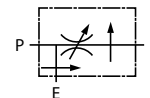
Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPVP 3/8 S G</b>	3/8" BSPP	150	350	<b>235,61</b>
<b>FPVP 1/2 S G</b>	1/2" BSPP	150	350	<b>235,61</b>
<b>FPVP 3/4 S G</b>	3/4" BSPP	150	350	<b>396,63</b>

# Reguladores de Caudal

Flow Control Valves  
Régulateurs de débit

## Reguladores de caudal compensados 3 vías con palanca

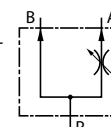
Pressure compensated flow control valve 3 ways+lever  
Régulateur débit compensé 3 voies + levier



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. REG. FLOW (l/min) CAUDAL MÁX. REG. (l/min)	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPVP 1/2 H</b>	1/2" BSP	90	50	250	<b>267,38</b>

## Regulador caudal compensado 3 vías eléctrico

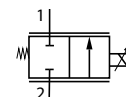
Electrical flow control valve 3 ways  
Régulateur de débit 3 voies électrique



Part nº Referencia	PRESSURE (Bar) TARAJE (BAR)	FLOW (l/min) CAUDAL (l/min)	VOLTAGE (V) VOLTAJE (V)	€
<b>R3VP50-12CC</b>	315	0-50	12 VDC	<b>2.140,29</b>
<b>R3VP50-24CC</b>	315	0-50	24 VDC	<b>2.140,29</b>

## Regulador 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 fermée

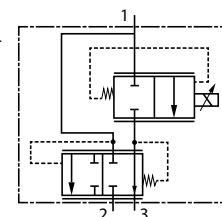


Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>REG2VPROP-12CC</b>	7/8 - 14 UNF	12 VDC	40	260	<b>490,28</b>
<b>REG2VPROP-24CC</b>	7/8 - 14 UNF	24 VDC	40	260	<b>490,28</b>

Es necesario utilizarlo con un potenciómetro (ver página) o un joystick proporcional. Controlador electrónico incluido. / It must be used with a potentiometer (see page) or a proportional joystick. Electronic driver included. / Il doit être utilisé avec un potentiomètre (voir page) ou un Joystick proportionnel. Contrôleur électronique inclus.

## Regulador caudal compensado 3 vías proporcional N.C.

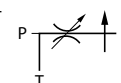
Proportional compensated flow control valve 3 ways normally closed  
Régulateur de débit compensé 3 voies proportionnel normalement fermée



Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>REG403VPROP-12CC</b>	7/8 - 14 UNF	12 VDC	40	270	<b>637,87</b>
<b>REG403VPROP-24CC</b>	7/8 - 14 UNF	24 VDC	40	270	<b>637,87</b>
<b>REG803VPROP-12CC</b>	M33	12 VDC	80	270	<b>734,40</b>
<b>REG803VPROP-24CC</b>	M33	24 VDC	80	270	<b>734,40</b>

## Reguladores caudal compensados - tipo FPRF

Compensated flow control valve- type FPRF  
Régulateurs de débit compensés - type FPRF



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. REG. FLOW (l/min) CAUDAL MÁX. REG. (l/min)	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPRF1/2G</b>	1/2"BSPP	90	50	250	<b>163,99</b>
<b>FPRF3/4G</b>	3/4"BSPP	150	90	250	<b>218,65</b>
<b>FPRF 1 G</b>	1"BSPP	240	150	250	<b>264,21</b>

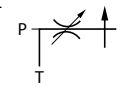
# Reguladores y Divisores de Caudal

Flow Control & Flow Dividers Valves  
Régulateurs et Diviseurs de débit

## Reguladores caudal compensados - tipo FPRF con palanca



Compensated flow control valve- type FPRF+lever  
Régulateurs de débit compensés - type FPRF+levier

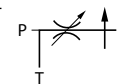


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. REG. FLOW (l/min) CAUDAL MÁX. REG. (l/min)	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPRF 1/2 H</b>	1/2" BSPP	90	50	250	<b>218,66</b>

## Regulador caudal con limitadora



Flow control valve with pressure control  
Régulateur de débit avec limiteur pression

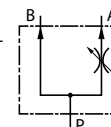


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. REG. FLOW (l/min) CAUDAL MÁX. REG. (l/min)	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPRF3/8GVM210</b>	3/8" BSPP	50	30	250	<b>265,64</b>
<b>FPRF1/2GVM210</b>	1/2" BSPP	90	50	250	<b>204,08</b>
<b>FPRF3/4GVM210</b>	3/4" BSPP	150	90	250	<b>258,74</b>

## Reguladores caudal compensados - tipo TVTC



Compensated flow control valve-type TVTC  
Régulateurs de débit compensés - type TVTC

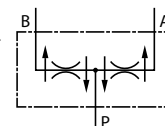


Part nº Referencia	THREAD ROSCA	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>TVTC-25-NV-1/2-3/4</b>	1/2" BSP	1	25 L	315	8	<b>295,96</b>
<b>TVTC-50-NV-1/2-3/4</b>	1/2" BSP	1	50 L	315	8	<b>295,96</b>

## Divisores compensados 50% tipo VDP-material fundido



Flow dividers 50% -molten material  
Diviseurs de débit à 50% -matériel fondu



Part nº Referencia	THREAD ROSCA		MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	€
<b>VDP 02-10</b>	3/8" BSP	3/8" BSP	3	6	<b>240,49</b>
<b>VDP 02-15</b>	3/8" BSP	3/8" BSP	6	10	<b>240,49</b>
<b>VDP 02-20</b>	3/8" BSP	3/8" BSP	10	20	<b>240,49</b>
<b>VDP 02-22</b>	3/8" BSP	3/8" BSP	20	32	<b>240,49</b>
<b>VDP 02-25</b>	1/2" BSP	3/8" BSP	25	40	<b>243,62</b>
<b>VDP 02-30</b>	1/2" BSP	3/8" BSP	40	60	<b>243,62</b>
<b>VDP 02-50</b>	1/2" BSP	3/8" BSP	60	80	<b>259,30</b>

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.

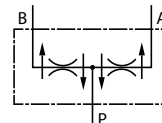
# Divisores de Caudal y Estranguladores

Flow Dividers and Restrictor Valves  
Diviseurs de débit et Etrangleurs

## Divisores de caudal al 50% - tipo FPDF



Flow dividers 50%-FPFD type  
Diviseurs de débit à 50% - type FPDF



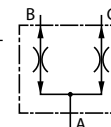
Part nº Referencia	THREAD ROSCA		FLOW (l/min) CAUDAL (l/min)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>FPFD S10 CB 3/8 3/8 SA</b>	3/8" BSPP	3/8" BSPP	1-5	350	<b>181,06</b>
<b>FPFD S10 CB 3/8 3/8 SE</b>	3/8" BSPP	3/8" BSPP	5-10	350	<b>181,06</b>
<b>FPFD S10 CB 3/8 3/8 SI</b>	3/8" BSPP	3/8" BSPP	10-20	350	<b>181,06</b>
<b>FPFD S10 CB 1/2-3/8 SM</b>	1/2" BSPP	3/8" BSPP	20-40	350	<b>181,06</b>
<b>FPFD S10 CB 1/2-3/8 SQ</b>	1/2" BSPP	3/8" BSPP	40-50	350	<b>181,03</b>
<b>FPFD S12 CB 1/2 1/2 SA</b>	1/2" BSPP	1/2" BSPP	50-75	350	<b>185,15</b>
<b>FPFD S12 CB 3/4 1/2 SE</b>	3/4" BSPP	1/2" BSPP	75-100	350	<b>214,98</b>
<b>FPFD S16 CB 3/4-3/4 SA</b>	3/4" BSPP	3/4" BSPP	80-115	350	<b>279,14</b>
<b>FPFD S16 CB 1 3/4 SE</b>	1" BSPP	3/4" BSPP	115-150	350	<b>279,12</b>

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.

## Divisores de caudal al 50% - tipo DTP



Flow dividers 50%-DTP type  
Diviseurs de débit à 50% - type DTP

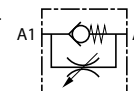


Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>DTP-6-35-G3/8</b>	3/8" BSP	Divisor Caudal 50%	12	35	350	8	<b>133,28</b>
<b>DTP-6-50-G3/8</b>	3/8" BSP	Divisor Caudal 50%	16	50	350	8	<b>132,35</b>

## Estrangulador unidireccional (regulable)



Adjustable unidirectional needle valve  
Étrangleur unidirectionnel réglable



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>FPMU 1/4</b>	1/4" BSP	12	350	<b>36,46</b>
<b>FPMU 3/8</b>	3/8" BSP	30	350	<b>39,41</b>
<b>FPMU 1/2</b>	1/2" BSP	45	310	<b>44,36</b>
<b>FPMU 3/4</b>	3/4" BSP	85	280	<b>63,06</b>
<b>FPMU 1</b>	1" BSP	150	250	<b>128,57</b>

## Estrangulador bidireccional (regulable)



Adjustable bidirectional needle valve  
Étrangleur bidirectionnel réglable



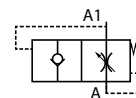
Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>FPMB 1/4</b>	1/4" BSP	12	350	<b>33,98</b>
<b>FPMB 3/8</b>	3/8" BSP	30	350	<b>35,47</b>
<b>FPMB 1/2</b>	1/2" BSP	45	310	<b>38,92</b>
<b>FPMB 3/4</b>	3/4" BSP	85	280	<b>54,21</b>
<b>FPMB 1</b>	1" BSP	150	250	<b>100,51</b>

# Paracaídas y Limitadoras

Hose Break Valves and Pressure relief Valves  
Valves Parachutes et Limiteurs de Pression

## Válvula paracaídas hembra-hembra

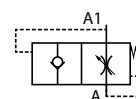
Hose break valve (female-female)  
Valve parachute femelle-femelle



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FFP 1/4</b>	1/4" BSP	25	350	<b>20,83</b>
<b>FFP 3/8</b>	3/8" BSP	50	350	<b>20,79</b>
<b>FFP 1/2</b>	1/2" BSP	80	350	<b>27,32</b>
<b>FFP 3/4</b>	3/4" BSP	150	350	<b>35,96</b>
<b>FFP 1</b>	1" BSP	200	300	<b>75,44</b>

## Válvula paracaídas macho-hembra

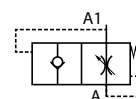
Hose break valve (male-female)  
Valve parachute male-femelle



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>MFP 1/4</b>	1/4" BSP	25	350	<b>20,83</b>
<b>MFP 3/8</b>	3/8" BSP	50	350	<b>20,79</b>
<b>MFP 1/2</b>	1/2" BSP	80	350	<b>27,32</b>
<b>MFP 3/4</b>	3/4" BSP	150	350	<b>35,96</b>
<b>MFP 1</b>	1" BSP	200	300	<b>75,40</b>

## Válvula paracaídas insertable - cierre total

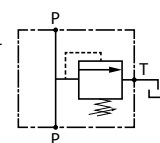
Plug-in hose break valve  
Valve parachute insertable- fermeture totale



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPP 1/4</b>	1/4" BSP	25	350	<b>14,20</b>
<b>FPP 3/8</b>	3/8" BSP	50	350	<b>15,38</b>
<b>FPP 1/2</b>	1/2" BSP	80	350	<b>17,94</b>
<b>FPP 3/4</b>	3/4" BSP	150	350	<b>24,04</b>
<b>FPP 1</b>	1" BSP	200	300	<b>49,77</b>

## Limit.pres.línea/regulación tornillo- alum.

Pressure relief valve in line/aluminium screw adj.  
Limiteur pression en ligne/régulation par vis- aluminium



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	COLOUR COLOR	€
<b>FPM D CB 40 P 3/8 05</b>	3/8" BSP	40	250	5	5-50	Blanco*	<b>62,28</b>
<b>FPM D CB 40 P 3/8 10</b>	3/8" BSP	40	250	30	30-100	Amarillo*	<b>62,28</b>
<b>FPM D CB 40 P 3/8 20</b>	3/8" BSP	40	250	50	50-220	Verde*	<b>62,28</b>
<b>FPM D CB 40 P 1/2 05</b>	1/2" BSP	40	250	5	5-50	Blanco*	<b>62,28</b>
<b>FPM D CB 40 P 1/2 10</b>	1/2" BSP	40	250	30	30-100	Amarillo*	<b>62,28</b>
<b>FPM D CB 40 P 1/2 20</b>	1/2" BSP	40	250	50	50-220	Verde*	<b>62,28</b>
<b>FPM D CB 70 P 1/2 05</b>	1/2" BSP	80	250	5	5 - 50	Blanco*	<b>78,35</b>
<b>FPM D CB 70 P 1/2 10</b>	1/2" BSP	80	250	30	30-100	Amarillo*	<b>78,35</b>
<b>FPM D CB 70 P 1/2 20</b>	1/2" BSP	80	250	80	80-280	Verde*	<b>78,35</b>
<b>FPM D CB 70 P 3/4 05</b>	3/4" BSP	80	250	5	5 - 50	Blanco*	<b>78,35</b>
<b>FPM D CB 70 P 3/4 10</b>	3/4" BSP	80	250	30	30-100	Amarillo*	<b>78,35</b>
<b>FPM D CB 70 P 3/4 20</b>	3/4" BSP	80	250	80	80-280	Verde*	<b>78,35</b>

\*Color del muelle / \*Spring colour / \*Couleur du ressort

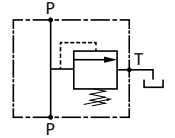
# Limitadoras de Presión

Pressure Control Valves  
Limiteurs de Pression



## Limit.pres.línea/regulación volante - alum.

Pressure relief valve in line (steering-wheel control)  
Limiteur pression en ligne/régulation par volant- aluminium

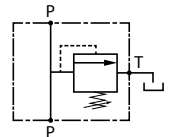


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	COLOUR COLOR	€
<b>FPM D CB 40 R 3/8 05</b>	3/8"BSP	40	250	5	5-50	Blanco*	<b>68,29</b>
<b>FPM D CB 40 R 3/8 10</b>	3/8"BSP	40	250	30	30-100	Amarillo*	<b>68,29</b>
<b>FPM D CB 40 R 3/8 20</b>	3/8"BSP	40	250	50	50-220	Verde*	<b>68,29</b>
<b>FPM D CB 40 R 1/2 05</b>	1/2"BSP	40	250	5	5-50	Blanco*	<b>68,29</b>
<b>FPM D CB 40 R 1/2 10</b>	1/2"BSP	40	250	30	30-100	Amarillo*	<b>68,29</b>
<b>FPM D CB 40 R 1/2 20</b>	1/2"BSP	40	250	50	50-220	Verde*	<b>68,29</b>
<b>FPM D CB 70 R 1/2 05</b>	1/2"BSP	80	250	5	5-50	Blanco*	<b>84,37</b>
<b>FPM D CB 70 R 1/2 10</b>	1/2"BSP	80	250	30	30-100	Amarillo*	<b>84,37</b>
<b>FPM D CB 70 R 1/2 20</b>	1/2"BSP	80	250	80	80-280	Verde*	<b>84,37</b>
<b>FPM D CB 70 R 3/4 05</b>	3/4"BSP	80	250	5	5-50	Blanco*	<b>84,37</b>
<b>FPM D CB 70 R 3/4 10</b>	3/4"BSP	80	250	30	30-100	Amarillo*	<b>84,37</b>
<b>FPM D CB 70 R 3/4 20</b>	3/4"BSP	80	250	80	80-280	Verde*	<b>84,37</b>

\*Color del muelle / \*Spring colour / \*Couleur du ressort

## Limit.pres.línea/tornillo-cuello para panel-alum.

Pressure relief valve in line (screw control)/panel  
Limiteur pression en ligne pour panneau/régulation par vis- aluminium



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	COLOUR COLOR	€
<b>FPM D CB 40F P 3/805</b>	3/8"BSP	40	250	5	5-50	Blanco*	<b>76,36</b>
<b>FPM D CB 40F P 3/810</b>	3/8"BSP	40	250	30	30-100	Amarillo*	<b>76,36</b>
<b>FPM D CB 40F P 3/820</b>	3/8"BSP	40	250	50	50-220	Verde*	<b>76,36</b>
<b>FPM D CB 40F P 1/205</b>	1/2"BSP	40	250	5	5-50	Blanco*	<b>76,36</b>
<b>FPM D CB 40F P 1/210</b>	1/2"BSP	40	250	30	30-100	Amarillo*	<b>76,36</b>
<b>FPM D CB 40F P 1/220</b>	1/2"BSP	40	250	50	50-220	Verde*	<b>76,36</b>
<b>FPM D CB 70F P 1/205</b>	1/2"BSP	80	250	5	5-50	Blanco*	<b>94,42</b>
<b>FPM D CB 70F P 1/210</b>	1/2"BSP	80	250	30	30-100	Amarillo*	<b>94,42</b>
<b>FPM D CB 70F P 1/220</b>	1/2"BSP	80	250	80	80-280	Verde*	<b>94,42</b>
<b>FPM D CB 70F P 3/405</b>	3/4"BSP	80	250	5	5-50	Blanco*	<b>94,42</b>
<b>FPM D CB 70F P 3/410</b>	3/4"BSP	80	250	30	30-100	Amarillo*	<b>94,42</b>
<b>FPM D CB 70F P 3/420</b>	3/4"BSP	80	250	80	80-280	Verde*	<b>94,42</b>

\*Color del muelle / \*Spring colour / \*Couleur du ressort

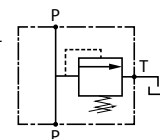
# Limitadoras de Presión

Pressure Control Valves  
Limiteurs de Pression

## Limit.pres.línea/volante-cuello para panel-alum.

Pressure relief valve in line (steering-wheel control)/panel

Limiteur pression en ligne pour panneau/régulation par volant- aluminium



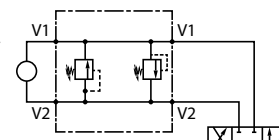
Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	COLOUR COLOR	€
<b>FPM D CB 40F R 3/805</b>	3/8"BSP	40	250	5	5-50	Blanco*	<b>82,36</b>
<b>FPM D CB 40F R 3/810</b>	3/8"BSP	40	250	30	30-100	Amarillo*	<b>82,36</b>
<b>FPM D CB 40F R 3/820</b>	3/8"BSP	40	250	50	50-220	Verde*	<b>82,36</b>
<b>FPM D CB 40F R 1/205</b>	1/2"BSP	40	250	5	5-50	Blanco*	<b>82,36</b>
<b>FPM D CB 40F R 1/210</b>	1/2"BSP	40	250	30	30-100	Amarillo*	<b>82,36</b>
<b>FPM D CB 40F R 1/220</b>	1/2"BSP	40	250	50	50-220	Verde*	<b>82,36</b>
<b>FPM D CB 70F R 1/205</b>	1/2"BSP	80	250	5	5-50	Blanco*	<b>100,44</b>
<b>FPM D CB 70F R 1/210</b>	1/2"BSP	80	250	30	30-100	Amarillo*	<b>100,44</b>
<b>FPM D CB 70F R 1/220</b>	1/2"BSP	80	250	80	80-280	Verde*	<b>100,44</b>
<b>FPM D CB 70F R 3/405</b>	3/4"BSP	80	250	5	5-50	Blanco*	<b>100,44</b>
<b>FPM D CB 70F R 3/410</b>	3/4"BSP	80	250	30	30-100	Amarillo*	<b>100,44</b>
<b>FPM D CB 70F R 3/420</b>	3/4"BSP	80	250	80	80-280	Verde*	<b>100,44</b>

\*Color del muelle / \*Spring colour / \*Couleur du ressort

## Limitadora presión doble línea/regulación tornillo acero

Pressure relief valve double in line (steel screw adj.)

Limiteur pression double en ligne/régulation par vis- acier



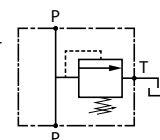
Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	COLOUR COLOR	€
<b>FPMD40ILP3/805</b>	3/8"BSP	40	250	5	5-50	Blanco *	<b>120,54</b>
<b>FPMD40ILP3/810</b>	3/8"BSP	40	250	30	30-100	Amarillo *	<b>120,54</b>
<b>FPMD40ILP3/820</b>	3/8"BSP	40	250	50	50-220	Verde *	<b>120,54</b>
<b>FPMD40ILP3/835</b>	3/8"BSP	40	250	80	80-350	Rojo *	<b>120,54</b>
<b>FPMD70ILP1/205</b>	1/2"BSP	80	250	5	5-50	Blanco *	<b>140,64</b>
<b>FPMD70ILP1/210</b>	1/2"BSP	80	250	30	30-100	Amarillo *	<b>140,64</b>
<b>FPMD70ILP1/220</b>	1/2"BSP	80	250	80	80-280	Verde *	<b>140,64</b>
<b>FPMD70ILP1/235</b>	1/2"BSP	80	250	120	120-320	Rojo *	<b>140,64</b>

\*Color del muelle / \*Spring colour / \*Couleur du ressort

## Limitadora presión línea /regulable tornillo - acero

Pressure relief valve in line (steel screw control)

Limiteur pression en ligne/régulation par vis - acier



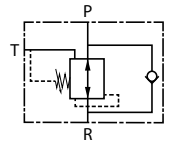
Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>VMP 3/8 50-250BAR</b>	3/8"BSP	45	250	130	50-250	<b>41,42</b>
<b>VMP 3/8 80-300BAR</b>	3/8"BSP	45	300	150	80-300	<b>41,41</b>
<b>VMP 1/2 50-250BAR</b>	1/2"BSP	70	250	130	50-250	<b>45,54</b>
<b>VMP 1/2 80-300BAR</b>	1/2"BSP	70	300	150	80-300	<b>45,54</b>
<b>VMPP 3/4 20-200BAR</b>	3/4"BSP	120	200	100	20-200	<b>121,28</b>
<b>VMP 3/4 50-250BAR</b>	3/4"BSP	120	250	130	50-250	<b>60,49</b>
<b>VMP 3/4 80-300BAR</b>	3/4"BSP	120	300	150	80-300	<b>60,49</b>
<b>VMPP 3/4 50-400BAR</b>	3/4"BSP	120	400	180	50-400	<b>121,28</b>
<b>VMPP 1 50-400BAR</b>	1"BSP	180	400	180	50-400	<b>140,55</b>

# Válvulas de secuencia y Overcenter

Sequence Valve and Overcenter  
Valves de séquence et Overcenter

## Reductora presión en línea 210 bar 3/8" con retorno

Pressure reducing valve in line 210 bar 3/8" with return  
Reducteur pression en ligne 210 bar 3/8" avec retour

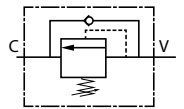


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	COLOUR COLOR	€
<b>FPRPUD30CB053/8P</b>	3/8" BSP	30	210	5	5 - 35	Blanco*	<b>148,44</b>
<b>FPRPUD30CB103/8P</b>	3/8" BSP	30	210	10	10 - 60	Amarillo*	<b>148,44</b>
<b>FPRPUD30CB203/8P</b>	3/8" BSP	30	210	15	15-100	Verde*	<b>174,28</b>
<b>FPRPUD30CB353/8P</b>	3/8" BSP	30	210	35	35-180	Rojo*	<b>174,28</b>

\*Color del muelle / \*Spring colour / \*Couleur du ressort

## Válvula secuencia con antiret. (aluminio)

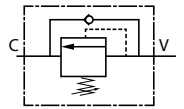
Sequence valve with check valve (aluminium)  
Valve de séquence avec antiretour (aluminium)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	COLOUR COLOR	€
<b>FPSQ/D/30/CB/P/38-35</b>	3/8" BSP	40	250	80	80-350	Rojo*	<b>87,65</b>
<b>FPSQ/40/12-10 AL</b>	1/2" BSP	40	250	30	30-100	Amarillo*	<b>87,65</b>
<b>FPSQ/40/12-20 AL</b>	1/2" BSP	40	250	50	50-220	Verde*	<b>87,65</b>
<b>FPSQ/40/12-35 AL</b>	1/2" BSP	40	250	80	80-350	Rojo*	<b>87,65</b>

## Válvula secuencia con antiret.

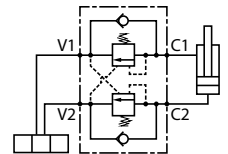
Sequence valve with check valve  
Valve de séquence avec antiretour



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>VS2C3/8</b>	3/8" BSP	35	350	90	10 - 180	<b>56,01</b>
<b>VS2C3/8 20-100</b>	3/8" BSP	35	350	75	20 - 100	<b>56,68</b>
<b>VS2C3/8 50-250</b>	3/8" BSP	35	350	130	50 - 250	<b>56,68</b>
<b>VS2C1/2</b>	1/2" BSP	70	350	90	10 - 180	<b>68,38</b>
<b>VS2C1/2 20-100</b>	1/2" BSP	70	350	75	20 - 100	<b>68,38</b>
<b>VS2C1/2 50-250</b>	1/2" BSP	70	350	130	50 - 250	<b>68,38</b>

## Overcenter D.E. (en línea)

Double acting overcenter (in line)  
Valve d'équilibrage effet double (en ligne)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPO D 3/8 L 20</b>	3/8" BSP	50	350	170	60 - 210	<b>162,95</b>
<b>FPO D 3/8 L 35</b>	3/8" BSP	50	350	280	80 - 350	<b>162,95</b>
<b>FPO D 1/2 L 20</b>	1/2" BSP	50	350	170	60 - 210	<b>171,44</b>
<b>FPO D 1/2 L 35</b>	1/2" BSP	50	350	280	80 - 350	<b>171,44</b>

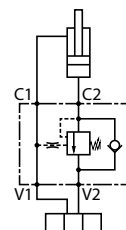


# Válvulas Overcenter

Overcenter  
Overcenter

## Overcenter S.E.(en línea-pilot. interno)

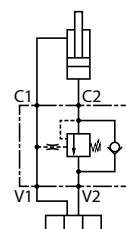
Single acting overcenter (line-internal pilot)  
Valve d'équilibrage effet simple (en ligne-pilotage interne)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPO S 1/4 LP 20</b>	1/4" BSP	50	350	170	60 - 210	<b>102,46</b>
<b>FPO S 1/4 LP 35</b>	1/4" BSP	50	350	280	80 - 350	<b>102,46</b>
<b>FPO S 3/8 LP 20</b>	3/8" BSP	50	350	170	60 - 210	<b>102,46</b>
<b>FPO S 3/8 LP 35</b>	3/8" BSP	50	350	280	80 - 350	<b>102,46</b>
<b>FPO S 1/2 LP20</b>	1/2" BSP	50	350	170	60 - 210	<b>109,29</b>
<b>FPO S 1/2 LP35</b>	1/2" BSP	50	350	280	80 - 350	<b>109,29</b>

## Overcenter S.E.(en línea-pilot. interno) 3/4"

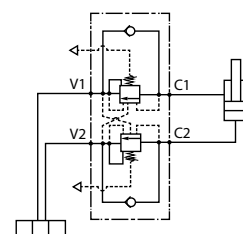
Single acting overcenter (line-internal pilot) 3/4"  
Valve d'équilibrage effet simple (en ligne-pilotage interne) 3/4"



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPOE120S3/4LPA35</b>	3/4" BSP	120	250	350	120-350	<b>139,14</b>

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

Double acting balanced overcenter (line)  
Valve d'équilibrage balancée effet double (en ligne)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPOB D 3/8 L 20</b>	3/8" BSP	50	350	170	60 - 210	<b>234,52</b>
<b>FPOB D 3/8 L 35</b>	3/8" BSP	50	350	280	80 - 350	<b>234,52</b>
<b>FPOB D 1/2 L20</b>	1/2" BSP	50	350	170	60 - 210	<b>242,38</b>
<b>FPOB D 1/2 L35</b>	1/2" BSP	50	350	280	80 - 350	<b>242,38</b>
<b>FPOB 150 D 3/4 L35</b>	3/4" BSP	150	350	280	100-350	<b>344,32</b>

# Válvulas Overcenter

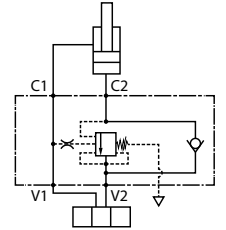
Overcenter  
Overcenter



## Overcenter balanceada S.E. (pilot.interno)

Single acting balanced overcenter (internal pilot)

Valve d'équilibrage balancée effet simple (en ligne- pilotage interne)

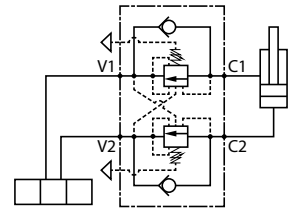


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPOB S 1/4 LP 20</b>	1/4" BSP	50	350	170	60 - 210	<b>144,40</b>
<b>FPOB S 1/4 LP 35</b>	1/4" BSP	50	350	280	80 - 350	<b>144,40</b>
<b>FPOB S 3/8 LP 20</b>	3/8" BSP	50	350	170	60 - 210	<b>144,40</b>
<b>FPOB S 3/8 LP 35</b>	3/8" BSP	50	350	280	80 - 350	<b>144,40</b>
<b>FPOB S 1/2 LP20</b>	1/2" BSP	50	350	170	60 - 210	<b>152,23</b>
<b>FPOB S 1/2 LP35</b>	1/2" BSP	50	350	280	80 - 350	<b>152,23</b>

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

Double acting balancing overcenter (in line)

Valve d'équilibrage balancée effet double (en ligne)

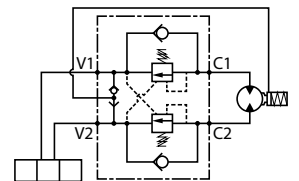


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPOEB120D3/4LA20</b>	3/4" BSP	120	250	200	60 - 210	<b>284,43</b>
<b>FPOEB120D3/4LA35</b>	3/4" BSP	120	250	250	120 - 350	<b>284,43</b>

## Overcenter D.E con línea "U", Pilotaje freno

Double acting overcenter line U with brake release port

Valves d'équilibrage effet double en ligne U avec Pilotage frein

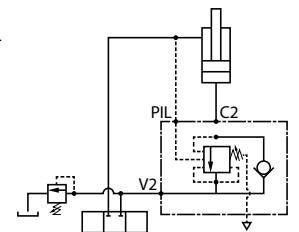


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPO50D3/8LU20</b>	3/8" BSP	50	350	170	60 - 210	<b>168,03</b>
<b>FPO50D3/8LU35</b>	3/8" BSP	50	350	280	80 - 350	<b>172,23</b>
<b>FPO50D1/2LU20</b>	1/2" BSP	50	350	170	60 - 210	<b>176,31</b>
<b>FPO50D1/2LU35</b>	1/2" BSP	50	350	280	80 - 350	<b>180,72</b>

## Overcenter balanceada S.E. (pilot.externo)

Single acting balancing overcenter (external pilot)

Valve d'équilibrage balancée effet simple (pilotage externe)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPOB S 1/4 L20</b>	1/4" BSP	50	350	170	60 - 210	<b>138,55</b>
<b>FPOB S 1/4 L35</b>	1/4" BSP	50	350	280	80 - 350	<b>138,55</b>
<b>FPOB S 3/8 L20</b>	3/8" BSP	50	350	170	60 - 210	<b>138,55</b>
<b>FPOB S 3/8 L35</b>	3/8" BSP	50	350	280	80 - 350	<b>138,55</b>
<b>FPOB S 1/2 L20</b>	1/2" BSP	50	350	170	60 - 210	<b>150,27</b>
<b>FPOB S 1/2 L35</b>	1/2" BSP	50	350	280	80 - 350	<b>150,27</b>

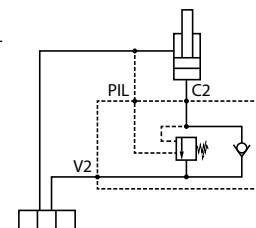
# Válvulas Overcenter

Overcenter  
Overcenter



## Overcenter S.E. (en línea-pilotaje externo)

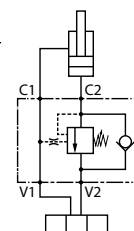
Single acting overcenter (line-external pilot)  
Valve d'équilibrage effet simple (en ligne - pilotage externe)



Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPO S 1/4 L20</b>	1/4" BSP	1/4" BSP	50	350	170	60 - 210	<b>85,87</b>
<b>FPO S 1/4 L35</b>	1/4" BSP	1/4" BSP	50	350	280	80 - 350	<b>85,87</b>
<b>FPO S 3/8 L20</b>	3/8" BSP	1/4" BSP	50	350	170	60 - 210	<b>85,87</b>
<b>FPO S 3/8 L35</b>	3/8" BSP	1/4" BSP	50	350	280	80 - 350	<b>85,87</b>
<b>FPO S 1/2 L20</b>	1/2" BSP	1/4" BSP	50	350	170	60 - 210	<b>90,76</b>
<b>FPO S 1/2 L35</b>	1/2" BSP	1/4" BSP	50	350	280	80 - 350	<b>90,76</b>

## O.C. Overcenter S.E. (pilotaje interno)

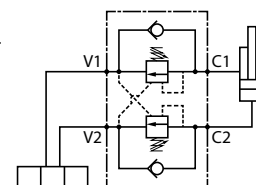
Single acting OC overcenter (internal pilot)  
O.C. Valves d'équilibrage effet simple (pilotage interne)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPOE70S1/2LPA20</b>	1/2" BSP	70	350	200	60-210	<b>98,91</b>
<b>FPOE70S1/2LPA35</b>	1/2" BSP	70	350	350	120-350	<b>98,91</b>

## O.C. Overcenter D.E. (en línea)

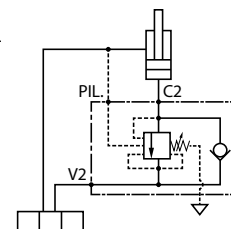
Double acting OC overcenter (in line)  
O.C. Valve d'équilibrage effet double (en ligne)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPOE40D3/8LA20</b>	3/8" BSP	40	350	200	60-210	<b>144,04</b>
<b>FPOE40D3/8LA35</b>	3/8" BSP	40	350	250	120-350	<b>144,04</b>
<b>FPOE120D3/4LA20</b>	3/4" BSP	120	250	200	60-210	<b>241,51</b>
<b>FPOE120D3/4LA35</b>	3/4" BSP	120	350	250	120-350	<b>241,51</b>

## O.C. Overcenter balanceada S.E. (pilot.externo)

Single acting balancing OC overcenter (external pilot)  
O.C. Valve d'équilibrage balancée effet simple (pilotage externe)



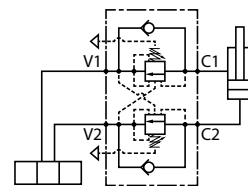
Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPOB50S3/8L20</b>	3/8" BSP	1/4" BSP	50	350	170	60-210	<b>135,18</b>
<b>FPOB50S3/8L35</b>	3/8" BSP	1/4" BSP	50	350	280	80-350	<b>135,18</b>
<b>FPOB50S1/2L20</b>	1/2" BSP	1/4" BSP	50	250	170	60-210	<b>146,60</b>
<b>FPOB50S1/2L35</b>	1/2" BSP	1/4" BSP	50	350	280	80-350	<b>146,60</b>

## Otras válvulas

Other Valves  
Autres Valves

### O.C. Overcenter balanceada D.E. (en línea)

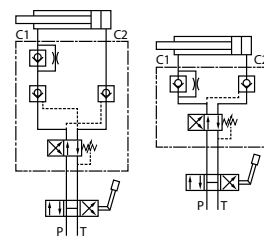
Double acting balanced OC overcenter (in line)  
O.C. Valve d'équilibrage balancée effet double (en ligne)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPOEB70D1/2LA20</b>	1/2" BSP	70	250	200	60-210	<b>185,69</b>
<b>FPOEB70D1/2LA35</b>	1/2" BSP	70	350	250	80-350	<b>185,69</b>

### Válvulas inversoras de cilindro (volteo)

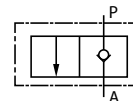
Cylinders inverter valves  
Valves de retenue de charge (special charrue balance)



Part nº Referencia	THREAD ROSCA	CYLINDER WITH PISTON CILINDRO CON PISTÓN	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VRA 60/80 S.E.</b>	3/8" BSP	60-80mm	50	400	<b>180,90</b>
<b>VRAP 80/100 DE</b>	3/8" BSP	80-100mm	90	400	<b>208,10</b>

### Fin de carrera para basculantes- acero

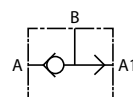
End of stroke (trucks) steel  
Fin de course pour camion - acier



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VFC12</b>	1/2"	60	350	<b>103,04</b>
<b>VFC34</b>	3/4"	100	350	<b>109,17</b>

### Conmutadora o selectora

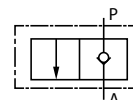
Switchboard or directional valve  
Commuteur / bloc selecteur



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPT 1/4</b>	1/4" BSP	25	350	<b>31,65</b>
<b>FPT 3/8</b>	3/8" BSP	50	350	<b>35,66</b>

### Fin de carrera industriales - acero

Industrial end of stroke-steel  
Fin de course industriels - acier



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FC 14 AC</b>	1/4" BSP	25	250	<b>99,82</b>
<b>FC 38 AC</b>	3/8" BSP	45	250	<b>100,65</b>

## Otras válvulas

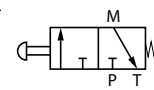
Other Valves  
Autres Valves

### Excluser de manómetro para un manómetro (montaje panel)



Selector for one manometer

Isolateur de manomètres pour un manomètre (montage sur panneau)



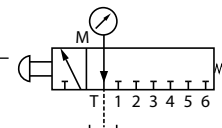
Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>FPEP 1/4</b>	1/4" BSP	350	<b>59,23</b>

### Excluser de manómetro para control 6 presiones (montaje panel)



Selector for 6 manometers

Isolateur de manomètres pour 6 manomètres (montage sur panneau)



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>FPEM6P 1/8</b>	1/8" BSP	350	<b>239,13</b>
<b>FPEM6P 1/4</b>	1/4" BSP	350	<b>239,13</b>

### Protector de manómetro en línea recto



Pressure gauge protector (line mounting)

Isolateur de manomètre droit (en ligne)



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>FPE 1G 1/4</b>	1/4" BSP	MF - TL	350	<b>18,74</b>
<b>FPE 2G 1/4</b>	1/4" BSP	TL - TL	350	<b>26,91</b>

### Protector de manómetro en línea a 90°



90° pressure gauge protector (line mounting)

Isolateur de manomètre coudé a 90° (en ligne)



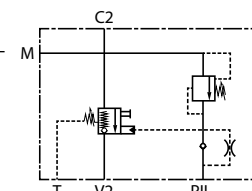
Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>FPEA 1G 1/4</b>	1/4" BSP	MF - TL	350	<b>18,74</b>
<b>FPEA 2G 1/4</b>	1/4" BSP	TL - TL	350	<b>26,90</b>

### 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



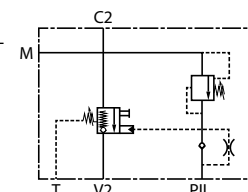
Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>FPEXC35S3/8LDX0550</b>	3/8" BSP	35	420 bar	<b>273,87</b>

# Válvulas Excavadoras

Excavator Valves  
Valves pour Excavatrices

## Válvula excavadora bloqueo y control, 3/8" izq

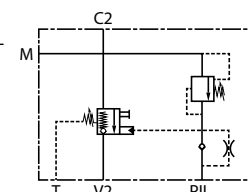
Flow check and metering excavator valve, 3/8, left  
Valve excavatrice, de blocage et control, 3/8", gauche



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPEXC35S3/8LSX0550</b>	3/8" BSP	35	420 bar	<b>273,87</b>

## Válvula excavadora bloqueo y control, 1/2" dcha

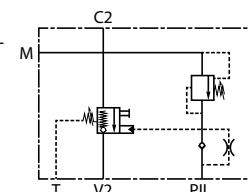
Flow check and metering excavator valve, 1/2, right  
Valve excavatrices, de blocage et control, 1/2", droite



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPEXC90S1/2LDX0550</b>	1/2" BSP	100	420 bar	<b>320,35</b>

## Válvula excavadora bloqueo y control, 1/2" izq

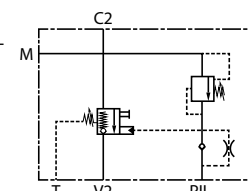
Flow check and metering excavator valve, 1/2, left  
Valve excavatrices, de blocage et control, 1/2", gauche



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPEXC90S1/2LSX0550</b>	1/2" BSP	100	420 bar	<b>320,35</b>

## Válvula excavadora bloqueo y control, 3/4" dcha

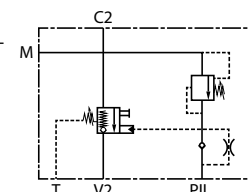
Flow check and metering excavator valve, 3/4, right  
Valve excavatrices, de blocage et control, 3/4", droite



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPEXC150S3/4LDX0550</b>	3/4" BSP	150	420 bar	<b>338,61</b>

## 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



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPEXC150S3/4LSX0550</b>	3/4" BSP	150	420 bar	<b>338,61</b>

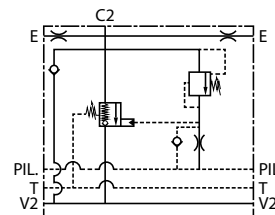
# Válvulas Excavadoras y Sobre motor

Excavator and Over Motor Valves

Valves pour Excavatrices et sur Moteurs

## Válvula excavadora bloqueo y control, 250 L

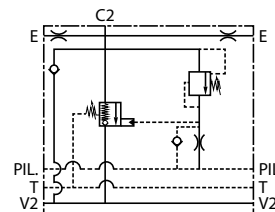
Flow check and metering excavator valve, 250 L  
Valve excavatrices, de blocage et control, 250 L



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPEXC250S3/41F3000</b>	3/4" SAE 3000	250	420 bar	<b>547,75</b>
<b>FPEXC250S3/41F6000</b>	3/4" SAE 6000	250	420 bar	<b>547,75</b>

## Válvula excavadora bloqueo y control, 400 L

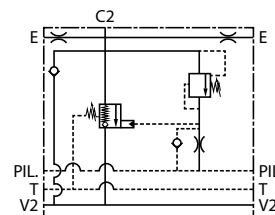
Flow check and metering excavator valve, 400 L  
Valve excavatrices, de blocage et control, 400 L



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPEXC400S11F6000</b>	1" SAE 6000	400	420 bar	<b>686,33</b>

## Válvula excavadora bloqueo y control, 500 L

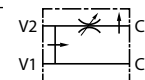
Flow check and metering excavator valve, 500 L  
Valve excavatrices, de blocage et control, 500 L



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPEXC500S11/41F6000</b>	1 1/4" SAE 6000	500	420 bar	<b>785,90</b>

## Válvulas reguladora caudal sobre motor tipo MOMP/MOMR/MOMH

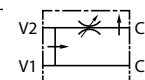
Flow control valve over motor type MOMP/MOMR/MOMH  
Régulateur de débit sur moteurs type MOMP/MOMR/MOMH



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPRF90DVD2R1/2</b>	1/2" BSP	90	250 bar	<b>256,83</b>

## Válvulas reguladoras de caudal sobre motor tipo MOMS

Flow control valve over motor type MOMS  
Régulateur de débit sur moteurs type MOMS



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPRF90DVD3R1/2</b>	1/2" BSP	90	250 bar	<b>249,89</b>

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

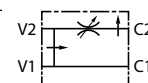
# Válvulas sobre Motor

Valves over Motor  
Valves sur le Moteur

## Válvulas reguladoras de caudal sobre motor tipo MOMT



Flow control valve over motor type MOMT  
Régulateur de débit sur moteurs type MOMT

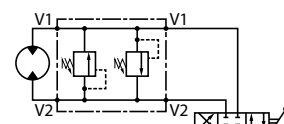


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FPRF90DFD4R1/2</b>	3/4" BSP	90	250 bar	<b>213,70</b>

## Válvulas limitadoras de presión sobre motor tipo MOMM



Pressure relief valve over motor type MOMM  
Limiteur de pression sur moteurs type MOMM

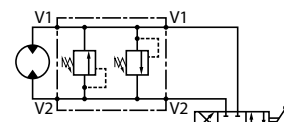


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPMD15DVD13/805P</b>	3/8" BSP	15	250 bar	5	5-60	<b>116,45</b>
<b>FPMD15DVD13/810P</b>	3/8" BSP	15	250 bar	20	20-130	<b>116,45</b>
<b>FPMD15DVD13/820P</b>	3/8" BSP	15	250 bar	40	40-240	<b>116,45</b>
<b>FPMD15DVD13/835P</b>	3/8" BSP	15	250 bar	50	50-350	<b>116,45</b>

## Válvulas limitadoras de presión sobre motor tipo MOMP/MOMR/MOMH



Pressure relief valve over motor type MOMP/MOMR/MOMH  
Limiteur de pression sur moteurs type MOMP/MOMR/MOMH

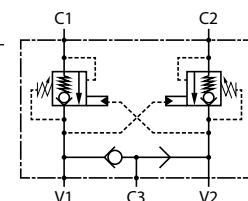


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPMD40DFD21/205P</b>	1/2" BSP	40	250 bar	5	5-50	<b>133,00</b>
<b>FPMD40DFD21/210P</b>	1/2" BSP	40	250 bar	30	30-100	<b>133,00</b>
<b>FPMD40DFD21/220P</b>	1/2" BSP	40	250 bar	50	50-220	<b>133,00</b>
<b>FPMD40DFD21/235P</b>	1/2" BSP	40	250 bar	80	80-350	<b>133,00</b>

## Válvulas overcenter sobre motor tipo MOMP/MOMR/MOMH



Overcenter valves over motor type MOMP/MOMR/MOMH  
Valves flasquables d'équilibrage sur moteurs type MOMP/MOMR/MOMH

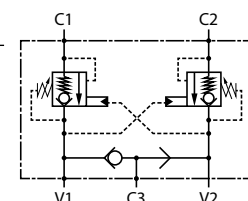


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPO50DVD21/2U35</b>	1/2" BSP	50	250 bar	280	100-350	<b>253,96</b>

## Válvulas overcenter sobre motor tipo MOMS



Overcenter valves over motor type MOMS  
Valves flasquables d'équilibrage sur moteurs type MOMS



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPO50DVD31/2U35</b>	1/2" BSP	50	250 bar	280	100-350	<b>253,96</b>



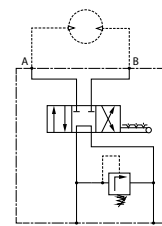
# Válvulas sobre Motor

Valves over Motor  
Valves sur le Moteur

## Distr.man.sobre motor tipo MOMP/R/H, D.E.con limit.de pres.



Hand control valve for MOMP/MOMR/MOMH motors, DOUBLE ACTING with pressure relief valve  
Distributeurs manuelles pour moteur type MOMP/MOMR/MOMH, D.E. avec limiteur de pression

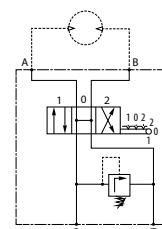


Part nº Referencia	DESCRIPTION DESCRIPCIÓN	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>BDR1205/25A</b>	Distrib.man.para motor tipo MOMP/R/H D.E. con limit.de pres.	50	210	<b>191,52</b>

## Distr.man.sobre motor tipo MOMP/R/H, MOTOR con limit.de pres.



Hand control valve for MOMP/MOMR/MOMH motors, MOTOR with pressure relief valve  
Distributeurs manuelles pour moteur type MOMP/MOMR/MOMH, MOTEUR avec limiteur de pression

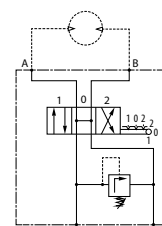


Part nº Referencia	DESCRIPTION DESCRIPCIÓN	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>BDR1204/25A</b>	Distrib.man.para motor tipo MOMS, MOTOR. con limit.de pres.	50	210	<b>191,52</b>

## Distr.man.sobre motor tipo MOMS, D.E.con limit.de pres.



Hand control valve for MOMS, DOUBLE ACTING with pressure relief valve  
Distributeurs manuelles pour moteur type MOMS, D.E. avec limiteur de pression

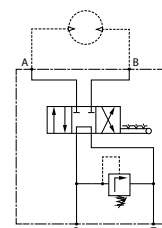


Part nº Referencia	DESCRIPTION DESCRIPCIÓN	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>BDS1204/25A</b>	Distrib.man.para motor tipo MOMS D.E. con limit.de pres.	50	250	<b>195,51</b>

## Distr.man. sobre motor tipo MOMS, MOTOR con limit.de pres.



Hand control valve for MOMS, MOTOR with pressure relief valve  
Distributeurs manuelles pour moteur type MOMS, MOTEUR avec limiteur de pression



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>BDS1205/25A</b>	Distrib.man.para motor tipo MOMS, MOTOR. con limit.de pres.	50	250	<b>195,51</b>

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

# Valvulería hidráulica con accionamiento eléctrico

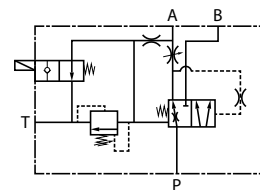
Hydraulic valves with electric drive

Valves hydrauliques avec actionnement électrique

## Válvula eléctrica martillos

Hammer control valve

Valve électrique pour actionnement marteaux

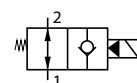


Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>FPEXCHEV123/4S20</b>	12 VDC	200	350	200	50-210	<b>827,10</b>
<b>FPEXCHEV123/4S35</b>	12 VDC	200	350	350	100-350 bar	<b>827,10</b>
<b>FPEXCHEV243/4S20</b>	24 VDC	200	350	200	50-210 bar	<b>827,10</b>
<b>FPEXCHEV243/4S35</b>	24 VDC	200	350	350	100-350 bar	<b>827,10</b>

## Válvula completa bidireccional N.A.

Bidirectional valve usually opened

Valve bidirectionnelle normalement ouverte

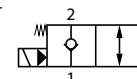


Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VCC08NA12CC</b>	3/8" BSP	12CC	35	230	<b>158,89</b>
<b>VCC08NA24CC</b>	3/8" BSP	24CC	35	230	<b>145,79</b>
<b>VCC08NA220AC</b>	3/8" BSP	220AC	35	230	<b>165,25</b>
<b>VCC10NA12CC</b>	1/2" BSP	12CC	80	230	<b>180,65</b>
<b>VCC10NA24CC</b>	1/2" BSP	24CC	80	230	<b>180,65</b>
<b>VCC10NA220AC</b>	1/2" BSP	220AC	80	230	<b>180,65</b>
<b>VCC12NA12CC</b>	3/4" BSP	12CC	115	210	<b>377,85</b>
<b>VCC12NA24CC</b>	3/4" BSP	24CC	115	210	<b>377,85</b>
<b>VCC12NA220AC</b>	3/4" BSP	220AC	115	210	<b>391,33</b>

## Válvula completa bidireccional N.C.

Bidirectional valve usually closed

Valve bidirectionnelle normalement fermée



Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VCC08NC12CC</b>	3/8" BSP	12CC	35	230	<b>137,79</b>
<b>VCC08NC24CC</b>	3/8" BSP	24CC	35	230	<b>137,79</b>
<b>VCC08NC220AC</b>	3/8" BSP	220AC	35	230	<b>144,15</b>
<b>VCC10NC12CC</b>	1/2" BSP	12CC	80	230	<b>156,16</b>
<b>VCC10NC24CC</b>	1/2" BSP	24CC	80	230	<b>143,30</b>
<b>VCC10NC220CA</b>	1/2" BSP	220CA	80	230	<b>163,10</b>
<b>VCC12NC12CC</b>	3/4" BSP	12CC	115	210	<b>357,60</b>
<b>VCC12NC24CC *</b>	3/4" BSP	24CC	115	210	<b>357,60</b>
<b>VCC12NC220AC</b>	3/4" BSP	220AC	115	210	<b>371,09</b>

## Bloque válvula dos vías

Block valve-2 ways

Bloc valve-2 voies



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	€
<b>CVE04C</b>	3/4-16UNF	3/8" BSP	<b>41,40</b>
<b>CVE06C</b>	7/8-14UNF	3/8" BSP	<b>44,36</b>
<b>CVE08C</b>	1"1/16-12UNF	1/2" BSP	<b>70,56</b>
<b>CVE08C1</b>	7/8" - 14UNF	1/2" BSP	<b>44,36</b>
<b>CVE12C</b>	1"1/16-12UNF	3/4" BSP	<b>70,56</b>

La 1a rosca corresponde con la rosca de la válvula y la 2da 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

# Valvulería hidráulica con accionamiento eléctrico

Hydraulic valves with electric drive

Valves hydrauliques avec actionnement électrique

## Bloque válvula tres vías 3/8



Block valve-3 ways 3/8  
Bloc valve-3 voies 3/8

Part nº Referencia	FOR VALVE PARA VÁLVULA	THREAD ROSCA		SIZE TAMAÑO	€
<b>CVE302C</b>	ALVEAR	M22x1,5	3/8" BSP	6	<b>56,32</b>
<b>CVE304C</b>	VECO08	3/4" UNF	3/8" BSP	8	<b>44,52</b>
<b>CVE308C</b>	VECO10	7/8" UNF	3/8" BSP	10	<b>50,29</b>

La 1a rosca corresponde con la rosca de la válvula y la 2da 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

## Bloque válvula tres vías 3/8



Block valve-3 ways 3/8  
Bloc valve-3 voies 3/8

Part nº Referencia	FOR VALVE PARA VÁLVULA	THREAD ROSCA	SIZE TAMAÑO	€
<b>CVE306C</b>	VECO12	1"1/16 UNF-1/2"	3/8" BSP	<b>96,21</b>

La 1a rosca corresponde con la rosca de la válvula y la 2da 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

## Bloque válvula cuatro vías



Block valve-4 ways  
Bloc valve-4 voies

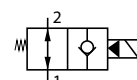
Part nº Referencia	FOR VALVE PARA VÁLVULA	THREAD ROSCA		SIZE TAMAÑO	€
<b>CVE404C</b>	VEFL08	3/4" UNF	1/4" BSP	8	<b>69,87</b>
<b>CVE408C</b>	VEFL10,VEDE10,VECM10	7/8" UNF	3/8" BSP	10	<b>62,66</b>

La 1a rosca corresponde con la rosca de la válvula y la 2da 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

## Válvulas de acc. eléctrico insertable normalmente abierta

Electrical action.inserted valve normally open

Valves d'actionem.électrique inserée normalement ouverte

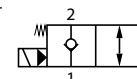


Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VENA08</b>	3/4-16UNF	8	35	230	<b>81,23</b>
<b>VENA10</b>	7/8-14UNF	10	80	230	<b>93,50</b>
<b>VENA12</b>	1"1/16-12UNF	12	115	210	<b>232,46</b>

## Válvulas de acc. eléctrico insertable normalmente cerrada

Electrical action.inserted valve normally closed

Valves d'actionem.électrique inserée normalement fermée



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VENC08</b>	3/4-16UNF	8	35	230	<b>60,13</b>
<b>VENC10</b>	7/8-14UNF	10	80	230	<b>69,02</b>
<b>VENC12</b>	1"1/16-12UNF	12	115	210	<b>212,18</b>

# Valvulería hidráulica con accionamiento eléctrico

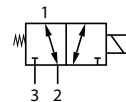
Hydraulic valves with electric drive

Valves hydrauliques avec actionnement électrique

## Válvulas de acc. eléctrico insertable 3 vías

Electrical action.inserted valve 3 ways

Valves d'actionnem. électrique inserée 3 voies

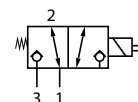


Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VEVE08</b>	3/4-16UNF	8	17	230	<b>72,93</b>
<b>VEVE10</b>	7/8-14UNF	10	28	230	<b>80,56</b>
<b>VEVE12</b>	1"1/16-12UNF	14	60	240	<b>193,63</b>

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

Elect.action.inserted valve 3 ways with check valve

Valves d'actionnem. élect.inserée 3 voies avec antiretour

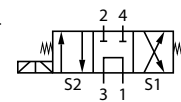


Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>ALVEAR06</b>	M22x1.5	10	25	250	<b>158,63</b>

## Válvulas de acc.eléctrico insertable 4 vías 3 pos.corr.nº2

Elect.action.inserted valve 4 ways 3 pos. spool nº2

Valves d'actionnem. élect.inserée 4 voies 3 pos.tiroir nº2

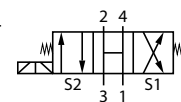


Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VEEM10</b>	7/8-14UNF	10	16	230	<b>141,98</b>

## Válvulas de acc.eléctrico insertable 4 vías 3 pos.corr.nº3

Elect.action.inserted valve 4 ways 3 pos. spool nº3

Valves d'actionnem. élect.inserée 4 voies 3 pos.tiroir nº3

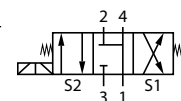


Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VEDE10</b>	7/8-14UNF	10	15	230	<b>141,98</b>

## Válvulas de acc.eléctrico insertable 4 vías 3 pos.corr.nº6

Elect.action.inserted valve 4 ways 3 pos. spool nº6

Valves d'actionnem. élect.inserée 4 voies 3 pos.tiroir nº6



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VEFL08</b>	3/4-16UNF	8	10	230	<b>108,98</b>
<b>VEFL10</b>	7/8-14UNF	10	20	230	<b>133,38</b>

# Valvulería hidráulica con accionamiento eléctrico

Hydraulic valves with electric drive

Valves hydrauliques avec actionnement électrique

## Bobinas

Coils

Bobines



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	PROTECTION (IP) PROTECCIÓN (IP)	€
<b>CB0812DC</b>	8	12VDC	20W	IP65 CLASS H	<b>32,11</b>
<b>CB0824DC</b>	8	24VDC	20W	IP65 CLASS H	<b>25,06</b>
<b>CB08110AC</b>	8	110VAC	20W	IP65 CLASS H	<b>32,11</b>
<b>CB08220AC</b>	8	220VAC	20W	IP65 CLASS H	<b>32,11</b>
<b>CB1012DC</b>	10	12VDC	26W	IP65 CLASS H	<b>38,63</b>
<b>CB1024DC</b>	10	24VDC	26W	IP65 CLASS H	<b>38,63</b>
<b>CB10110AC</b>	10	110VAC	26W	IP65 CLASS H	<b>38,63</b>
<b>CB10220AC</b>	10	220VAC	26W	IP65 CLASS H	<b>38,63</b>
<b>CB1212DC</b>	12	12VDC	16W	IP65 CLASS H	<b>40,35</b>
<b>CB1224DC</b>	12	24 VDC	16W	IP65 CLASS H	<b>40,35</b>
<b>CB12110AC</b>	12	110VAC	30W	IP65 CLASS H	<b>78,11</b>
<b>CB12220AC</b>	12	220VAC	30W	IP65 CLASS H	<b>78,11</b>
<b>CB1412DC</b>	14	12VDC	30W	IP65 CLASS H	<b>53,12</b>
<b>CB1424DC</b>	14	24VDC	30W	IP65 CLASS H	<b>53,12</b>

CB1412DC y CB1424DC válidas solo para VECO12 / CB1412DC y CB1424DC for VECO12 only / CB1412DC y CB1424DC valides seulement pour VECO12

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

**Otros tipos de válvulas, consultar disponibilidad**  
*Other types of valves, please consult availability*

■ **Válvulas de cartucho proporcionales**

*Proportional valves*  
 Valves proportionnelles



■ **Válvulas sobre motor orbital tipo DANFOSS**

*Orbital motor valves DANFOSS type*  
 Valves sur moteur orbital type DANFOSS



■ **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*  
 Élements logiques



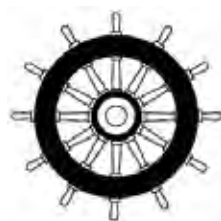
■ **Bobinas**

*Coils*  
 Bobines



# LA CALIDAD SIEMPRE ES LO PRIMERO

QUALITY ALWAYS COMES FIRST



- |  |  |
|--|--|
| <p>✓ Análisis espectrográfico de materiales - Emisión de certificados de materia prima.</p>                | <p>✓ Spectrographic analysis of material - certificate issuance of raw material.</p> |
| <p>✓ Validación de los nuevos diseños de Oficina Técnica.</p>  | <p>✓ Validation of new designs by Technical Department.</p>                          |
| <p>✓ Gestión de reclamaciones de clientes - ensayos en bancos de prueba, control dimensional.</p>          | <p>✓ Handling of customer claims - testing by dimensional control, test benches.</p> |
| <p>✓ Emisión de certificados de prueba (presión, estanqueidad, dureza, resistencia a la corrosión...).</p> | <p>✓ Test certificate issuance (pressure, tightness, hardness, corrosion).</p>       |
| <p>✓ Sistema de gestión de calidad total de productos y servicios prestados.</p>                           | <p>✓ Global system of quality control over the products and services.</p>            |
| <p>✓ Emisión de certificados: EN 10204.</p>  | <p>✓ Certificate issuance: EN 10204.</p>   |



# Distribuidores hidráulicos

*Hydraulic directional control valves*

Distributeurs hydrauliques

## **Distribuidores accionamiento manual**

*Standard hydraulic control valves*

Distributeurs commande manuelle standard

**112**

## **Accesorios**

*Accessories*

Accessoires

**114**

## **Distribuidores componibles y accesorios**

*Sectional hydraulic control valves and accessories*

Distributeurs Modulables et accessoires

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## **Distribuidores para palas**

*Hydraulic Control Valves for Wheeled Loaders*

Distributeurs pour Pelles Mécaniques

**129**





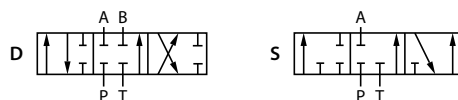
6

# Distribuidores accionamiento manual

Standard hydraulic control valves

Distributeurs commande manuelle standard

Doble efecto / Double acting    Simple efecto / Single acting



## FM35 c/limitadora accionam. manual y retorno por muelle a posición central

FM35+relief valve. Manual operator with spring return to center  
FM35 avec limit. pression. Commande manuelle, action par ressort



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	LEVERS Nº PALANCAS	€
FM35/1 3/8 1P DE	3/8" BSP	35	300	1	138,32
FM35/1 3/8 1P SE	3/8" BSP	35	300	1	138,32
FM35/2 3/8 2P DD	3/8" BSP	35	300	2	221,31
FM35/2 3/8 2P DS	3/8" BSP	35	300	2	221,31
FM35/2 3/8 2P SS	3/8" BSP	35	300	2	221,31
FM35/3 3/8 3P DDD	3/8" BSP	35	300	3	304,30
FM35/3 3/8 3P DDS	3/8" BSP	35	300	3	304,30
FM35/3 3/8 3P DSS	3/8" BSP	35	300	3	304,30
FM35/4 3/8 4P DDDD	3/8" BSP	35	300	4	387,30
FM35/4 3/8 4P DDDS	3/8" BSP	35	300	4	387,30
FM35/4 3/8 4P DDSS	3/8" BSP	35	300	4	387,30
FM35/5 3/8 5P DDDDD	3/8" BSP	35	300	5	470,29
FM35/6 3/8 6P DDDDDD	3/8" BSP	35	300	6	553,28

## FM55 c/limitadora accionam. manual y retorno por muelle a posición central

FM55+relief valve. Manual operator with spring return to center  
FM55 avec limit. pression. Commande manuelle, action par ressort



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	LEVERS Nº PALANCAS	€
FM55/1 1/2 1P DE	1/2" BSP	70	300	1	165,98
FM55/1 1/2 1P SE	1/2" BSP	70	300	1	165,98
FM55/2 1/2 2P DD	1/2" BSP	70	300	2	255,89
FM55/2 1/2 2P DS	1/2" BSP	70	300	2	255,89
FM55/3 1/2 3P DDD	1/2" BSP	70	300	3	345,80
FM55/3 1/2 3P DDS	1/2" BSP	70	300	3	345,80
FM55/3 1/2 3P DSS	1/2" BSP	70	300	3	345,80
FM55/4 1/2 4P DDDD	1/2" BSP	70	300	4	435,71
FM55/4 1/2 4P DDDS	1/2" BSP	70	300	4	435,71
FM55/4 1/2 4P DDSS	1/2" BSP	70	300	4	435,71
FM55/5 1/2 5P DDDDD	1/2" BSP	70	300	5	525,62
FM55/6 1/2 6P DDDDDD	1/2" BSP	70	300	6	615,52

## FM85 c/limitadora accionam. manual y retorno por muelle a posición central

FM85+relief valve. Manual operator with spring return to center  
FM85 avec limit. pression. Commande manuelle, action par ressort



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	LEVERS Nº PALANCAS	€
FM85/1 3/4 1P D.E.	3/4" BSP	130	320	1	248,98
FM85/1 3/4 1P S.E.	3/4" BSP	130	320	1	248,98
FM85/2 3/4 2P DD	3/4" BSP	130	320	2	352,72
FM85/2 3/4 2P DS	3/4" BSP	130	320	2	352,72
FM85/3 3/4 3P DDD	3/4" BSP	130	320	3	456,46
FM85/3 3/4 3P DDS	3/4" BSP	130	320	3	456,46

# Distribuidores accionamiento manual

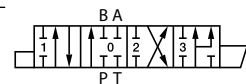
Standard hydraulic control valves

Distributeurs commande manuelle standard

## Modelo BM 45 (45l/min) cort.leña.



BM 45 type (45 l/min) - Wood cutter  
Type BM45 (45 l/min) - Fendeuse à bois



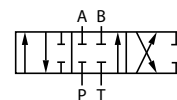
Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	LEVERS Nº PALANCAS	€
<b>BM45/1 CORT LENA</b>	1/2" BSP	45	250	1	<b>169,94</b>

Corredera 4 vías, 4 posiciones, tipo regenerativa / Spool 4 ways, 4 positions, regenerative type / Tiroir 4 voies, 4 positions, type regenerative

## Distribuidor rotativo corredera D.E. YFM



Rotating control valve with D.A.spool YFM  
Distributeurs rotatifs tiroir D.E. YFM



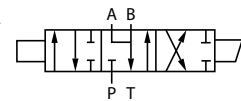
Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>YFM45/1 1/2 DE ROT</b>	1/2" BSP	45	300	<b>237,12</b>
<b>YFM70/1 1/2 DE ROT</b>	1/2" BSP	65	300	<b>322,09</b>
<b>YFM100/1 3/4 DE ROT</b>	3/4" BSP	90	300	<b>434,72</b>
<b>YFM150/1 3/4 DE ROT</b>	3/4" BSP	140	300	<b>533,52</b>

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

## Distribuidor rotativo corredera motor YFM



Rotating control valve motor spool YFM  
Distributeurs rotatifs tiroir moteur YFM

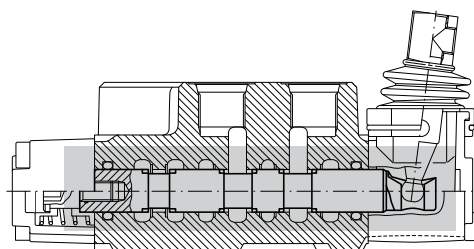


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>YFM45/1 1/2 M ROT</b>	1/2" BSP	45	300	<b>237,12</b>
<b>YFM70/1 1/2 M ROT</b>	1/2" BSP	65	300	<b>322,09</b>
<b>YFM100/1 3/4 M ROT</b>	3/4" BSP	90	300	<b>434,72</b>
<b>YFM150/1 3/4 M ROT</b>	3/4" BSP	140	300	<b>533,52</b>

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

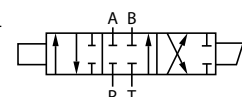
# Accesorios

Spare parts  
Accessoires



## Corredera D.E. 4 vías/3 posiciones

4-way / 3-position spool D.A.  
Tirroirs D.E. 4 voies / 3 positions

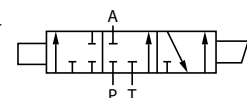


Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>560429</b>	FM35	<b>23,63</b>
<b>560096</b>	FM55 / BM30 / BM40	<b>51,02</b>
<b>560136</b>	FM85 / BM70	<b>56,80</b>
<b>560206 *</b>	BM150	<b>142,71</b>

\*Hasta fin de existencias. / \*Until end of stock. / \*Jusqu' à fin du stock.

## Corredera S.E. 3 vías/3 posiciones

3-way / 3-position spool S.A.  
Tirroirs S.E. 3 voies / 3 positions

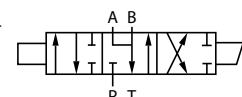


Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>560430</b>	FM35	<b>22,72</b>
<b>560097</b>	FM55 / BM30 / BM40	<b>28,26</b>
<b>560137</b>	FM85 / BM70	<b>37,74</b>
<b>560350 *</b>	BM150	<b>94,53</b>

\*Hasta fin de existencias. / \*Until end of stock. / \*Jusqu' à fin du stock.

## Corredera motor

4-way / 3-position free flow spool  
Tirroirs moteur

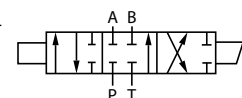


Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>560431</b>	FM35	<b>22,72</b>
<b>560099</b>	FM55 / BM30 / BM40	<b>28,65</b>
<b>560139</b>	FM85 / BM70	<b>37,74</b>
<b>560175 *</b>	BM150	<b>94,53</b>

\*Hasta fin de existencias. / \*Until end of stock. / \*Jusqu' à fin du stock.

## Corredera para joystick D.E.

Spool for joystick D.E.  
Tirroir pour joystick D.E.



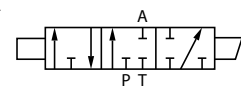
Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>560111</b>	FM55 / BM40 D.E.	<b>33,20</b>

# Accesorios

Spare parts  
Accessoires

## Corredera para joystick S.E.

Spool for joystick S.E.  
Tirroir pour joystick S.E.



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>560112</b>	FM55 / BM40 S.E.	<b>49,32</b>

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

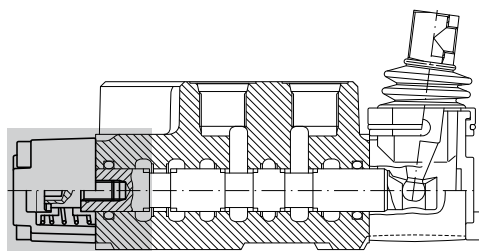
Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

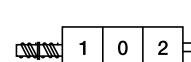
# Accesorios

Spare parts  
Accessoires



## Accionamiento tipo 1 retorno muelle 3 pos

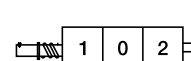
Spool control type 1 - 3 pos.  
Actionnement type 1 - retour par ressort 3 pos.



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802049</b>	FM35	<b>8,92</b>
<b>802001</b>	FM55 / BM30 / BM40	<b>7,81</b>
<b>802015</b>	FM85 / BM70	<b>29,77</b>

## Enclavamiento tipo 2 - enclavado 1 pos.

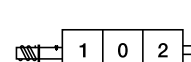
Spool control type 2 - 1 pos.  
Crantage type 2 - cranté 1 pos.



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802051</b>	FM35	<b>23,71</b>
<b>802002</b>	FM55 / BM30 / BM40	<b>46,68</b>
<b>802016</b>	FM85 / BM70	<b>34,78</b>

## Enclavamiento tipo 3 - enclavado 1 pos.

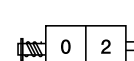
Spool control type 3 - 1 pos.  
Crantage type 3 - cranté 1 pos.



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802052</b>	FM35	<b>23,71</b>
<b>802003</b>	FM55 / BM30 / BM40	<b>32,47</b>
<b>802017</b>	FM85 / BM70	<b>52,17</b>

## Accionamiento tipo 4 - 2 posiciones

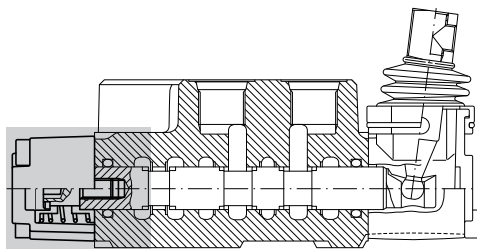
Spool control type 4 - 2 pos.  
Actionnement type 4 - 2 pos.



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802057</b>	FM35	<b>14,39</b>
<b>802004</b>	FM55 / BM30 / BM40	<b>16,03</b>
<b>802018</b>	FM85 / BM70	<b>19,52</b>

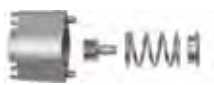
# Accesorios

Spare parts  
Accessoires



## Accionamiento tipo 5 - 2 posiciones

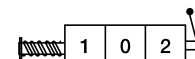
Spool control type 5 - 2 pos.  
Actionnement type 5 - 2 pos.



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802058</b>	FM35	<b>11,09</b>
<b>802005</b>	FM55 / BM30 / BM40	<b>12,65</b>
<b>802019</b>	FM85/BM70	<b>17,78</b>

## Accionamiento tipo 6 - 2 pos. extremas

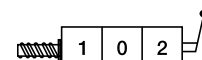
Spool control type 6 - 2 pos.  
Actionnement type 6 - 2 pos. extrêmes



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802059</b>	FM35	<b>13,83</b>
<b>802006</b>	FM55 / BM30 / BM40	<b>10,28</b>
<b>802020</b>	FM85 / BM70	<b>13,36</b>

## Accionamiento tipo 7 - 2 pos. extremas

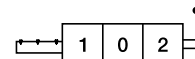
Spool control type 7 - 2 pos.  
Actionnement type 7 - 2 pos. extrêmes



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802060</b>	FM35	<b>13,83</b>
<b>802007</b>	FM55 / BM30 / BM40	<b>15,41</b>
<b>802021</b>	FM85 / BM70	<b>18,97</b>

## Enclavamiento tipo 8 - enclavado 3 pos.

Spool control type 8 - 3 pos.  
Crantage type 8 - cranté 3 pos.

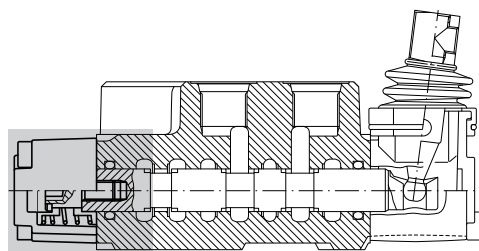


Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802050</b>	FM35	<b>21,72</b>
<b>802008</b>	FM55 / BM30 / BM40	<b>23,32</b>
<b>802022</b>	FM85 / BM70	<b>26,87</b>
<b>560295 *</b>	BM150	<b>31,58</b>

\*Hasta fin de existencias. / \*Until end of stock. / \*Jusqu'à fin du stock.

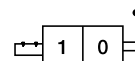
# Accesorios

Spare parts  
Accessoires



## Enclavamiento tipo 9 - 2 pos.

Spool control type 9 - 2 pos.  
Crantage type 9 - cranté 2 pos.

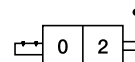


Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802085</b>	FM35	<b>25,89</b>
<b>802009</b>	FM55 / BM30 / BM40	<b>23,63</b>
<b>560283</b>	FM85 / BM70	<b>59,04</b>
<b>560296 *</b>	BM150	<b>59,04</b>

\*Hasta fin de existencias. / \*Until end of stock. / \*Jusqu'à fin du stock.

## Enclavamiento tipo 10 - 2 pos.

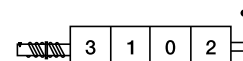
Spool control type 10 - 2 pos.  
Crantage type 10 - cranté 2 pos.



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802086</b>	FM35	<b>23,71</b>
<b>802010</b>	FM55 / BM30 / BM40	<b>20,55</b>
<b>802024</b>	FM85 / BM70	<b>20,55</b>

## Enclavamiento tipo 16 - 4ª pos. flotante

Spool control type 16 - 4 pos.  
Crantage type 16 - 4ª pos. flottante

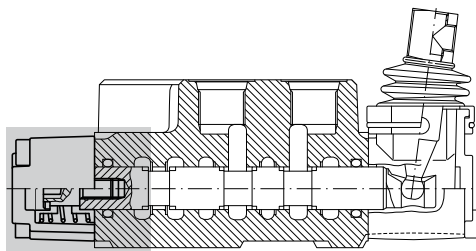


Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802061</b>	FM35	<b>61,65</b>
<b>802099</b>	FM55 / BM30 / BM40	<b>94,53</b>



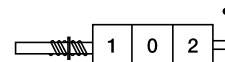
# Accesorios

Spare parts  
Accessoires



## Enclavamiento tipo 1DC - 3 pos. para leva

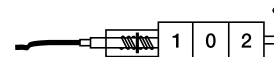
Spool control type 1DC - 3 pos.  
Crantage type 1DC - 3 pos. pour levier



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802109</b>	FM35	<b>41,89</b>
<b>802076</b>	FM55 / BM30 / BM40	<b>70,35</b>
<b>802097</b>	FM85 / BM70	<b>90,62</b>

## Enclavamiento tipo 1F -3 pos. para sirga

Spool control type 1F - 3 pos.  
Crantage type 1F - 3 pos. pour cable



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802132</b>	FM35	<b>53,35</b>
<b>802070</b>	FM55 / BM30 / BM40	<b>80,03</b>
<b>802096</b>	FM85 / BM70	<b>68,57</b>

## Accionamiento neumático tipo 1P - 3 pos.

Pneumatic control type 1P-3 pos.  
Actionnement pneumatique type 1P - 3 pos.



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802064</b>	FM55 / BM30 / BM40	<b>246,61</b>
<b>802065</b>	FM85 / BM70	<b>217,04</b>
<b>802069 *</b>	BM150	<b>195,23</b>

\*Hasta fin de existencias. / \*Until end of stock. / \*Jusqu'à fin du stock.

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

# Accesorios

Spare parts  
Accessoires

## Microrruptor D.E.

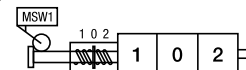
Microswitch control D.A.  
Microrrupteur D.E.



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802053</b>	FM55 / BM30 / BM40	<b>70,95</b>
<b>802074</b>	FM85 / BM70	<b>71,93</b>

## Microrruptor S.E. - corredera V

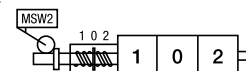
Microswitch control S.A spool V  
Microrrupteur S.E. tiroir V



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802093</b>	FM55 / BM30 / BM40	<b>65,76</b>
<b>802095</b>	FM85 / BM70	<b>71,93</b>

## Microrruptor S.E. - corredera S

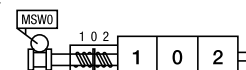
Microswitch control S.A. spool S  
Microrrupteur S.E. tiroir S



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802054</b>	FM55 / BM30 / BM40	<b>65,76</b>

## Microrruptor D.E. protección agua

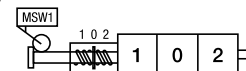
Microswitch control D.A. water protection  
Microrrupteur D.E. protection d'eau



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802173</b>	FM35	<b>115,60</b>
<b>802176</b>	FM55 / BM30 / BM40	<b>135,63</b>

## Microrruptor S.E. cor. V -protección agua

Microswitch S.A. spool V-water protection  
Microrrupteur S.E. tiroir V - protection d'eau



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802174</b>	FM35	<b>113,03</b>
<b>802177</b>	FM55 / BM30 / BM40	<b>135,63</b>

# Accesorios

Spare parts  
Accessoires

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

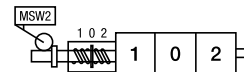
Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

## Microrruptor S.E. cor. S -protección agua

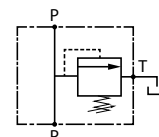
Microswitch control S.A. spool S-water protection  
Microrrupteur S.E. tiroir S - protection d'eau



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>802175</b>	FM35	<b>108,68</b>
<b>802178</b>	FM55 / BM30 / BM40	<b>135,63</b>

## Válvula limitadora

Relief valve  
Limiteurs de pression



Part nº Referencia	REG. RATE (bar) CAMPO REG. (bar)	CONTROL VALVE DISTRIBUIDOR	€
<b>803057</b>	10 - 90	FM35	<b>41,10</b>
<b>803058</b>	100 - 250	FM35	<b>44,35</b>
<b>803061</b>	100 - 250	FM55 / BM30 / BM40	<b>56,54</b>
<b>803064</b>	100 - 250	FM85 / BM70	<b>63,71</b>

## Muelles para válvula limitadora

Springs for relief valve  
Ressort pour limiteur



Part nº Referencia	REG. RATE (bar) CAMPO REG. (bar)	CONTROL VALVE DISTRIBUIDOR	€
<b>200068</b>	100 - 250	FM55/ BM30 / BM40	<b>3,08</b>
<b>200071</b>	10 - 90	FM55 / BM30 / BM40	<b>3,33</b>
<b>200073</b>	150 - 300	FM55 / BM30 / BM40	<b>3,08</b>

## Tapón para anulación válvula limitadora

Plug for relief valve  
Bouchon pour annulation limiteur



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>832018</b>	FM35	<b>18,69</b>
<b>832010</b>	FM55 / BM30 / BM40	<b>18,50</b>
<b>832012</b>	FM85 / BM70	<b>28,04</b>
<b>832011 *</b>	BM150	<b>20,55</b>

\*Hasta fin de existencias. / \*Until end of stock. / \*Jusqu'à fin du stock.

## Racor de continuación de presión

Carry over  
Raccord centre à suivre



Part nº Referencia	THREAD ROSCA	CONTROL VALVE DISTRIBUIDOR	€
<b>832019</b>	3/8" BSP	FM35	<b>17,78</b>
<b>832004</b>	1/2" BSP	FM55 / BM30 / BM40	<b>19,78</b>
<b>832015</b>	3/4" BSP	FM85 / BM70	<b>27,66</b>
<b>832016 *</b>	1" BSP	BM150	<b>28,77</b>

\*Hasta fin de existencias. / \*Until end of stock. / \*Jusqu'à fin du stock.

## Accesorios

Spare parts  
Accessoires

### Tapón centro cerrado



*Closed center plug*  
Bouchon pour centre fermé

Part nº Referencia	THREAD ROSCA	CONTROL VALVE DISTRIBUIDOR	€
<b>832017</b>	3/8" BSP	FM35	<b>14,39</b>
<b>832007</b>	1/2" BSP	FM55 / BM30 / BM40	<b>15,81</b>
<b>832013</b>	3/4" BSP	FM85 / BM70	<b>20,55</b>
<b>832014 *</b>	1" BSP	BM150	<b>20,55</b>

\*Hasta fin de existencias. / \*Until end of stock. / \*Jusqu'à fin du stock.

### Soporte palanca (sin palanca)



*Manual operator without lever*  
Support levier (sans levier)

Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>801025</b>	FM35	<b>15,22</b>
<b>801035</b>	FM55 / BM30 / BM40	<b>17,11</b>
<b>801036</b>	FM85 / BM70 / BM150	<b>18,30</b>

### Palanca (sin accionamiento)



*Lever*  
Lever (sans actionnement)

Part nº Referencia	THREAD ROSCA	CONTROL VALVE DISTRIBUIDOR	€
<b>560025</b>	M8	FM35	<b>2,57</b>
<b>560026</b>	M8	FM55 / BM30 / BM40	<b>2,68</b>
<b>560027</b>	M10	FM85	<b>3,56</b>

### Joystick sobre distribuidor para 2 correderas



*Joystick*  
Joystick pour 2 tiroirs - montage sur distrib.

Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>801120</b>	FM55 / BM30 / BM40	<b>236,33</b>
<b>801021</b>	FM85 / BM70	<b>208,21</b>

### Monomando para sirga - 1 corredera



*Manual remote control - 1 spool*  
Manipulateur pour cable - 1 tiroir

Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>023040</b>	TODOS	<b>50,78</b>

# Accesorios

Spare parts  
Accessoires



## Monomando para sirga con bloqueo - 1 corredera

Manual remote control with block - 1 spool  
Manipulateur pour cable avec blocage - 1 tiroir

Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>023039</b>	TODOS/ALL	<b>58,69</b>

## Joystick para 2 sirgas - 2 correderas

Joystick remote control  
Joystick pour 2 cables - 2 tiroirs



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>023023</b>	Todos/All	<b>148,99</b>
<b>MJ300</b>	Todos/All	<b>183,77</b>
<b>MJ400</b>	Todos/All	<b>204,99</b>
<b>ID3370</b>	Todos/All	<b>161,20</b>

## Sirga para distribuidores

Cable for hydraulic control valves  
Cables pour distributeur



Part nº Referencia	LENGTH (mm) LONGITUD (mm)	€
<b>023041</b>	1000	<b>47,92</b>
<b>023042</b>	1500	<b>48,21</b>
<b>023043</b>	2000	<b>56,64</b>
<b>023044</b>	2500	<b>59,28</b>
<b>023045</b>	3000	<b>63,63</b>
<b>023047</b>	3500	<b>67,58</b>
<b>023048</b>	4000	<b>71,93</b>
<b>023049</b>	4500	<b>76,27</b>
<b>023050</b>	5000	<b>82,78</b>
<b>023051</b>	5500	<b>87,13</b>
<b>023052</b>	6000	<b>88,92</b>

## Kit Montaje cable distribuidor

Cable adaptor  
Kit d'adaptation pour câble



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>212059 *</b>	Walvoil SD 8	*
<b>212076</b>	Nimco CV452	<b>29,64</b>
<b>601022</b>	Hydrocontrol HCD2	<b>15,02</b>
<b>801022</b>	FM35	<b>43,16</b>
<b>801023</b>	FM55 / BM30 / BM40	<b>15,02</b>
<b>801024</b>	FM85 / BM70	<b>65,21</b>
<b>801050 *</b>	BM150	<b>65,76</b>
<b>KITSIRGA102</b>	ROQUET TIPO 102/1102 N1670/697	*
<b>KITSIRGA402</b>	ROQUET TIPO 402	*
<b>KITSIRGA406</b>	ROQUET TIPO 406 N6412/407	*

\*Hasta fin de existencias. / \*Until end of stock. / \*Jusqu'à fin du stock.

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power pads

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

# Accionamientos a Distancia

Remote Controls  
Commandes à Distance



## Empuñaduras Ergonomic Joysticks Poignées Ergonomiques

Los mandos pueden equiparse con las empuñaduras de accionamiento eléctrico que se desee (consultar).

The controls could be equipped with electric operator joysticks (on request).

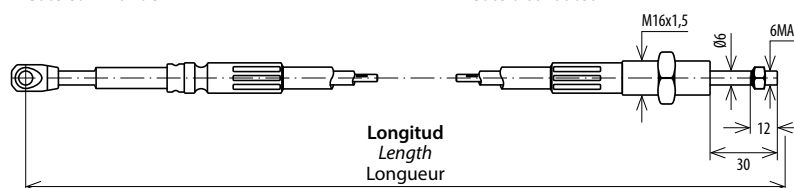
Les commandes peuvent s'équiper avec poignées de commande électrique (sur demande).



## Sirgas para Distribuidores Cables for Hydraulic Control Valves Câbles pour Distributeur

Lado monomando  
Control side  
Côté commande

Lado distribuidor  
Control valve side  
Côté distributeur



Este enganche sirve para todos nuestros monomandos y joysticks  
It is used for all our controls and joysticks  
S'utilise pour toutes nos commandes et poignées

Referencia Part n° Référence	Descripción Description Description
023041	Sirga 1.000 mm
023042	Sirga 1.500 mm
023043	Sirga 2.000 mm
023044	Sirga 2.500 mm
023045	Sirga 3.000 mm
023047	Sirga 3.500 mm
023048	Sirga 4.000 mm
023049	Sirga 4.500 mm
023050	Sirga 5.000 mm
023051	Sirga 5.500 mm
023052	Sirga 6.000 mm

## Kit montaje cable distribuidor Cable adapter Adapteur pour cable

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.

Avec ces kits, de montage facile, vous pouvez utiliser nos câbles avec tous les distributeurs du marché.

Ver p. 123 / See p. 123 / Voir p.123.



# Distribuidores Componibles

Sectional hydraulic control valves  
Distributeurs Modulables

## Modelo HCD4, accionam. manual palanca y retorno por muelle a posición central.Limit. presión+palanca



HCD4 type. Manual operator with lever and spring return to center. Relief valve+lever  
Type HCD4. Commande manuelle, action par ressort avec limiteur de pression +levier

Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	LEVERS Nº PALANCAS	€
<b>HCD4/1 DE</b>	1/2"	80	350	1	<b>398,80</b>
<b>HCD4/2 DD</b>	1/2"	80	350	2	<b>585,45</b>
<b>HCD4/2 DS</b>	1/2"	80	350	2	<b>585,45</b>
<b>HCD4/3 DDD</b>	1/2"	80	350	3	<b>749,22</b>
<b>HCD4/3 DDS</b>	1/2"	80	350	3	<b>749,22</b>

## Cuerpo distribuidor HCD4 (sin palanca)



HCD4 Control valve block (without lever)  
Corps distributeur HCD4 (sans levier)

Part nº Referencia	THREAD ROSCA	€
<b>CUERPO HCD4 DE</b>	1/2"BSP	<b>181,37</b>
<b>CUERPO HCD4 SE</b>	1/2"BSP	<b>181,36</b>

## Cuerpo de entrada HCD4



HCD4 entrance section  
Corps d'entrée HCD4

Part nº Referencia	THREAD ROSCA	€
<b>HCD4-CV</b>	1/2"BSP	<b>106,07</b>

## Cuerpo de salida HCD4



HCD4 exit section  
Corps de sortie HCD4

Part nº Referencia	THREAD ROSCA	€
<b>HCD4-CF</b>	1/2"BSP	<b>95,13</b>

## Palanca HCD4



HCD4 lever  
Levier HCD4

Part nº Referencia	THREAD ROSCA	€
<b>HC-D4</b>	M10	<b>8,62</b>

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

# Distribuidores Componibles

Sectional hydraulic control valves  
Distributeurs Modulables

## Modelo HCD6, accionam. manual palanca y retorno por muelle a posición central.Limit. presión+palanca



HCD6 type. Manual operator with lever and spring return to center. Relief valve+lever

Type HCD6. Commande manuelle, action par ressort avec limiteur de pression +levier

Part nº Referencia	THREAD ROSCA		MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	LEVERS Nº PALANCAS	€
<b>HCD6/1 DE</b>	1/2"BSP	3/4"BSP	100	350	1	<b>487,16</b>
<b>HCD6/2 DD</b>	1/2"BSP	3/4"BSP	100	350	2	<b>704,68</b>
<b>HCD6/4 DDDD</b>	1/2"BSP	3/4"BSP	100	350	4	<b>1.231,33</b>

## Cuerpo HCD6 (sin palanca)

Distributors HCD6 (without lever)

Corp distributeur HCD6 (sans levier)



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>CUERPO HCD6 DE</b>	1/2" BSP	Cuerpo	<b>260,16</b>
<b>CUERPO HCD6 SE</b>	1/2" BSP	Cuerpo	<b>260,14</b>

## Cuerpo de entrada HCD6

HCD6 entrance section

Corps d'entrée HCD6



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>HCD6-CV</b>	1/2" BSP	Cuerpo de entrada	<b>126,62</b>

## Cuerpo de salida HCD6

HCD6 exit section

Corps de sortie HCD6



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>HCD6-CF</b>	3/4" BSP	Cuerpo de salida	<b>65,01</b>

## Palanca HCD6

Lever HCD6

Lever HCD6



Part nº Referencia	THREAD ROSCA	€
<b>HC-D6</b>	M10	<b>10,59</b>



# Distribuidores Componibles

Sectional hydraulic control valves  
Distributeurs Modulables

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

## HCD3M accionam.eléctrico y retorno muelle a posición central.Limit.presión

HCD3M electric operator with lever and spring return to center. Relief valve  
HCD3M, commande électrique, action par ressort.Limiteur de pression



Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	BODIES NR. Nº CUERPOS	€
HCD3M/1 DE 12VDC	1/2"BSP	12 VDC	55	350	1	<b>495,78</b>
HCD3M/1 DE 24VDC	1/2"BSP	24 VDC	55	350	1	<b>513,29</b>
HCD3M/1 SE 12VDC	1/2"BSP	12 VDC	55	350	1	<b>513,29</b>
HCD3M/1 SE 24VDC	1/2"BSP	24 VDC	55	350	1	<b>524,94</b>
HCD3M/2 DD 12VDC	1/2"BSP	12 VDC	55	350	2	<b>824,15</b>
HCD3M/2 DD 24VDC	1/2"BSP	24 VDC	55	350	2	<b>862,48</b>
HCD3M/2 DS 12VDC	1/2"BSP	12 VDC	55	350	2	<b>862,48</b>
HCD3M/2 DS 24VDC	1/2"BSP	24 VDC	55	350	2	<b>862,48</b>
HCD3M/3 DDD 12VDC	1/2 BSP	12 VDC	55	350	3	<b>1.200,03</b>
HCD3M/3 DDD 24VDC	1/2 BSP	24 VDC	55	350	3	<b>1.200,03</b>
HCD3M/3 DDS 12VDC	1/2 BSP	12 VDC	55	350	3	<b>1.160,03</b>
HCD3M/3 DDS 24VDC	1/2 BSP	24 VDC	55	350	3	<b>1.200,03</b>
HCD3M/4 DDDD12VDC	1/2"BSP	12 VDC	55	350	4	<b>1.473,19</b>
HCD3M/4 DDDD24VDC	1/2"BSP	24 VDC	55	350	4	<b>1.537,57</b>

## Cuerpo distribuidor HCD 3M

HCD 3M sectional control valves  
Corps distributeur HCD 3M



Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	€
CUERPO HCD3M DE 12VDC	1/2"BSP	12 VDC	<b>337,54</b>
CUERPO HCD3M DE 24VDC	1/2"BSP	24 VDC	<b>333,79</b>
CUERPO HCD3M SE 12VDC	1/2"BSP	12 VDC	<b>337,54</b>
CUERPO HCD3M SE 24VDC	1/2"BSP	24 VDC	<b>337,54</b>

## Cuerpo de entrada HCD 3M

HCD3M entrance section  
Corps d'entrée HCD 3M



Part nº Referencia	THREAD ROSCA	€
HCD3M-CV	1/2"BSP	<b>126,62</b>

## Cuerpo de salida HCD 3M

HCD3M exit section  
Corps de sortie HCD 3M



Part nº Referencia	THREAD ROSCA	€
HCD3M-CF	1/2"BSP	<b>65,01</b>

# Distribuidores Componibles

Sectional hydraulic control valves  
Distributeurs Modulables

## Bobinas distribuidor HCD 3M



Coils for HCD3M control valves  
Bobines distributeur HCD 3M

Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	€
<b>BOBHCD3M-12CC</b>	12 VDC	<b>81,89</b>
<b>BOBHCD3M-24CC</b>	24 VDC	<b>81,89</b>

## Accesorios para distribuidores



Distributors parts  
Accesorios pour distributeurs

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	CONTROL VALVE DISTRIBUIDOR	€
<b>JAHCD4</b>	Juego Anclaje 3 posiciones	HC-D4	<b>124,05</b>
<b>JAHCD6</b>	Juego Anclaje 3 posiciones	HC-D6	<b>136,46</b>
<b>RCPHCD4/D6</b>	Racor Continuación de Presión	HC-D3 / D4 / D6	<b>4,27</b>

# Distribuidores para palas

Hydraulic control valves for wheeled loaders  
Distributeurs pour pelles mécaniques

## Distribuidor monobloque 2 cuerpos CV152B (70 l/min)



Hydraulic control valve 2 sections CV152B  
Distributeurs monobloc 2 corps CV152B

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>CV152 B</b>	Distribuidor monobloque de 2 cuerpos con Open Center	*

## Distribuidor monobloque 2 cuerpos CV452 (110 l/min)



Hydraulic control valve 2 sections CV452  
Distributeurs monobloc 2 corps CV452

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>CV452 B</b>	Open Center	*
<b>CV452 LS</b>	Load Sensing	*

## Racores de continuación



Extension fitting  
Raccord de continuité

Part nº Referencia	THREAD ROSCA	€
<b>10534-4S</b>	1/2" BSP	*
<b>4S-4031</b>	3/4" BSP	*

## Accionamiento tipo 9



Spool control type 9  
Actionnement type 9

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>4S-6057</b>	Accionamiento tipo 9	*

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

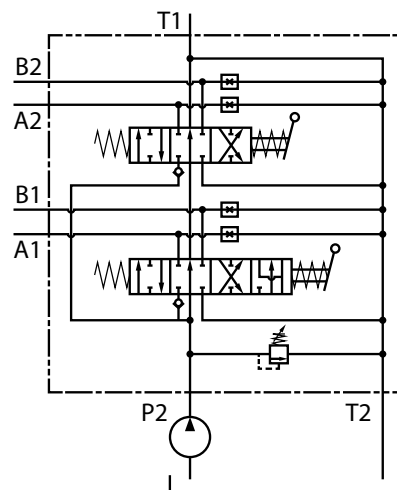
Hydraulic cylinders

## DISTRIBUIDORES PARA PALAS

### HYDRAULIC CONTROL VALVES FOR WHEELED LOADERS

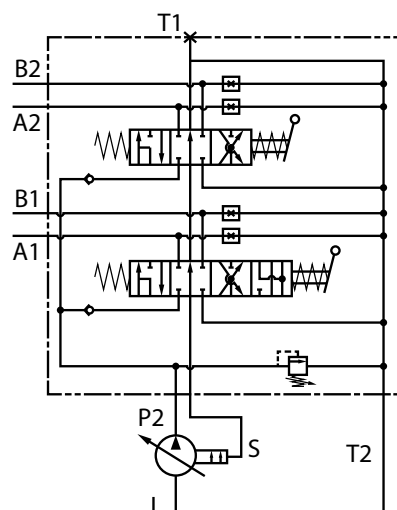
#### ■ Centro abierto CV452B, CV152B

*Open center CV452B, CV152B*



#### ■ Detección de carga CV452LS

*Load Sensing CV452LS*



Para cualquier otro modelo, consultar.

*For any other type, consult us.*

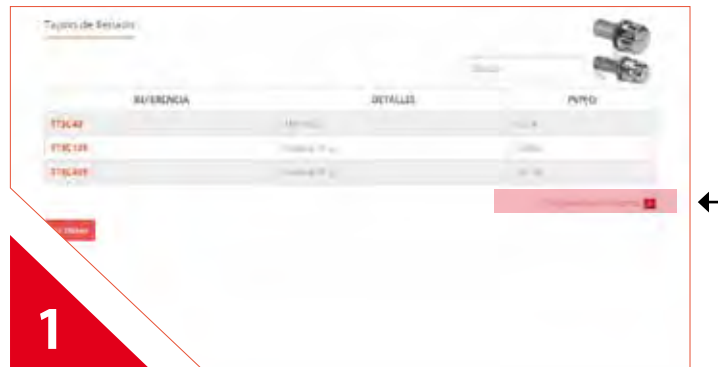
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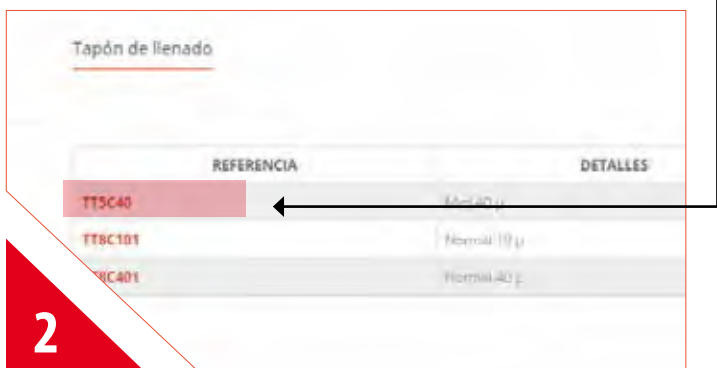
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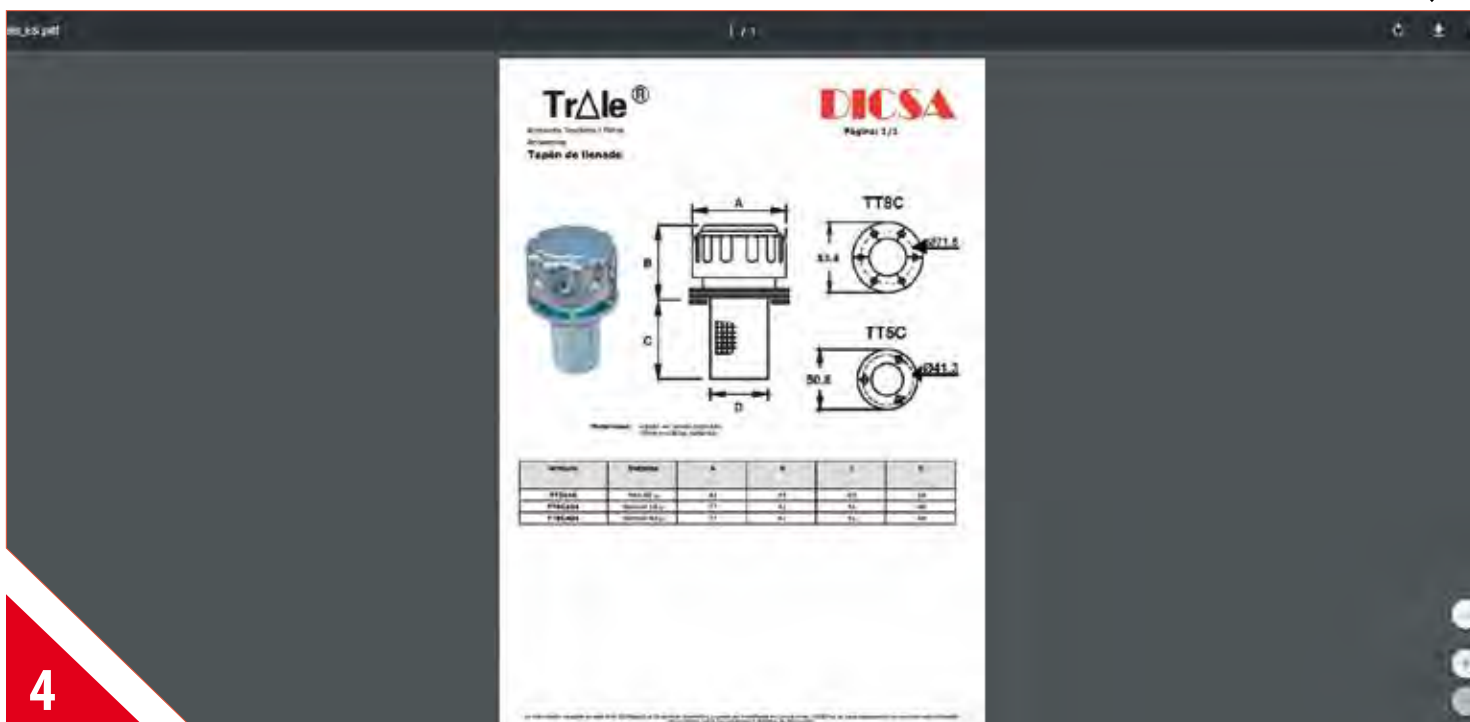
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Se abrirá un archivo PDF con los datos técnicos que podrá guardar en su ordenador.  
 A PDF file will appear with the technical data, which can be saved in your computer.



# Electroválvulas y placas base

*Directional valves and subplates*

*Électro-distributeurs et Embases*

## **Electroválvulas NG6 - Cetop 3**

*NG6 directional valves - Cetop 3*

*Electro-distributeurs NG6 - Cetop 3*

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## **Electroválvulas NG10 - Cetop 5**

*NG10 directional valves - Cetop 5*

*Electro-distributeurs NG10 - Cetop 5*

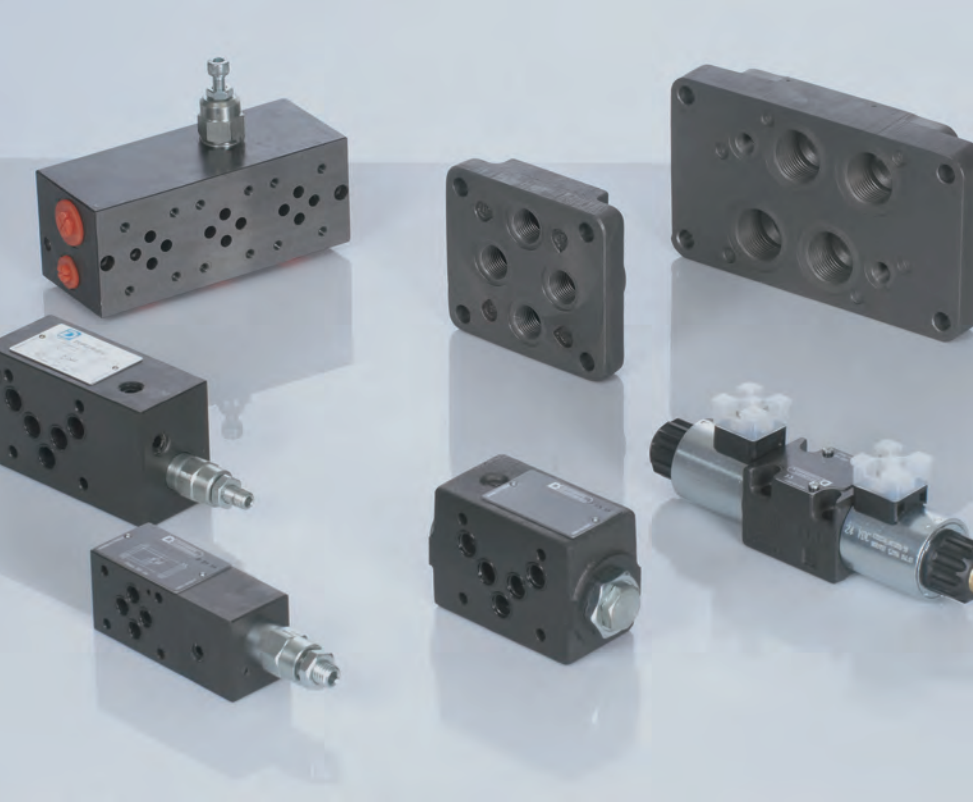
**143**

## **Conectores eléctricos**

*Electric connectors*

*Connecteurs électriques*

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# Electroválvulas NG6 - Cetop 3

Directional valves for NG6 - Cetop 3  
Electro-distributeurs NG6 - Cetop 3

## Electro. NG6 - corredera S1

Directional valve NG6 - spool S1  
Electro. NG6 - tiroir S1



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-S1/10N-A110-50K1</b>	NG-6	110 VAC	60	350	<b>218,72</b>
<b>DS3-S1/10N-A230-50K1</b>	NG-6	230 VAC	60	350	<b>218,72</b>
<b>DS3-S1/10N-A24-50K1</b>	NG-6	24 VAC	60	350	<b>218,72</b>
<b>DS3-S1/10N-A48-50K1</b>	NG-6	48 VAC	60	350	<b>243,84</b>
<b>DS3-S1/10N-D12K1</b>	NG-6	12 VDC	60	350	<b>218,72</b>
<b>DS3-S1/10N-D24K1</b>	NG-6	24 VDC	60	350	<b>218,72</b>
<b>DS3-S1/10N-D48K1</b>	NG-6	48 VDC	60	350	<b>243,84</b>

## Electro. NG6 - corredera S2

Directional valve NG6 - spool S2  
Electro. NG6 - tiroir S2



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-S2/10N-A110-50K1</b>	NG-6	110 VAC	60	350	<b>218,72</b>
<b>DS3-S2/10N-A230-50K1</b>	NG-6	230 VAC	60	350	<b>218,72</b>
<b>DS3-S2/10N-A24-50K1</b>	NG-6	24 VAC	60	350	<b>218,72</b>
<b>DS3-S2/10N-A48-50K1</b>	NG-6	48 VAC	60	350	<b>243,84</b>
<b>DS3-S2/10N-D12K1</b>	NG-6	12 VDC	60	350	<b>218,72</b>
<b>DS3-S2/10N-D24K1</b>	NG-6	24 VDC	60	350	<b>218,72</b>
<b>DS3-S2/10N-D48K1</b>	NG-6	48 VDC	60	350	<b>243,84</b>

## Electro. NG6 - corredera S3

Directional valve NG6 - spool S3  
Electro. NG6 - tiroir S3



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-S3/10N-A110-50K1</b>	NG-6	110 VAC	60	350	<b>218,72</b>
<b>DS3-S3/10N-A230-50K1</b>	NG-6	230 VAC	60	350	<b>218,72</b>
<b>DS3-S3/10N-A24-50K1</b>	NG-6	24 VAC	60	350	<b>218,72</b>
<b>DS3-S3/10N-A48-50K1</b>	NG-6	48 VAC	60	350	<b>243,84</b>
<b>DS3-S3/10N-D12K1</b>	NG-6	12 VDC	60	350	<b>218,72</b>
<b>DS3-S3/10N-D24K1</b>	NG-6	24 VDC	60	350	<b>218,72</b>
<b>DS3-S3/10N-D48K1</b>	NG-6	48 VDC	60	350	<b>243,84</b>

## Electro. NG6 - corredera S4

Directional valve NG6 - spool S4  
Electro. NG6 - tiroir S4



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-S4/10N-A110-50K1</b>	NG-6	110 VAC	40	350	<b>243,84</b>
<b>DS3-S4/10N-A230-50K1</b>	NG-6	230 VAC	40	350	<b>243,84</b>
<b>DS3-S4/10N-A24-50K1</b>	NG-6	24 VAC	40	350	<b>243,84</b>
<b>DS3-S4/10N-A48-50K1</b>	NG-6	48 VAC	40	350	<b>268,96</b>
<b>DS3-S4/10N-D12K1</b>	NG-6	12 VDC	40	350	<b>243,84</b>
<b>DS3-S4/10N-D24K1</b>	NG-6	24 VDC	40	350	<b>243,84</b>
<b>DS3-S4/10N-D48K1</b>	NG-6	48 VDC	40	350	<b>268,96</b>



# Electroválvulas NG6 - Cetop 3

Directional valves for NG6 - Cetop 3  
Electro-distributeurs NG6 - Cetop 3

## Electro. NG6 - corredera S8

Directional valve NG6 - spool S8  
Electro.NG6 - tiroir S8



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-S8/10N-A110-50K1</b>	NG-6	110 VAC	50	350	<b>243,84</b>
<b>DS3-S8/10N-A230-50K1</b>	NG-6	230 VAC	50	350	<b>243,84</b>
<b>DS3-S8/10N-A24-50K1</b>	NG-6	24 VAC	50	350	<b>243,84</b>
<b>DS3-S8/10N-A48-50K1</b>	NG-6	48 VAC	50	350	<b>268,96</b>
<b>DS3-S8/10N-D12K1</b>	NG-6	12 VDC	50	350	<b>243,84</b>
<b>DS3-S8/10N-D24K1</b>	NG-6	24 VDC	50	350	<b>243,84</b>
<b>DS3-S8/10N-D48K1</b>	NG-6	48 VDC	50	350	<b>268,96</b>

## Electro. NG6 - corredera TA

Directional valve NG6 - spool TA  
Electro. NG6 - tiroir TA



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-TA/10N-A110-50K1</b>	NG-6	110 VAC	60	350	<b>156,98</b>
<b>DS3-TA/10N-A230-50K1</b>	NG-6	230 VAC	60	350	<b>156,98</b>
<b>DS3-TA/10N-A24-50K1</b>	NG-6	24 VAC	60	350	<b>156,98</b>
<b>DS3-TA/10N-A48-50K1</b>	NG-6	48 VAC	60	350	<b>169,54</b>
<b>DS3-TA/10N-D12K1</b>	NG-6	12 VDC	60	350	<b>156,98</b>
<b>DS3-TA/10N-D24K1</b>	NG-6	24 VDC	60	350	<b>156,98</b>
<b>DS3-TA/10N-D48K1</b>	NG-6	48 VDC	60	350	<b>169,54</b>

## Electro. NG6 - corredera SA2

Directional valve NG6 - spool SA2  
Electro. NG6 - tiroir SA2



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-SA2/10N-A110-50K1</b>	NG-6	110 VAC	60	350	<b>156,98</b>
<b>DS3-SA2/10N-A230-50K1</b>	NG-6	230 VAC	60	350	<b>156,98</b>
<b>DS3-SA2/10N-A24-50K1</b>	NG-6	24 VAC	60	350	<b>156,98</b>
<b>DS3-SA2/10N-A48-50K1</b>	NG-6	48 VAC	60	350	<b>169,54</b>
<b>DS3-SA2/10N-D12K1</b>	NG-6	12 VDC	60	350	<b>156,98</b>
<b>DS3-SA2/10N-D24K1</b>	NG-6	24 VDC	60	350	<b>156,98</b>
<b>DS3-SA2/10N-D48K1</b>	NG-6	48 VDC	60	350	<b>169,54</b>

## Electro. NG6 - corredera SA4

Directional valve NG6 - spool SA4  
Electro. NG6 - tiroir SA4



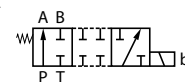
Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-SA4/10N-A230K1</b>	NG-6	230 VAC	40	350	<b>182,09</b>
<b>DS3-SA4/10N-D24K1</b>	NG-6	24 VDC	40	350	<b>182,09</b>

# Electroválvulas NG6 - Cetop 3

Directional valves for NG6 - Cetop 3  
Electro-distributeurs NG6 - Cetop 3

## Electro. NG6 - corredera TB23

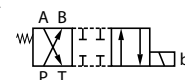
Directional valve NG6 - spool TB23  
Electro. NG6 - tiroir TB23



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-TB23/10N-A110-50K1</b>	NG-6	110 VAC	60	350	<b>165,35</b>
<b>DS3-TB23/10N-A230-50K1</b>	NG-6	230 VAC	60	350	<b>165,35</b>
<b>DS3-TB23/10N-A24-50K1</b>	NG-6	24 VAC	60	350	<b>165,35</b>
<b>DS3-TB23/10N-A48-50K1</b>	NG-6	48 VAC	60	350	<b>177,91</b>
<b>DS3-TB23/10N-D12K1</b>	NG-6	12 VDC	60	350	<b>165,35</b>
<b>DS3-TB23/10N-D24K1</b>	NG-6	24 VDC	60	350	<b>165,35</b>
<b>DS3-TB23/10N-D48K1</b>	NG-6	48 VDC	60	350	<b>177,91</b>

## Electro. NG6 - corredera TB

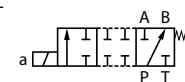
Directional valve NG6 - spool TB  
Electro. NG6 - tiroir TB



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-TB/10N-A110-50K1</b>	NG-6	110 VAC	60	350	<b>156,98</b>
<b>DS3-TB/10N-A230-50K1</b>	NG-6	230 VAC	60	350	<b>156,98</b>
<b>DS3-TB/10N-A24-50K1</b>	NG-6	24 VAC	60	350	<b>156,98</b>
<b>DS3-TB/10N-A48-50K1</b>	NG-6	48 VAC	60	350	<b>169,54</b>
<b>DS3-TB/10N-D12K1</b>	NG-6	12 VDC	60	350	<b>156,98</b>
<b>DS3-TB/10N-D24K1</b>	NG-6	24 VDC	60	350	<b>156,98</b>
<b>DS3-TB/10N-D48K1</b>	NG-6	48 VDC	60	350	<b>169,54</b>

## Electro. NG6 - corredera TA23

Directional valve NG6 - spool TA23  
Electro. NG6 - tiroir TA23



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-TA23/10N-A110-50K1</b>	NG-6	110 VAC	60	350	<b>165,35</b>
<b>DS3-TA23/10N-A230-50K1</b>	NG-6	230 VAC	60	350	<b>165,35</b>
<b>DS3-TA23/10N-A24-50K1</b>	NG-6	24 VAC	60	350	<b>165,35</b>
<b>DS3-TA23/10N-A48-50K1</b>	NG-6	48 VAC	60	350	<b>177,91</b>
<b>DS3-TA23/10N-D12K1</b>	NG-6	12 VDC	60	350	<b>165,35</b>
<b>DS3-TA23/10N-D24K1</b>	NG-6	24 VDC	60	350	<b>165,35</b>
<b>DS3-TA23/10N-D48K1</b>	NG-6	48 VDC	60	350	<b>177,91</b>

## Electro. NG6 corredera RK

Directional valve NG6 - spool RK  
Electro. NG6 - tiroir RK



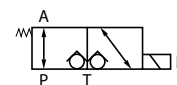
Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS3-RK/10N-A230-50K1</b>	NG-6	220 VAC	60	350	<b>243,84</b>
<b>DS3-RK/10N-D24K1</b>	NG-6	24 VDC	60	350	<b>243,84</b>

# Electroválvulas NG6 - Cetop 3

Directional valves for NG6 - Cetop 3  
Electro-distributeurs NG6 - Cetop 3

## Válvula de retención - corredera 3A

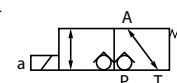
Poppet directional control valve - spool 3A  
Valve de retention - tiroir 3A



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DT03-3A/10-110RAC</b>	NG-6	110 RAC	25	250	<b>629,76</b>
<b>DT03-3A/10-12VCC</b>	NG-6	12 VCC	25	250	<b>629,76</b>
<b>DT03-3A/10-220RAC</b>	NG-6	220 RAC	25	250	<b>629,76</b>
<b>DT03-3A/10-24VCC</b>	NG-6	24 VCC	25	250	<b>629,76</b>

## Válvula de retención - corredera 3C

Poppet directional control valve - spool 3C  
Valve de retention - tiroir 3C



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DT03-3C/10-110RAC</b>	NG-6	110 RAC	25	250	<b>629,76</b>
<b>DT03-3C/10-12VCC</b>	NG-6	12 VCC	25	250	<b>629,76</b>
<b>DT03-3C/10-220RAC</b>	NG-6	220 RAC	25	250	<b>629,76</b>
<b>DT03-3C/10-24VCC</b>	NG-6	24 VCC	25	250	<b>629,76</b>

## Bobinas corriente continua para DS3

DS3 coils (direct current)  
Bobines courant continu pour DS3



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	DIRECT. VALVE ELECTROVÁLVULA	€
<b>C22-D12K1/10</b>	12 VDC	32,7	DS3	<b>31,40</b>
<b>C22-D24K1/10</b>	24 VDC	31	DS3	<b>31,40</b>
<b>C22-D48K1/10</b>	48 VDC	29,5	DS3	<b>43,95</b>

## Bobinas corriente alterna para DS3

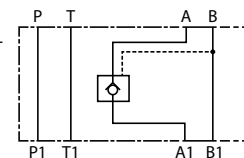
DS3 coils (alternating current)  
Bobines courant alternatif pour DS3



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	DIRECT. VALVE ELECTROVÁLVULA	€
<b>C20.6-A110-50K1/10</b>	110 VAC	192	DS3	<b>31,40</b>
<b>C20.6-A230-50K1/10</b>	230 VAC	176	DS3	<b>31,40</b>
<b>C20.6-A24-50K1/10</b>	24 VAC	192	DS3	<b>31,40</b>
<b>C20.6-A48-50K1/10</b>	48 VAC	204	DS3	<b>43,95</b>

## Válvula antirretorno simple pilotaje interno NG6 -A

Pilot operated simple check valve NG6 -A  
Clapet anti-retour simple pilotage interne NG6 -A



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	POINTS A-B TOMAS A-B	€
<b>MVPP-SA/50</b>	NG-6	350	A	<b>147,09</b>

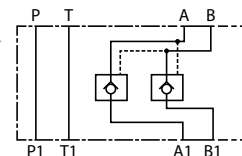
# Electroválvulas NG6 - Cetop 3

Directional valves for NG6 - Cetop 3  
Electro-distributeurs NG6 - Cetop 3



## Válvula antirretorno doble pilotaje interno NG6

Pilot operated double check valve NG6  
Clapet anti-retour double pilotage interne NG6

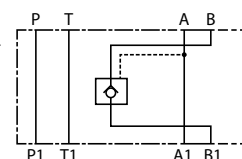


Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	POINTS A-B TOMAS A-B	€
<b>MVPP-D/50</b>	NG-6	350	A - B	<b>157,43</b>



## Válvula antirretorno simple pilotaje interno NG6 -B

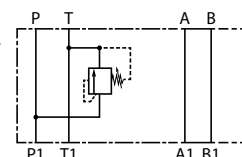
Pilot operated simple check valve NG6 -B  
Clapet anti-retour simple pilotage interne NG6 -B



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	POINTS A-B TOMAS A-B	€
<b>MVPP-SB/50</b>	NG-6	350	B	<b>147,09</b>

## Limit. simple en P - descarga en T

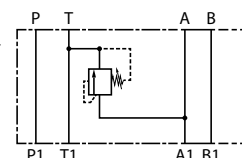
Simple relief valve in P - discharge in T  
Limiteur simple sur P - décharge sur T



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MCD3-SP/51N</b>	NG-6	350	0-70	<b>192,56</b>
<b>MCD4-SP/51N</b>	NG-6	350	0 - 140	<b>192,56</b>
<b>MCD5-SP/51N</b>	NG-6	350	0 - 210	<b>192,56</b>
<b>MCD6-SP/51N</b>	NG-6	350	0 - 350	<b>192,56</b>

## Limit. simple en A - descarga en T

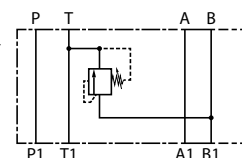
Simple relief valve in A - discharge in T  
Limiteur simple sur A - décharge sur T



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MCD3-SAT/51N</b>	NG-6	350	0 - 70	<b>192,56</b>
<b>MCD3-SAT/51N/K</b>	NG-6	350	0 - 70	<b>192,56</b>
<b>MCD4-SAT/51N</b>	NG-6	350	0 - 140	<b>192,56</b>
<b>MCD5-SAT/51N</b>	NG-6	350	0 - 210	<b>192,56</b>
<b>MCD6-SAT/51N</b>	NG-6	350	0 - 350	<b>192,56</b>

## Limit. simple en B - descarga en T

Simple relief valve in B - discharge in T  
Limiteur simple sur B - décharge sur T



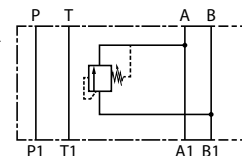
Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MCD3-SBT/51N</b>	NG-6	350	0 - 70	<b>192,56</b>
<b>MCD4-SBT/51N</b>	NG-6	350	0 - 140	<b>192,56</b>
<b>MCD5-SBT/51N</b>	NG-6	350	0 - 210	<b>192,56</b>
<b>MCD6-SBT/51N</b>	NG-6	350	0 - 350	<b>192,56</b>

# Electroválvulas NG6 - Cetop 3

Directional valves for NG6 - Cetop 3  
Electro-distributeurs NG6 - Cetop 3

## Limit. simple en B - descarga en A

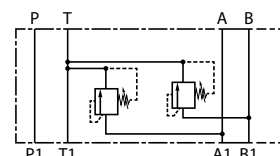
Simple relief valve in B - discharge in A  
Limiteur simple sur B - décharge sur A



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MCD3-SB/51N</b>	NG-6	350	0 - 70	<b>231,63</b>
<b>MCD4-SB/51N</b>	NG-6	350	0 - 140	<b>231,63</b>
<b>MCD5-SB/51N</b>	NG-6	350	0 - 210	<b>231,63</b>
<b>MCD6-SB/51N</b>	NG-6	350	0 - 350	<b>231,63</b>

## Limit. doble en A y B - descarga en T

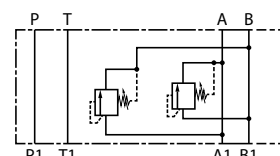
Double relief valve in A and B - discharge in T  
Limiteur double sur A et B - décharge sur T



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MCD3-DT/51N</b>	NG-6	350	0 - 70	<b>293,03</b>
<b>MCD4-DT/51N</b>	NG-6	350	0 - 140	<b>293,03</b>
<b>MCD5-DT/51N</b>	NG-6	350	0 - 210	<b>293,03</b>
<b>MCD6-DT/51N</b>	NG-6	350	0 - 350	<b>293,03</b>

## Limit. doble en A y B - descarga cruzada

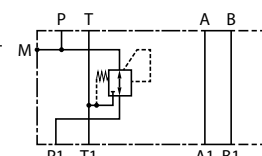
Double relief valve in A and B - crossed discharge  
Limiteur double sur A et B - décharges croisées



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MCD3-D/51N</b>	NG-6	350	0 - 70	<b>300,00</b>
<b>MCD4-D/51N</b>	NG-6	350	0 - 140	<b>300,00</b>
<b>MCD5-D/51N</b>	NG-6	350	0 - 210	<b>300,00</b>
<b>MCD6-D/51N</b>	NG-6	350	0 - 350	<b>300,00</b>

## Reductora de presión en P

Pressure reducing valve in P  
Réducteur de pression sur P



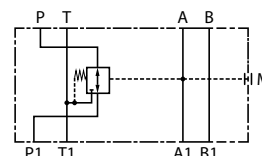
Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MZD2/50</b>	NG-6	350	3 - 35	<b>226,38</b>
<b>MZD3/50</b>	NG-6	350	10 - 70	<b>226,38</b>
<b>MZD4/50</b>	NG-6	350	30 - 140	<b>226,38</b>
<b>MZD5/50</b>	NG-6	350	60 - 280	<b>226,38</b>

# Electroválvulas NG6 - Cetop 3

Directional valves for NG6 - Cetop 3  
Electro-distributeurs NG6 - Cetop 3

## Reductora de presión en A

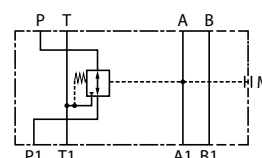
Pressure reducing valve in A  
Réducteur de pression sur A



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MZD2/A/50</b>	NG-6	350	3 - 35	<b>240,17</b>
<b>MZD3/A/50</b>	NG-6	350	10 - 70	<b>240,17</b>
<b>MZD4/A/50</b>	NG-6	350	30 - 140	<b>240,17</b>
<b>MZD5/A/50</b>	NG-6	350	60 - 280	<b>240,17</b>

## Reductora de presión en B

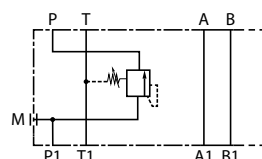
Pressure reducing valve in B  
Réducteur de pression sur B



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MZD2/B/50</b>	NG-6	350	3 - 35	<b>240,17</b>
<b>MZD3/B/50</b>	NG-6	350	10 - 70	<b>240,17</b>
<b>MZD4/B/50</b>	NG-6	350	30 - 140	<b>240,17</b>
<b>MZD5/B/50</b>	NG-6	350	60 - 280	<b>240,17</b>

## Válvula de secuencia NG6

Sequence valve NG6  
Valve de séquence NG6

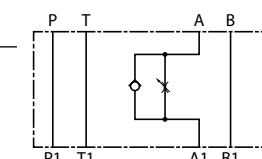


Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MSD3/50 *</b>	NG-6	350	10 - 70	<b>237,50</b>
<b>MSD4/50 *</b>	NG-6	350	30 - 140	<b>237,50</b>
<b>MSD5/50 *</b>	NG-6	350	50 - 280	<b>237,50</b>

Hasta fin de existencias. / Until end of stock. / Jusqu'à fin du stock.

## Válvula regul. de caudal simple unidirec. NG6 -toma A

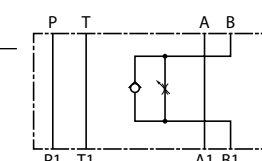
Throttle simple flow control valve NG6 -A  
Étrangleur de débit simple unidirectionnel NG6 -A



Part nº Referencia	SIZE TAMAÑO	DIRECTION SENTIDO	POINTS A-B TOMAS A-B	€
<b>MERS-SA/50</b>	NG-6	Salida	A	<b>155,06</b>

## Válvula regul. de caudal simple unidirec. NG6 -toma B

Throttle simple flow control valve NG6 -B  
Étrangleur de débit simple unidirectionnel NG6 -B



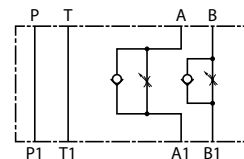
Part nº Referencia	SIZE TAMAÑO	DIRECTION SENTIDO	POINTS A-B TOMAS A-B	€
<b>MERS-SB/50</b>	NG-6	Salida	B	<b>155,06</b>

# Electroválvulas NG6 - Cetop 3

Directional valves for NG6 - Cetop 3  
Electro-distributeurs NG6 - Cetop 3

## Válvula regul. de caudal doble unidirec. NG6 - salida

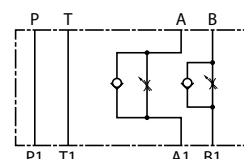
Throttle double flow control valve NG6 -out  
Étrangleur de débit double unidirectionnel NG6 -sortie



Part nº Referencia	SIZE TAMAÑO	DIRECTION SENTIDO	POINTS A-B TOMAS A-B	€
<b>MERS-D/50</b>	NG-6	Salida	A - B	<b>173,37</b>

## Válvula regul. de caudal doble unidirec. NG6 - entrada

Throttle double flow control valve NG6 -in  
Étrangleur de débit double unidirectionnel NG6 -entrée



Part nº Referencia	SIZE TAMAÑO	DIRECTION SENTIDO	POINTS A-B TOMAS A-B	€
<b>MERS-RD/50</b>	NG-6	Entrada	A - B	<b>192,91</b>

## Placas base NG6 para 1 electro.,tomas laterales - sin limitadora

Subplates for a directional valve NG6- lateral points- without relief valve  
Embases NG6 pour 1 electro.prises laterales- sans limiteur



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	DESCRIPTION DESCRIPCIÓN	POINTS A-B TOMAS A-B	€
<b>PBKV-6-38TL</b>	3/8" BSP	NG-6	Para 1 electro	Laterales	<b>52,32</b>

## Placas base NG6 para 1 electro.,tomas verticales - sin limitadora

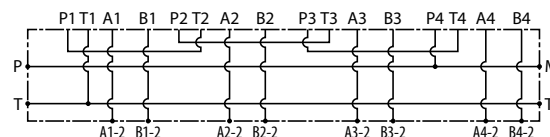
Subplates for a directional valve NG6-vertical points- without relief valve  
Embases NG6 pour 1 electro.prises verticales- sans limiteur



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	DESCRIPTION DESCRIPCIÓN	POINTS A-B TOMAS A-B	€
<b>PBKV-6-38TV</b>	3/8" BSP	NG-6	Para 1 electro	Verticales	<b>46,29</b>

## Placa base NG6 en serie o tandem - sin limitadora

Subplates for serial directional valve NG6 without relief valve  
Embases NG6 montage en serie - sans limiteur



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	POINTS A-B TOMAS A-B	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PF4SL *</b>	3/8" BSP	NG-6	Laterales	4	<b>200,32</b>

Hasta fin de existencias. Otras medidas, consultar / Until end of stock. Other sizes, consult us / Jusqu'à fin du stock. Autres tailles, consultez-nous

Para placas base de más estaciones, con y sin limitadora, ver página 232 TrAle / For base stations plates with and without limiting, see page 232 TrAle / Pour les stations de base plaques avec et sans limitation, voir page 232 TrAle

Fichas técnicas disponibles en nuestra web. Ver ej. p. 131 / Technical data in our web. See ex. p. 131 / Fiches techniques sur notre web. Voir ex. p. 131

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

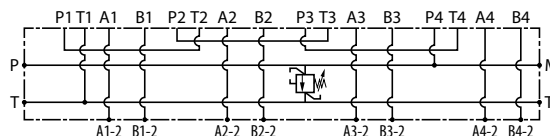
Hydraulic cylinders

## Electroválvulas NG6 - Cetop 3

Directional valves for NG6 - Cetop 3  
Electro-distributeurs NG6 - Cetop 3

### Placa base NG6 montaje en serie o tandem - con limitadora

Subplates for serial directional valve NG6 with relief valve  
Embases NG6 montaje en serie - avec limiteur

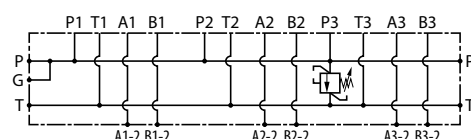


Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	POINTS A-B TOMAS A-B	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PF3SLCL200</b>	3/8" BSP	NG-6	Laterales	3	<b>231,51</b>

Otras medidas, consultar / Other sizes, consult us. / Autres tailles, consultez-nous

### Placa base NG6 montaje en paralelo - con limitadora

Subplates for parallel directional valve NG6 with relief valve  
Embases NG6 montage en parallèle - avec limiteur



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	POINTS A-B TOMAS A-B	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PF2PLCL210</b>	3/8" BSP	NG-6	Laterales	2	<b>190,90</b>
<b>PF3PLCL210</b>	3/8" BSP	NG-6	Laterales	3	<b>220,50</b>
<b>PF4PLCL210</b>	3/8" BSP	NG-6	Laterales	4	<b>262,52</b>
<b>PF6PLCL200</b>	3/8" BSP	NG-6	Laterales	6	<b>380,06</b>

Otras medidas, consultar / Other sizes, consult us. / Autres tailles, consultez-nous

### Placas anulación electroválvula NG6

Blanking plates NG6  
Plaque pour anulation d'électro.NG6



Part nº Referencia	SIZE TAMAÑO	EXECUTION EJECUCIÓN	€
<b>321013</b>	NG-6	P con B y A cont	<b>44,29</b>

## ELECTROVÁLVULAS · DIRECTIONAL VALVES

Consultar disponibilidad de electroválvulas tipo:

- NG 16
- NG 25
- NG 32

Check availability of directional valves type:

- NG 16
- NG 25
- NG 32





# Electroválvulas NG10 - Cetop 5

Directional valves for NG10 - Cetop 5  
Electro-distributeurs NG10 - Cetop 5

## Electro. NG10- corredera S1

Directional control valve NG10- spool S1  
Electro. NG10- tiroir S1



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS5-S1/11N-A110-50K1</b>	NG-10	110 VAC	120	320	<b>396,00</b>
<b>DS5-S1/11N-A230-50K1</b>	NG-10	220 VAC	120	320	<b>396,00</b>
<b>DS5-S1/11N-A24-50K1</b>	NG-10	24 VAC	120	320	<b>396,00</b>
<b>DS5-S1/11N-A48-50K1</b>	NG-10	48 VAC	120	320	<b>423,63</b>
<b>DS5-S1/11N-D12K1</b>	NG-10	12 VDC	120	320	<b>396,00</b>
<b>DS5-S1/11N-D24K1</b>	NG-10	24 VDC	120	320	<b>396,00</b>
<b>DS5-S1/11N-D48K1</b>	NG-10	48 VDC	120	320	<b>409,82</b>

## Electro. NG10- corredera S2

Directional control valve NG10- spool S2  
Electro. NG10- tiroir S2



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS5-S2/11N-A110-50K1</b>	NG-10	110 VAC	120	320	<b>396,00</b>
<b>DS5-S2/11N-A230-50K1</b>	NG-10	220 VAC	120	320	<b>396,00</b>
<b>DS5-S2/11N-A24-50K1</b>	NG-10	24 VAC	120	320	<b>396,00</b>
<b>DS5-S2/11N-A48-50K1</b>	NG-10	48 VAC	120	320	<b>409,82</b>
<b>DS5-S2/11N-D12K1</b>	NG-10	12 VDC	120	320	<b>396,00</b>
<b>DS5-S2/11N-D24K1</b>	NG-10	24 VDC	120	320	<b>396,00</b>
<b>DS5-S2/11N-D48K1</b>	NG-10	48 VDC	120	320	<b>423,63</b>

## Electro. NG10- corredera S3

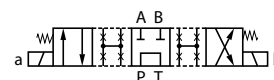
Directional control valve NG10- spool S3  
Electro. NG10- tiroir S3



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS5-S3/11N-A110-50K1</b>	NG-10	110 VAC	120	320	<b>396,00</b>
<b>DS5-S3/11N-A230-50K1</b>	NG-10	220 VAC	120	320	<b>396,00</b>
<b>DS5-S3/11N-A24-50K1</b>	NG-10	24 VAC	120	320	<b>396,00</b>
<b>DS5-S3/11N-A48-50K1</b>	NG-10	48 VAC	120	320	<b>423,63</b>
<b>DS5-S3/11N-D12K1</b>	NG-10	12 VDC	120	320	<b>396,00</b>
<b>DS5-S3/11N-D24K1</b>	NG-10	24 VDC	120	320	<b>396,00</b>
<b>DS5-S3/11N-D48K1</b>	NG-10	48 VDC	120	320	<b>423,63</b>

## Electro. NG10- corredera S4

Directional control valve NG10- spool S4  
Electro. NG10- tiroir S4



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS5-S4/11N-A110-50K1</b>	NG-10	110 VAC	120	320	<b>442,05</b>
<b>DS5-S4/11N-A230-50K1</b>	NG-10	220 VAC	120	320	<b>442,05</b>
<b>DS5-S4/11N-A48-50K1</b>	NG-10	48 VAC	120	320	<b>469,68</b>
<b>DS5-S4/11N-D12K1</b>	NG-10	12 VDC	120	320	<b>442,05</b>
<b>DS5-S4/11N-D24K1</b>	NG-10	24 VDC	120	320	<b>442,05</b>
<b>DS5-S4/11N-D48K1</b>	NG-10	48 VDC	120	320	<b>469,68</b>

# Electroválvulas NG10 - Cetop 5

Directional valves for NG10 - Cetop 5  
Electro-distributeurs NG10 - Cetop 5

## Electro. NG10- corredera TA

Directional control valve NG10- spool TA  
Electro. NG10- tiroir TA



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS5-TA/11N-A110-50K1</b>	NG-10	110 VAC	120	320	<b>290,10</b>
<b>DS5-TA/11N-A230-50K1</b>	NG-10	220 VAC	120	320	<b>290,10</b>
<b>DS5-TA/11N-A24-50K1</b>	NG-10	24 VAC	120	320	<b>290,10</b>
<b>DS5-TA/11N-A48-50K1</b>	NG-10	48 VAC	120	320	<b>303,91</b>
<b>DS5-TA/11N-D12K1</b>	NG-10	12 VDC	120	320	<b>290,10</b>
<b>DS5-TA/11N-D24K1</b>	NG-10	24 VDC	120	320	<b>290,10</b>
<b>DS5-TA/11N-D48K1</b>	NG-10	48 VDC	120	320	<b>303,91</b>

## Electro. NG10- corredera SA2

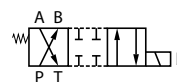
Directional control valve NG10 spool SA2  
Electro. NG10- tiroir SA2



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS5-SA2/11N-A110-50K1</b>	NG-10	110 VAC	120	320	<b>290,10</b>
<b>DS5-SA2/11N-A230-50K1</b>	NG-10	220 VAC	120	320	<b>290,10</b>
<b>DS5-SA2/11N-A24-50K1</b>	NG-10	24 VAC	120	320	<b>290,10</b>
<b>DS5-SA2/11N-A48-50K1</b>	NG-10	48 VAC	120	320	<b>303,91</b>
<b>DS5-SA2/11N-D12K1</b>	NG-10	12 VDC	120	320	<b>290,10</b>
<b>DS5-SA2/11N-D24K1</b>	NG-10	24 VDC	120	320	<b>290,10</b>
<b>DS5-SA2/11N-D48K1</b>	NG-10	48 VDC	120	320	<b>303,91</b>

## Electro. NG10- corredera TB

Directional control valve NG10- spool TB  
Electro. NG10- tiroir TB



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>DS5-TB/11N-A110-50K1</b>	NG-10	110 VAC	120	320	<b>341,29</b>
<b>DS5-TB/11N-A230-50K1</b>	NG-10	220 VAC	120	320	<b>290,10</b>
<b>DS5-TB/11N-A24-50K1</b>	NG-10	24 VAC	120	320	<b>290,10</b>
<b>DS5-TB/11N-A48-50K1</b>	NG-10	48 VAC	120	320	<b>303,91</b>
<b>DS5-TB/11N-D12K1</b>	NG-10	12 VDC	120	320	<b>290,10</b>
<b>DS5-TB/11N-D24K1</b>	NG-10	24 VDC	120	320	<b>290,10</b>
<b>DS5-TB/11N-D48K1</b>	NG-10	48 VDC	120	320	<b>303,91</b>

## Bobinas corriente continua para DS5/NG10

DS5/NG10 coils (direct current)  
Bobines courant continu pour DS5/NG10



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	DIRECT. VALVE ELECTROVÁLVULA	€
<b>C31-D12K1/10</b>	Bobina NG10	12 VCC	NG-10	<b>57,56</b>
<b>C31-D48K1/10</b>	Bobina NG10	48 VDC	NG-10	<b>71,37</b>

# Electroválvulas NG10 - Cetop 5

Directional valves for NG10 - Cetop 5  
Electro-distributeurs NG10 - Cetop 5

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

Hydraulic cylinders

## Bobinas corriente alterna para DS5/NG10



DS5/NG10 coils (alternating current)  
Bobines courant alternatif pour DS5/NG10

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	DIRECT. VALVE ELECTROVÁLVULA	€
<b>C25.4-A110-50K1/10</b>	Bobina NG10	110 VAC	NG-10	<b>57,56</b>
<b>C25.4-A230-50K1/10</b>	Bobina NG10	230 VAC	NG-10	<b>57,56</b>
<b>C25.4-A24-50K1/10</b>	Bobina NG10	24 VAC	NG-10	<b>57,56</b>
<b>C25.4-A48-50K1/10</b>	Bobina NG10	48 VAC	NG-10	<b>71,37</b>

## Bobinas corriente continua para DS5/11N



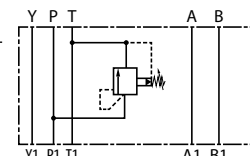
DS5/11N coils (direct current)  
Bobines courant continu pour DS5/11N

Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	DIRECT. VALVE ELECTROVÁLVULA	€
<b>C31-D12K1/20</b>	12 VDC	DS5/11N	<b>57,56</b>
<b>C31-D24K1/20</b>	24 VCC	DS5/11N	<b>57,56</b>
<b>C31-D48K1/20</b>	48 VCC	DS5/11N	<b>71,37</b>

## Limitadora simple en P - descarga en T



Simple relief valve in P - discharge in T  
Limiteur simple sur P - décharge sur T

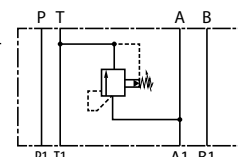


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>RQ4M3-SP/51</b>	NG-10	100	320	0 - 70	<b>323,72</b>
<b>RQ4M4-SP/51</b>	NG-10	100	320	0 - 140	<b>323,72</b>
<b>RQ4M5-SP/51</b>	NG-10	100	320	0 - 210	<b>323,72</b>
<b>RQ4M6-SP/51</b>	NG-10	100	320	0 - 320	<b>323,72</b>

## Limitadora simple en A - descarga en T



Simple relief valve in A - discharge in T  
Limiteur simple sur A - décharge sur T

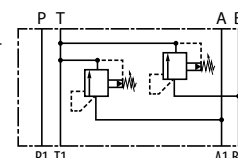


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>RQ4M3-SAT/51</b>	NG-10	100	320	0 - 70	<b>323,72</b>
<b>RQ4M4-SAT/51</b>	NG-10	100	320	0 - 140	<b>323,72</b>
<b>RQ4M5-SAT/51</b>	NG-10	100	320	0 - 210 bar	<b>323,72</b>
<b>RQ4M6-SAT/51</b>	NG-10	100	320	0 - 320	<b>323,72</b>

## Limitadora doble en A y B - descarga en T



Double relief valve in A and B - discharge in T  
Limiteur double sur A et B - décharge sur T



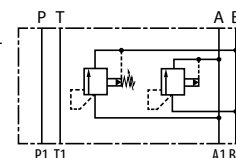
Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>RQ4M3-DT/51</b>	NG-10	100	320	0 - 70	<b>438,14</b>
<b>RQ4M4-DT/51</b>	NG-10	100	320	0 - 140	<b>438,14</b>
<b>RQ4M5-DT/51</b>	NG-10	100	320	0 - 210	<b>438,14</b>
<b>RQ4M6-DT/51</b>	NG-10	100	320	0 - 320	<b>438,14</b>

# Electroválvulas NG10 - Cetop 5

Directional valves for NG10 - Cetop 5  
Electro-distributeurs NG10 - Cetop 5

## Limit. doble en A y B -descarga cruzada

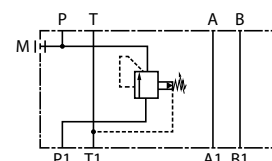
Double relief valve in A and B - crossed discharge  
Limiteur double sur A et B - décharges croisées



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>RQ4M3-D/51</b>	NG-10	100	320	0 - 70	<b>466,05</b>
<b>RQ4M4-D/51</b>	NG-10	100	320	0 - 140	<b>466,05</b>
<b>RQ4M5-D/51</b>	NG-10	100	320	0 - 210	<b>466,05</b>
<b>RQ4M6-D/51</b>	NG-10	100	320	0 - 320	<b>466,05</b>

## Val. reductora de presión pilotada NG10

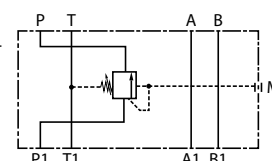
Pilot operated pressure reducing valve NG10  
Réducteur de pression piloté NG10



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>Z4M3-I/50</b>	NG-10	80	320	5 - 70	<b>438,64</b>
<b>Z4M4-I/50</b>	NG-10	80	320	8 - 140	<b>438,64</b>
<b>Z4M5-I/50</b>	NG-10	80	320	10 - 210	<b>438,64</b>
<b>Z4M6-I/50</b>	NG-10	80	320	15 - 320	<b>438,64</b>

## Válvula de secuencia

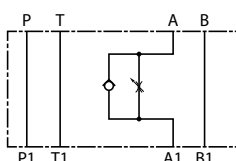
Sequence valve  
Valve de séquence



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>SD4M3/50</b>	NG-10	80	320	0 - 70	<b>733,18</b>
<b>SD4M4/50</b>	NG-10	80	320	0 - 140	<b>733,18</b>
<b>SD4M5/50</b>	NG-10	80	320	0 - 210	<b>733,18</b>

## Válvula reguladora de caudal simple unidireccional NG10- A

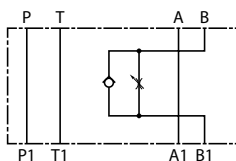
Throttle simple flow control valve NG10 -A  
Étrangleur de débit simple unidirectionnel NG10 -A



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	DIRECTION SENTIDO	POINTS A-B TOMAS A-B	€
<b>QTM5-SA/10/S</b>	NG-10	80	320	Salida	A	<b>333,25</b>

## Válvula reguladora de caudal simple unidireccional NG10 -B

Throttle simple flow control valve NG10 -B  
Étrangleur de débit simple unidirectionnel NG10 -B



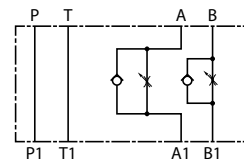
Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	DIRECTION SENTIDO	POINTS A-B TOMAS A-B	€
<b>QTM5-SB/10/S</b>	NG-10	80	320	Salida	B	<b>333,25</b>

# Electroválvulas NG10 - Cetop 5

Directional valves for NG10 - Cetop 5  
Electro-distributeurs NG10 - Cetop 5

## Válvula reguladora de caudal doble unidireccional NG10 -salida

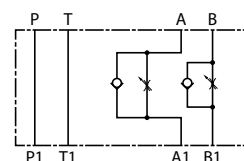
Throttle double flow control valve NG10 -out  
Étrangleur de débit double unidirectionnel NG10 -sortie



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	DIRECTION SENTIDO	POINTS A-B TOMAS A-B	€
<b>QTM5-D/10/S</b>	NG-10	80	320	Salida	A - B	<b>384,13</b>

## Válvula reguladora de caudal doble unidireccional NG10 -entrada

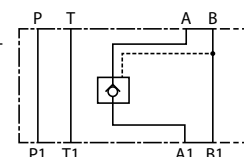
Throttle double flow control valve NG10 -in  
Étrangleur de débit double unidirectionnel NG10 -entrée



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	DIRECTION SENTIDO	POINTS A-B TOMAS A-B	€
<b>QTM5-RD/10/S</b>	NG-10	80	320	Entrada	A - B	<b>403,83</b>

## Válvula antirretorno simple pilotada NG10 -A

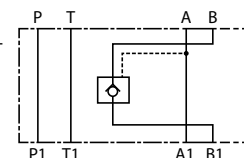
Pilot operated simple check valve NG10 -A  
Clapet anti-retour simple piloté NG10 -A



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	POINTS A-B TOMAS A-B	€
<b>CHM5-SA/10</b>	NG-10	320	A	<b>275,79</b>

## Válvula antirretorno simple pilotada NG10 -B

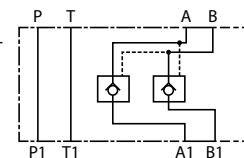
Pilot operated simple check valve NG10 -B  
Clapet anti-retour simple piloté NG10 -B



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	POINTS A-B TOMAS A-B	€
<b>CHM5-SB/10</b>	NG-10	320	B	<b>275,79</b>

## Válvula antirretorno doble pilotada NG10

Pilot operated double check valve NG10  
Clapet anti-retour double piloté NG10



Part nº Referencia	SIZE TAMAÑO	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	POINTS A-B TOMAS A-B	€
<b>CHM5-D/10</b>	NG-10	320	A - B	<b>290,24</b>

Para placas base de más estaciones, con y sin limitadora, ver página 232 TrAle / For base stations plates with and without limiting, see page 232 Trale / Pour les stations de base plaques avec et sans limitation, voir page 232 Trale

Fichas técnicas disponibles en nuestra web. Ver ej. p. 131 / Technical data in our web. See ex. p. 131 / Fiches techniques sur notre web. Voir ex. p. 131

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

Hydraulic cylinders

# Electroválvulas NG10 - Cetop 5

Directional valves for NG10 - Cetop 5  
Electro-distributeurs NG10 - Cetop 5



## Placa base NG10 para 1 electro. - sin limitadora

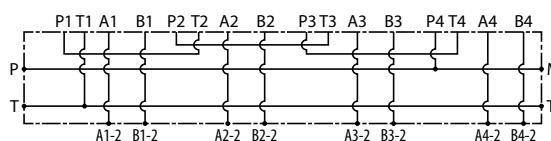
Subplates for directional valve NG10 without relief valve  
Embase NG10 pour 1 electro. - sans limiteur

Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	DESCRIPTION DESCRIPCIÓN	POINTS A-B TOMAS A-B	€
<b>PBKV-10-12TV</b>	1/2"	NG-10	Para 1 electro	Verticales	<b>95,76</b>

Otras medidas, consultar / Other sizes, consult us. / Autres tailles, consultez-nous

## Placa base NG10 montaje en serie o tandem - sin limitadora

Subplates for serial directional valve NG10 without relief valve  
Embase NG10 montaje en serie - sans limiteur

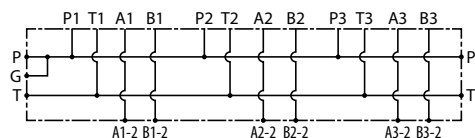


Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	POINTS A-B TOMAS A-B	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PFNG103SL *</b>	1/2"	NG-10	Laterales	3	<b>432,05</b>
<b>PFNG104SL *</b>	1/2"	NG-10	Laterales	4	<b>554,42</b>

Hasta fin de existencias. Otras medidas, consultar / Until end of stock. Other sizes, consult us. / Jusqu'à fin du stock. Autres tailles, consultez-nous

## Placa base NG10 montaje en paralelo - sin limitadora

Subplates for parallel directional valve NG10 without relief valve  
Embase NG10 montaje en parallèle - sans limiteur

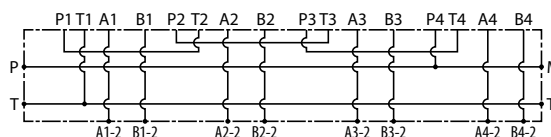


Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	POINTS A-B TOMAS A-B	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PFNG104PL *</b>	1/2"	NG-10	Laterales	4	<b>459,97</b>
<b>PFNG105PL *</b>	1/2"	NG-10	Laterales	5	<b>557,74</b>

Hasta fin de existencias. Otras medidas, consultar / Until end of stock. Other sizes, consult us. / Jusqu'à fin du stock. Autres tailles, consultez-nous

## Placa base NG10 montaje en serie o tandem - con limitadora

Subplates for serial directional valve NG10 with relief valve  
Embase NG10 montaje en serie - avec limiteur

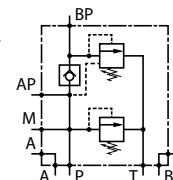


Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	POINTS A-B TOMAS A-B	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PFNG104SLCL180 *</b>	1/2"	NG-10	Laterales	4	<b>722,76</b>

Hasta fin de existencias. Otras medidas, consultar / Until end of stock. Other sizes, consult us. / Jusqu'à fin du stock. Autres tailles, consultez-nous

## Bloques de alta y baja NG10 (con toma de manómetro)

High/low pressure blocks NG10 (with chek-coupling for manometer)  
Blocs forés de control NG10 (avec prise pour manomètre)



Part nº Referencia	SIZE TAMAÑO	€
<b>VD CTP 05 NG-10</b>	NG-10	<b>659,86</b>

Para placas base de más estaciones, con y sin limitadora, ver página 232 TrAle / For base stations plates with and without limiting, see page 232 TrAle / Pour les stations de base plaques avec et sans limitation, voir page 232 TrAle

Fichas técnicas disponibles en nuestra web. Ver ej. p. 131 / Technical data in our web. See ex. p. 131 / Fiches techniques sur notre web. Voir ex. p. 131

# Electroválvulas NG10 - Cetop 5

Directional valves for NG10 - Cetop 5  
Electro-distributeurs NG10 - Cetop 5

## Para electroválvula TN16 sin limitadora



For directional valve TN16 without relief valve  
Embase TN16 pour 1 electro. - sans limiteur

Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	POINTS A-B TOMAS A-B	€
<b>316001</b>	1/2	TN-16	Verticales	<b>109,11</b>
<b>316002</b>	3/4"	TN-16	Verticales	<b>116,02</b>

## Placa base TN32 para 1 electro. - sin limitadora



Subplate TN32 for directional valve without relief valve  
Plaque base TN32 pour 1 electro. - sans limiteur

Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	POINTS A-B TOMAS A-B	€
<b>142002</b>	1" 1/2	TN-32	Verticales	<b>524,22</b>
<b>142003</b>	2"	TN-32	Verticales	<b>629,89</b>

## Conectores estándar



Standard connectors  
Connecteurs standard

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	PROTECTION (IP) PROTECCIÓN (IP)	COLOUR COLOR	€
<b>ECA/A/10</b>	Para 3 patillas	IP 65 - IEC 60529	Gris	<b>1,95</b>
<b>CON4P</b>	Para 4 patillas	IP 65 - IEC 60529	Negro	<b>2,51</b>
<b>ECA/B/10</b>	Para 3 patillas	IP 65 - IEC 60529	Negro	<b>1,95</b>

## Conectores con led



Connectors with led  
Connecteurs avec led

Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	COLOUR COLOR	€
<b>CONLEDCC</b>	12 - 24 VDC	Transparente	<b>5,66</b>
<b>CONLEDCEST</b>	12CC - 24CC	Transparente	<b>5,66</b>
<b>CONLED220CA</b>	70-250V	Transparente	<b>5,66</b>

## Conectores con rectificador y led



Connectors with rectifier and led  
Connecteurs avec rectificateur et led

Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	PROTECTION (IP) PROTECCIÓN (IP)	COLOUR COLOR	€
<b>CONLEDREC110</b>	110/50 V	IP 65 - IEC 60529	Transparente	<b>10,64</b>
<b>CONLEDREC220</b>	220/50 V	IP 65 - IEC 60529	Transparente	<b>10,77</b>
<b>CONLEDREC24</b>	24/50 V	IP 65 - IEC 60529	Transparente	<b>10,77</b>

# Empuñaduras y selectoras

*Joysticks and directional valves*  
Poignées et déviateurs

## **Empuñaduras**

*Joysticks*  
Poignées

**152**

## **Manipuladores eléctricos y Potenciómetros**

*Electric control lever and Potentiometers*  
Manipulateurs électriques et Potentiomètres

**153**

## **Selectoras**

*Directional Control Valves*  
Déviateurs

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## **Bobinas**

*Coils*  
Bobines

**156**

## **Inversores hidráulicos**

*Hydraulic inverters*  
Inverseurs hydrauliques

**157**





8

# Empuñaduras

Joysticks  
Poignées

## Empuñaduras con botón y con interruptor

Joysticks with button and switch (with fitting)

Poignée boitiers de commande électrique (livrée avec raccord)



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>EE1B</b>	1 botón para 1 bobina/1 button for 1 coil	*
<b>EE1D</b>	1 interruptor balancín para 2 bobinas/1 button (2 functions) for 2 coils	*

\*Ver precios en pág. 204 / \*See prices in page 204 / \*Voir prix à la page 204

## Empuñaduras ergonómicas

Ergonomique joystick

Poignée ergonomique



Part nº Referencia	BUTTONS NR. Nº BOTONES	€
<b>EEI2B</b>	2	*
<b>EEI3B</b>	3	*
<b>EEI4B</b>	4	*
<b>EEI6B</b>	6	*
<b>EEI8B</b>	8	*

\*Ver precios en pág. 204 / \*See prices in page 204 / \*Voir les prix à la page 204

## Empuñaduras Cobra

Cobra joystick

Poignée cobra



Part nº Referencia	BUTTONS NR. Nº BOTONES	€
<b>EC1B</b>	1	<b>92,32</b>
<b>EC2B</b>	2	<b>108,96</b>
<b>EC3B</b>	3	<b>128,09</b>
<b>EC4B</b>	4	<b>148,79</b>
<b>EC8BI</b>	8+1 interruptor	<b>385,96</b>

## Empuñaduras ergonómicas con botones grandes

Ergonomic joystick with big buttons

Poignée ergonomique avec boutons grands



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	BUTTONS NR. Nº BOTONES	€
<b>EE2BI</b>	Empuñadura ergonómica con 2 botones grandes	2	<b>155,33</b>
<b>EE3BI</b>	Empuñadura ergonómica con 3 botones grandes	3	<b>215,38</b>
<b>EE4BI</b>	Empuñadura ergonómica con 4 botones grandes	4	<b>281,66</b>
<b>EE5BI</b>	Empuñadura ergonómica con 5 botones grandes	5	<b>323,08</b>
<b>EE6BI</b>	Empuñadura ergonómica con 6 botones grandes	6	<b>364,50</b>
<b>EE8BI</b>	Empuñadura ergonómica con 8 botones grandes	8	<b>468,05</b>

# Manipuladores eléctricos y Potenciómetros

Electric control lever and Potentiometers

Manipulateurs électriques et Potentiomètres



## Manipuladores 2 posiciones

Control lever 2 functions  
Manipulateurs 2 positions

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>M2P-1E1M</b>	1 Pos. enclav. 1 pos. ret muelle.	<b>69,60</b>
<b>M2P-2E</b>	2 Pos.enclavadas.	<b>69,60</b>
<b>M2P-2M</b>	2 Pos. retorno muelle	<b>69,60</b>



## Manipuladores 4 posiciones

Control lever 4 functions  
Manipulateurs 4 positions

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>M4P-1E3M</b>	1 Pos. enclav. 3 pos.ret.muelle	<b>90,15</b>
<b>M4P-4E</b>	4 Pos. enclavadas	<b>90,15</b>
<b>M4P-4M</b>	4 Pos. retorno muelle	<b>90,15</b>

## Interruptores de palanca



Lever switch  
Interrupteurs a levier

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>IP-1E1M</b>	1 Pos. enclav. 1 Pos. ret muelle	<b>26,24</b>
<b>IP-2E</b>	2 Pos. enclavadas	<b>29,72</b>
<b>IP-2M</b>	2 Pos. retorno muelle	<b>26,24</b>

## Potenciómetros lineales



Potentiometers  
Potentiomètres

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>POTENCIOMETRO-LINEAL</b>	Potenciómetro lineal, 5 K, 0,1W	<b>44,54</b>

## Caja poliéster



Polyester box  
Boîte en polyester

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>CM190X75</b>	190mm x 75mm x 75mm	<b>28,72</b>

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

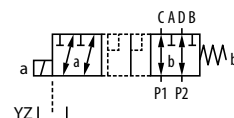
Hydraulic cylinders

# Selectoras

Directional valves  
Déviateurs

## Electrov. select. 6 vías 3/8"

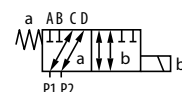
Direct cont. valve 6 ways 3/8"  
Déviateurs 6 voies 3/8"



Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KV-6/2-6-DC-G3/8 MR</b>	3/8" BSP	6	12 VDC	50	250	<b>167,99</b>
<b>KV-6/2-6-24DC-G3/8 MR</b>	3/8" BSP	6	24 VDC	50	250	<b>192,65</b>
<b>KV-6/2-6-48DC-G3/8MR</b>	3/8" BSP	6	48 VDC	50	250	<b>192,45</b>
<b>KV-6/2-6-110AC-G3/8MR</b>	3/8" BSP	6	110 VAC	50	250	<b>205,57</b>
<b>KV-6/2-6-AC-G3/8 MR</b>	3/8" BSP	6	220 VAC	50	250	<b>205,57</b>

## Elect. select. 6 vías lateral 3/8"

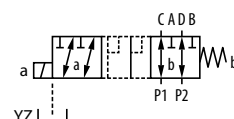
Direct cont. valve lateral 6 ways 3/8"  
Déviateurs 6 voies lateral 3/8"



Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KV-6K/2-6-DC-3/8 MR</b>	3/8" BSP	6	12 VDC	50	250	<b>204,40</b>
<b>KV-6K/2-6-24DC-G3/8MR</b>	3/8" BSP	6	24 VDC	50	250	<b>204,40</b>
<b>KV-6K/2-6-48DC-G3/8MR</b>	3/8" BSP	6	48 VDC	50	250	<b>204,40</b>
<b>KV-6K/2-6-110AC-G3/8MR</b>	3/8" BSP	6	110 VAC	50	250	<b>217,44</b>
<b>KV-6K/2-6-AC-G3/8 MR</b>	3/8" BSP	6	220 VAC	50	250	<b>217,44</b>

## Elect. select. 6 vías apilable 3/8"

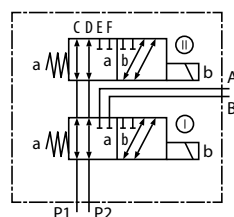
Stackable direct cont. valve 6 ways 3/8"  
Déviateurs 6 voies empilable 3/8"



Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	ELEMENTS NR. Nº ELEMENTOS	€
<b>KVH-6/2-6-DC-3/8-N1</b>	3/8" BSP	6	12 VDC	50	250	1	<b>182,49</b>
<b>KVH-6/2-6-DC-3/8-N2</b>	3/8" BSP	6	12 VDC	50	250	2	<b>446,05</b>
<b>KVH-6/2-6-DC-3/8-N3</b>	3/8" BSP	6	12 VDC	50	250	3	<b>635,95</b>
<b>KVH-6/2-6-DC-3/8-N6</b>	3/8" BSP	6	12 VDC	50	250	6	<b>1.312,92</b>
<b>KVH-6/2-6-48-DC-3/8-N1</b>	3/8" BSP	6	48 VDC	50	250	1	<b>202,33</b>

## Electrov. select. 8 vías 3/8"

Direct cont. valve 8 ways 3/8"  
Déviateurs 8 voies 3/8"



Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KV-8/3-6-DC-G3/8MR</b>	3/8" BSP	8	12 VDC	50	250	<b>295,23</b>
<b>KV-8/3-6-24DC-G3/8MR</b>	3/8" BSP	8	24 VDC	50	250	<b>342,54</b>
<b>KV-8/3-6-48DC-G3/8MR</b>	3/8" BSP	8	48 VDC	50	250	<b>342,54</b>
<b>KV-8/3-6-110AC-G3/8MR</b>	3/8" BSP	8	110 VAC	50	250	<b>368,70</b>
<b>KV-8/3-6-AC-G3/8 MR</b>	3/8" BSP	8	220 VAC	50	250	<b>368,78</b>

Posibilidad de selectoras con tratamiento anticorrosión (zincadas). Consultar disponibilidad. / Possibility of sorting with anti-corrosion treatment (zinc plated). Check availability. / Possibilité de trier avec traitement anti-corrosion (zingué). Vérifier la disponibilité.

Fichas técnicas disponibles en nuestra web. Ver ej. p. 131 / Technical data in our web. See ex. p. 131 / Fiches techniques sur notre web. Voir ex. p. 131

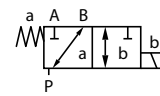
# Selectoras

Directional valves  
Déviateurs

## Electrov. selectora 3 vías 1/2"



Direct. control valve 3 ways 1/2"  
Elect.selecteur 3 voies 1/2"

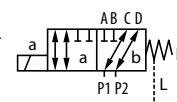


Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVC-3/2-10-41B-12DC1/2</b>	1/2" BSP	3	12 VDC	60	250	<b>252,91</b>
<b>KVC-3/2-10-41B-24DC1/2</b>	1/2" BSP	3	24 VDC	60	250	<b>252,91</b>

## Elect.select.6 vías CETOP 5 1/2"



Dir.contr.valve 6 ways CETOP 5 1/2"  
Elect.select.6 voies CETOP 5 1/2"

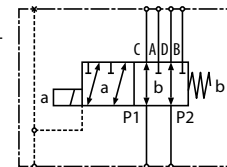


Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KV-6/2-10-DC-G1/2 MR</b>	1/2" BSP	6	12 VDC	120	350	<b>272,19</b>
<b>KV-6/2-10-24DC-G1/2MR</b>	1/2" BSP	6	24 VDC	120	350	<b>305,76</b>
<b>KV-6/2-10-48DC-G1/2MR</b>	1/2" BSP	6	48 VDC	120	350	<b>305,76</b>
<b>KV-6/2-10-110AC-G1/2MR</b>	1/2" BSP	6	110 VAC	120	350	<b>318,85</b>
<b>KV-6/2-10-AC-G1/2 MR</b>	1/2" BSP	6	220 VAC	120	350	<b>318,85</b>

## Elect.select.6 vías 1/2" apilable



Dir.contr.valve 6 ways 1/2" stackable  
Elect.select.6 voies 1/2" empilable



Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	ELEMENTS NR. Nº ELEMENTOS	€
<b>KVH-6/2-10-DC-1/2-N1</b>	1/2" BSP	6	12 VDC	120	350	1	<b>309,08</b>
<b>KVH-6/2-10-DC-1/2-N2</b>	1/2" BSP	6	12 VDC	120	350	2	<b>679,97</b>
<b>KVH-6/2-10-DC-1/2-N3</b>	1/2" BSP	6	12 VDC	120	350	3	<b>1.007,28</b>
<b>KVH-6/2-10-24-DC-1/2-N1</b>	1/2" BSP	6	24 VDC	120	350	1	<b>315,12</b>
<b>KVH-6/2-10-48-DC-1/2-N1</b>	1/2" BSP	6	48 VDC	120	350	1	<b>305,32</b>

Posibilidad de selectoras con tratamiento anticorrosión (zincadas). Consultar disponibilidad. / Possibility of sorting with anti-corrosion treatment (zinc plated). Check availability. / Possibilité de trier avec traitement anti-corrosion (zingué). Vérifier la disponibilité.

Fichas técnicas disponibles en nuestra web. Ver ej. p. 131 / Technical data in our web. See ex. p. 131 / Fiches techniques sur notre web. Voir ex. p. 131

Tanks, bellhousings, couplings and filters

Pumps/gear flow dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional control valves

Directional valves and subplates

Joysticks and directional valves

Vacuum and heat exchangers

Hydraulic cylinders

# Bobinas

Coils  
Bobines

## Bobinas NG6



Coil NG6  
Bobines NG6

Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	€
MR-6-12CC	12 VDC	29	26,77
MR-6-24CC	24 VDC	29	26,77
MR-6-48CC	48 VDC	29	26,77
MR-6-24CA	24 VAC	29	26,77
MR-6-48CA	48 VAC	29	26,77
MR-6-110CA	110 VAC	29	26,77
MR-6-220CA	220 VAC	29	26,77

## Bobinas NG10



Coil NG10  
Bobines NG10

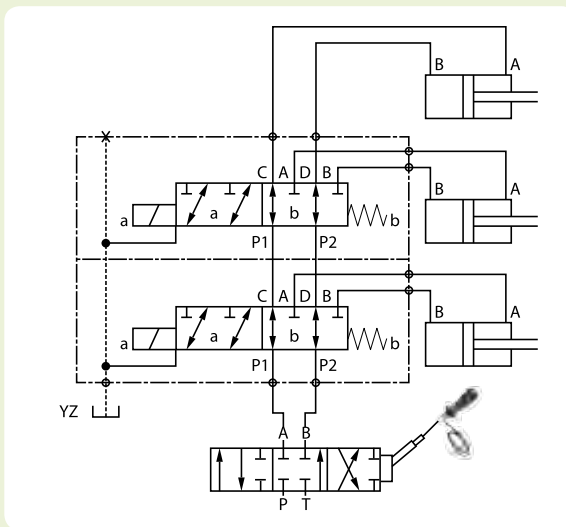
Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	€
MR-10-12CC	12 VDC	45	59,94
MR-10-24CC	24 VDC	45	59,94
MR-10-48CC	48 VDC	45	59,94
MR-10-24CA	24 VAC	45	59,94
MR-10-48CA	48 VAC	45	59,94
MR-10-110CA	110 VAC	45	59,94
MR-10-220CA	220 VAC	45	59,94

## DISEÑO DE PROYECTOS HIDRÁULICOS HYDRAULIC PROJECT DESIGN

Servicio a medida de sus necesidades  
*Service according to your needs*

■ Ejemplo | Example

- DISTRIBUIDOR | CONTROL VALVE ..... p. 112
- + SELECTORAS | DIRECTIONAL CONTROL VALVES ..... p. 154
- + CILINDROS | CYLINDERS ..... p. 170
- + EMPUÑADORAS | JOYSTICKS ..... p. 152



# Inversores hidráulicos

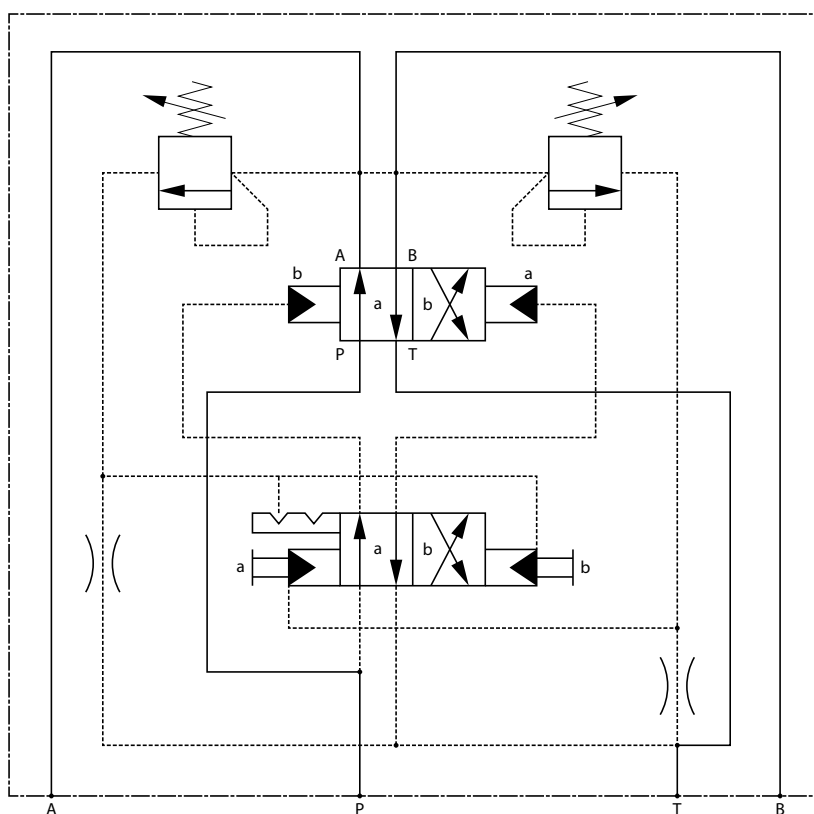
Hydraulic inverters  
Inverseurs hydrauliques

## Inversores hidráulicos

Hydraulic inverters  
Inverseurs hydrauliques



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	€
<b>PKV-6</b>	NG-6	25	<b>592,33</b>
<b>PKV-10</b>	NG-10	60	<b>623,07</b>

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

# Acumuladores e intercambiadores de calor

*Vacuum and heat exchangers*

Accumulateurs et échangeurs de chaleur

## **Acumuladores**

*Accumulators*  
Accumulateurs

**160**

## **Accesorios para acumuladores**

*Accumulator accessories*  
Accessoires pour accumulateurs

**162**

## **Intercambiadores de calor**

*Heat exchangers*  
Échangeurs de chaleur

**165**





9

# Acumuladores

Accumulators  
Accumulateurs

## Acumuladores a vejiga serie HB

Hydropneumatic accumulator bladder-type HB series  
Accumulateurs à vessie série HB



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	NITROGEN VOLUME VOLUMEN NITROGENO	€
<b>HB 2.5</b>	1"1/4 BSP	220	350	2,5	<b>950,99</b>
<b>HB 4.5</b>	1"1/4 BSP	400	350	4	<b>1.025,78</b>
<b>HB 6</b>	1"1/4 BSP	350	350	6	<b>1.260,86</b>
<b>HB 10</b>	1"1/4 BSP	300	350	10	<b>1.405,11</b>
<b>HB 20</b>	2" BSP	600	330	18,5	<b>1.864,83</b>
<b>HB 25</b>	2" BSP	570	330	24,9	<b>2.147,73</b>
<b>HB 35</b>	2" BSP	540	330	33,5	<b>2.511,03</b>
<b>HB 50</b>	2" BSP	500	330	49	<b>3.200,48</b>

## Acumuladores a vejiga serie HTR

Hydropneumatic accumulator bladder-type HTR series  
Accumulateurs à vessie série HTR



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	NITROGEN VOLUME VOLUMEN NITROGENO	€
<b>HTR 0.35</b>	M18X1.5	45	250	0,35	<b>109,71</b>
<b>HTR 0.7</b>	M18X1.5	40	250	0,75	<b>126,85</b>
<b>HTR 0.7-10BAR *</b>	M18X1.5	40	250	0,75	<b>126,85</b>
<b>HTR 1.5</b>	M18X1.5	40	250	1,5	<b>194,29</b>
<b>HTR 4.5</b>	1"1/4 BSP	400	210	4,5	<b>742,88</b>
<b>HTR 10</b>	1"1/4 BSP	300	210	10	<b>1.121,95</b>

Hasta HTR 1.5 foto 1. HTR4.5 y 10 foto 2. / Up to HTR 1.5 photo 1. HTR4.5 & 10 photo 2. / Jusqu'à HTR 1.5 photo 1. HTR4.5 et 10 photo 2.



## Acumuladores a membrana serie HST

Diaphragm type hydropneumatic accumulator HST series  
Accumulateurs à membrane série HST



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	NITROGEN VOLUME VOLUMEN NITROGENO	€
<b>HST 0.05</b>	M18x1,5	35	300	0,05	<b>91,59</b>
<b>HST 0.1</b>	M18X1.5	45	300	0,12	<b>109,40</b>
<b>HST 0.1-10 *</b>	M18X1.5	45	300	0,12	<b>109,40</b>
<b>HST 0.35</b>	M18X1.5	50	300	0,35	<b>112,02</b>
<b>HST 0.5</b>	M18X1.5	60	300	0,5	<b>153,16</b>
<b>HST 0.7</b>	M18x1.5	55	300	0,7	<b>139,42</b>
<b>HST 1.3</b>	M18X1.5	55	300	1,3	<b>233,16</b>
<b>HST 1.5</b>	M18X1.5	55	300	1,5	<b>256,02</b>
<b>HST 2.3</b>	M18X1.5	55	300	2,3	<b>360,01</b>

Hasta HST1.3 foto 1. HST1.5 & 2.3 foto 2. / Up to HST1.3 photo 1. HST1.5 & 2.3 photo 2. / Jusqu'à HST1.3 photo 1. HST1.5 & 2.3 photo 2.



# Acumuladores

Accumulators  
Accumulateurs



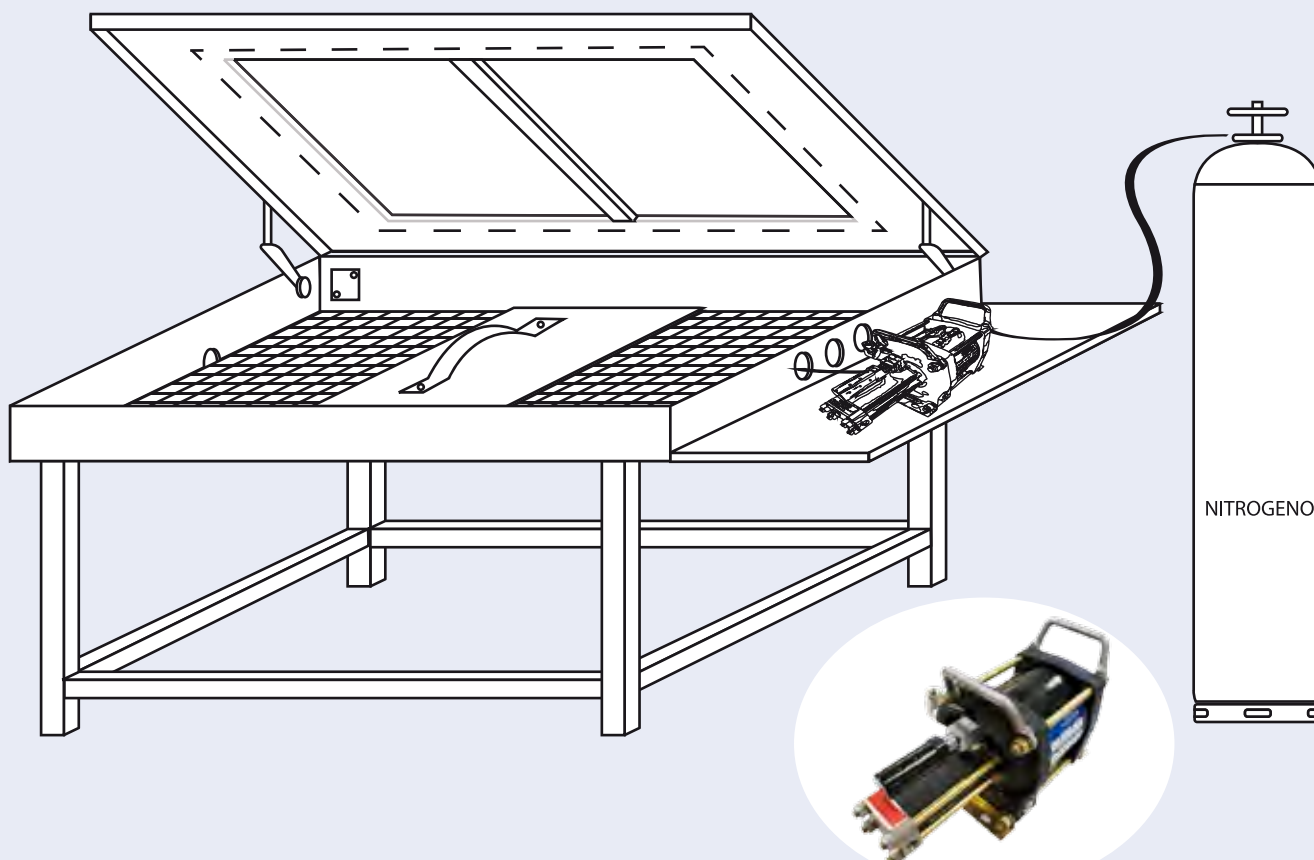
## Acumuladores a membrana serie H, no reparable

NonHydropneumatic accumulator diaphragm-type H series  
Accumulateurs à membrane série H pas réparable

Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	NITROGEN VOLUME VOLUMEN NITROGENO	€
<b>H100R</b>	M18x1,5	40	250	0,15	<b>104,31</b>
<b>H350R</b>	M18x1,5	35	250	0,35	<b>106,85</b>
<b>H500R</b>	M18x1,5	50	250	0,45	<b>110,92</b>
<b>H700R</b>	M18x1,5	40	250	0,7	<b>122,88</b>
<b>H990R</b>	M18x1,5	50	250	0,99	<b>132,29</b>
<b>H1400R</b>	M18x1,5	40	250	1,4	<b>194,88</b>
<b>H2000R</b>	M18x1,5	40	250	2	<b>267,13</b>
<b>H3000R</b>	M18x1,5	40	250	2	<b>371,44</b>
<b>H4000R</b>	3/4" BSP	80	210	3,8	<b>459,46</b>

Disponemos de banco para comprobación y carga de acumuladores de distintos tamaños y a distintas presiones

*We have test bench for checking and charging accumulators, of different sizes and at different pressures*



MÁQUINA CARGA ACUMULADORES  
ACCUMULATORS CHARGE MACHINE

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

# Accesorios para acumuladores

Accumulator accessories

Accessoires pour accumulateurs

## Vejiga para acumuladores serie HB

Bladder for hydropneumatic accumulator-HB series  
Vessie pour accumulateurs série HB



Part nº Referencia	THREAD ROSCA	€
<b>SHB4.5</b>	5/8" UNF	<b>341,93</b>
<b>SHB6</b>	5/8" UNF	<b>454,53</b>

## Vejiga para acumuladores serie HTR

Bladder for hydropneumatic accumulator-HTR series  
Vessie pour accumulateurs série HTR



Part nº Referencia	THREAD ROSCA	€
<b>SHTR0.7</b>	5/8"UNF	<b>82,81</b>
<b>SHTR 1.5</b>	5/8"UNF	<b>111,94</b>
<b>SHTR 4.5</b>	5/8" UNF	<b>365,76</b>

## Membrana para acumuladores serie HST

Diaphragm for hydropneumatic accumulator-HST series  
Membrane pour accumulateurs série HST



Part nº Referencia	€
<b>MHST0.35</b>	<b>49,09</b>
<b>MHST0.7</b>	<b>53,43</b>
<b>MHST0.8</b>	<b>70,12</b>
<b>MHST1.3</b>	<b>84,17</b>
<b>MHST1.5</b>	<b>104,18</b>
<b>MHST2.3</b>	<b>103,78</b>

## Válvula carga para acumuladores

Valves for accumulators  
Valves pour accumulateurs



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>VALVULA R</b>	Racor entrada nitrógeno	400	<b>17,85</b>

## Válvula comprobación acumuladores

Preload and control valves for accumulators  
Valves precharge et contrôle pour accumulateurs



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>AR 4</b>	Válvula precarga y control 0-160 BAR	<b>536,81</b>
<b>AR5</b>	Válvula precarga y control 0-250 BAR	<b>534,26</b>

# Accesorios para acumuladores

Accumulator accessories

Accessoires pour accumulateurs

## Bloque de seguridad acumuladores (todos)



Safety blocks for accumulators (all)  
Blocs de sécurité pour accumulateurs (tous)

Part nº Referencia	THREAD ROSCA	€
<b>SB1</b>	1/2" BSP	<b>704,52</b>
<b>SB1E</b>	1/2" BSP	<b>900,22</b>
<b>SB2</b>	1/2" BSP	<b>726,44</b>
<b>SB2E</b>	1/2" BSP	<b>931,53</b>
<b>SB3</b>	1/2" BSP	<b>762,45</b>
<b>SB3E</b>	1/2" BSP	<b>962,84</b>

## Bridas tipo CR



CR type flanges  
Brides type CR

Part nº Referencia	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	€
<b>CR114</b>	114	<b>88,15</b>
<b>CR168</b>	168	<b>98,84</b>
<b>CR223</b>	223	<b>110,06</b>

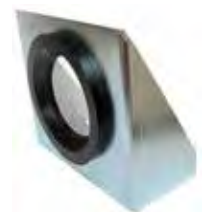
## Bridas tipo CRE



CRE type flanges  
Brides type CRE

Part nº Referencia	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	€
<b>CRE70</b>	70	<b>22,19</b>
<b>CRE92</b>	92	<b>24,86</b>
<b>CRE115</b>	115	<b>27,54</b>
<b>CRE125</b>	125	<b>27,54</b>
<b>CRE138</b>	138	<b>27,54</b>

## Bridas tipo MCR



MCR type flanges  
Brides type MCR

Part nº Referencia	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	€
<b>MCR168</b>	168	<b>137,59</b>
<b>MCR223</b>	223	<b>162,95</b>

## Maletines comprobación multimarca



Testing equipment multi-trademarks  
Malettes de contrôle multimarques

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>MALETIN CARGA ACUMULADOR</b> BOSCH / HYDAC / OLAER / FOX	Maletin carga acumulador/Equipment of accumulator preload	<b>1.600,60</b>

Tanks, bellhousings,  
couplings and filters

Pumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valves

Directional valves and  
subplates

Joysticks and  
directional valves

Vacuum and heat  
exchangers

Hydraulic cylinders

## CONTROL DE PRESIÓN · PRESSURE CONTROL

Ver presostatos en línea TRALE® en página 252  
See our TRALE® pressure switches range en page 252.



**Presostatos monocontacto regulables serie k4- NA**  
*Adjustable monocontact pressure switch k4 serie- N.O.*



**Presostatos monocontacto regulables serie k4- NC**  
*Adjustable monocontact pressure switch k4 serie- N.C.*



**Presostatos conmutados regulables serie f3**  
*Adjustable pressure switch f3 series.*



**Presostatos conmutados regulables a pistón serie k5**  
*Adjustable pressure switch f5 series.*

# Intercambiadores de calor

Heat exchangers  
Échangeurs de chaleur

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

## Intercambiadores aceite/aire-serie BC

Oil/air heat exchangers-BC series  
Échangeurs huile/air-série BC



Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	CAPACITY (l) CAPACIDAD (l)	PROTECTION (IP) PROTECCIÓN (IP)	€
<b>BC21012VDC</b>	1"	12 VDC	70	25	100	1,7	64	<b>444,21</b>
<b>BC21024VDC</b>	1"	24 VDC	70	25	100	1,7	64	<b>444,21</b>
<b>BC25012VDC</b>	1"	12 VDC	180	25	150	2	68	<b>682,24</b>
<b>BC25024VDC</b>	1"	24 VDC	180	25	150	2	68	<b>632,32</b>
<b>BC250/212VDC</b>	1"	12 VDC	180	50	200	4	68	<b>750,88</b>
<b>BC250/224VDC</b>	1"	24 VDC	180	50	200	4	68	<b>750,88</b>
<b>BC39012VDC</b>	1"	12 VDC	240	50	250	5	68	<b>1.011,71</b>
<b>BC39024VDC</b>	1"	24 VDC	240	50	250	5	68	<b>1.011,71</b>
<b>BC210230V</b>	1"	220 VAC	70	25	100	1,7	64	<b>458,43</b>
<b>BC250230V</b>	1"	220 VAC	180	25	150	2	68	<b>703,46</b>
<b>BC250/2230V</b>	1"	220 VAC	180	50	200	4	68	<b>908,96</b>
<b>BC390230V</b>	1"	220 VAC	240	50	250	5	68	<b>1.179,28</b>
<b>BC210400V</b>	1"	400 VAC	70	25	100	1,7	64	<b>651,29</b>
<b>BC250400V</b>	1"	400 VAC	180	25	150	2	68	<b>820,44</b>
<b>BC250/2 400V</b>	1"	220 VAC	180	50	200	4	68	<b>1.090,75</b>
<b>BC390400V</b>	1"	400 VAC	240	50	250	5	68	<b>1.138,18</b>

BC210 foto 2. El resto foto 1. / BC210 photo 2. Others photo 1. / BC210 photo 2. Le reste photo 1.

## Intercambiadores aceite/aire serie AP corriente alterna

Oil/air heat exchangers-AP series, alternatíf current  
Échangeurs huile/air-série AP courant alternatif



Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	CAPACITY (l) CAPACIDAD (l)	PROTECTION (IP) PROTECCIÓN (IP)	€
<b>AP260230V</b>	3/4"	230 VAC	55	5	60	1,2	44	<b>858,97</b>
<b>AP300/2230V</b>	1"	230 VAC	120/160	20	150	3,6	44	<b>1.436,95</b>
<b>AP300230V</b>	1"	230 VAC	120/160	10	80	2	44	<b>1.027,92</b>
<b>AP430/2 400V</b>	1"	230/400VAC	230	30	180	5,5	55	<b>2.190,99</b>
<b>AP430400V</b>	1"	230/400VAC	180	30	150	3,6	54	<b>1.778,40</b>
<b>AP494400V</b>	1"1/4	230/400VAC	230	30	240	8	55	<b>3.012,61</b>
<b>AP680400V</b>	1"1/2	230/400VAC	560	100	300	15	55	<b>4.033,41</b>

AP300 foto 2. El resto foto 1; Posibilidad de suministro de intercambiadores serie AP para uso marino y con certificado ATEX / AP300 photo 2. Others photo 1; Possible supply of AP series heat exchangers for marine use and ATEX certified / AP300 photo 2. Le reste photo 1; On peut fournir des échangeurs de chaleur série AP pour utilisation marine et certifié ATEX

## Intercambiadores aceite/aire serie APL corriente continua

Oil/air heat exchangers-APL series, direct current  
Échangeurs huile/air-série APL courant continu



Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	CAPACITY (l) CAPACIDAD (l)	PROTECTION (IP) PROTECCIÓN (IP)	€
<b>APL26312VT247</b>	3/4"	12 VDC	70	10	90	1,7	64	<b>940,21</b>
<b>APL300/224VT247</b>	1"	24 VDC	180	30	180	3,6	64	<b>1.470,74</b>
<b>APL30024VT247</b>	1"	24 VDC	180	20	150	2	64	<b>1.182,64</b>
<b>APL430/224VT247</b>	1"	24 VDC	200	30	200	5,5	64	<b>1.879,77</b>
<b>APL58024VT247</b>	1"1/2	24 VDC	240	50	250	11,5	64	<b>3.012,61</b>

APL263 & APL30024 foto 2. El resto foto 1. / APL263 & APL30024 photo 2. Others photo 1. / APL263 & APL30024 photo 2. Le reste photo 1.

# Intercambiadores de calor

Heat exchangers  
Échangeurs de chaleur



## Termostato 36-47° 3/8

Thermostat 36-47° 3/8  
Thermostat 36-47° 3/8

Part nº Referencia	THREAD ROSCA	PROTECTION (IP) PROTECCIÓN (IP)	€
<b>T247</b>	3/8"	65	<b>126,62</b>

## Termostatos bimetalicos monocontactos

Bimetallic Thermostats Monocontact  
Thermostats bimétalliques monocontact



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>TM45A2</b>	3/8" BSP	200	<b>38,47</b>
<b>TM45A3</b>	M22X1.5	200	<b>36,64</b>
<b>TM46A1</b>	1/2" BSP	200	<b>36,64</b>
<b>TM46A3</b>	M22X1.5	200	<b>36,64</b>
<b>TM45A1</b>	1/2" BSP	200	<b>30,76</b>

## Paneles para intercambiadores de calor BC

Pannels for BC heat exchangers  
Panneaux pour échangeurs BC



Part nº Referencia	€
<b>PANELBC210</b>	<b>156,50</b>
<b>PANELBC250</b>	<b>267,32</b>
<b>PANELBC250/2</b>	<b>331,97</b>
<b>PANELBC390</b>	<b>597,54</b>

## Motores para intercambiadores de calor BC

Motors for BC heat exchangers  
Moteurs pour échangeurs BC



Part nº Referencia	€
<b>MOTORVENT210/12</b>	<b>192,86</b>
<b>MOTORVENT210/24</b>	<b>192,86</b>
<b>MOTORVENT250/12</b>	<b>298,77</b>
<b>MOTORVENT250/24</b>	<b>298,77</b>
<b>MOTORVENT250/212</b>	<b>298,77</b>
<b>MOTORVENT250/224</b>	<b>298,77</b>
<b>MOTORVENT390/12</b>	<b>355,68</b>
<b>MOTORVENT390/24</b>	<b>355,68</b>

PARA OTROS MODELOS, CONSULTAR DISPONIBILIDAD / PARA OTROS MODELOS, CONSULTAR DISPONIBILIDAD / PARA OTROS MODELOS, CONSULTAR DISPONIBILIDAD



# Intercambiadores de calor

Heat exchangers  
Échangeurs de chaleur

## Intercambiadores aceite/agua standard

Standard oil/water heat exchangers  
Echangeur huile/eau standard



Part nº Referencia	THREAD ROSCA	POWER (W) POTENCIA (W)	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	€
<b>MS84P1</b>	1"	4-4,5 KW	30	80	<b>518,50</b>
<b>MS84P2</b>	1"	7-8 KW	20	60	<b>513,68</b>
<b>MS84P4</b>	1"	14-16KW	30	80	<b>588,56</b>
<b>MS84P5</b>	1" 1/2	14-16 KW	80	130	<b>602,04</b>
<b>MS84P6</b>	1"1/2	17-20 kW	40	90	<b>856,63</b>
<b>MS134P2</b>	1" 1/2	33-37 KW	40	130	<b>1.162,14</b>
<b>MS134P4</b>	1" 1/2	48-56 KW	80	250	<b>1.368,81</b>

\*KW=50°C, 46 cSt, H2O=15°C / \*KW=50°C, 46 cSt, H2O=15°C / \*KW=50°C, 46 cSt, H2O=15°C

## Intercambiadores aceite/agua marino

Marine oil/water heat exchangers  
Echangeur huile/eau marine

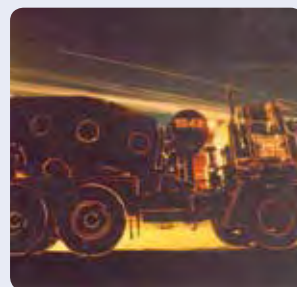


Part nº Referencia	THREAD ROSCA	POWER (W) POTENCIA (W)	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	€
<b>MS84/2B2</b>	1"	7-8 kW	20	60	<b>980,93</b>
<b>MS84/2B3</b>	1"1/2	7-8 KW	50	100	<b>980,93</b>
<b>MS84/2B4</b>	1"	14-16 kW	30	80	<b>1.145,66</b>
<b>MS84/2B5</b>	1" 1/2	14-16 kW	80	130	<b>1.145,66</b>
<b>MS134B2</b>	1" 1/2	33-37 kW	40	130	<b>2.261,38</b>
<b>MS134B4</b>	1" 1/2	48-56 kW	80	250	<b>2.833,46</b>

\*KW=50°C, 46 cSt, H2O=15°C / \*KW=50°C, 46 cSt, H2O=15°C / \*KW=50°C, 46 cSt, H2O=15°C

## INTERCAMBIADORES DE CALOR · HEAT EXCHANGERS

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AP 2/680 EB



AP 494 I



AP 680 I



ELRO/91261

# Cilindros hidráulicos

*Hydraulic cylinders*  
*Vérins hydrauliques*

## **Cilindros ISO**

*ISO cylinders*  
Vérins ISO

**170**



10

# Cilindros ISO

ISO Cylinders  
Vérins ISO

## Cilindros S.E. sin cabeza ni guías

S.A. cylinder-type r (without head bush)  
Vérins S.E. (sans tête ni guides)



Part nº Referencia	STROKE (mm) CARRERA (mm)	THREAD ROSCA	KG/100BAR KG/100 BAR	PISTON ROD (mm) VASTAGO (mm)	PISTON (mm) PISTÓN (mm)	€
SE25100	100	3/8" BSP	490	25	32 H9	73,74
SE25150	150	3/8" BSP	490	25	32 H9	98,28
SE25200	200	3/8" BSP	490	25	32 H9	84,13
SE25250	250	3/8" BSP	490	25	32 H9	109,20
SE25300	300	3/8" BSP	490	25	32 H9	109,20
SE30150	150	3/8" BSP	706	30	40 H9	106,33
SE30200	200	3/8" BSP	706	30	40 H9	102,89
SE30250	250	3/8" BSP	706	30	40 H9	117,25
SE30300	300	3/8" BSP	706	30	40 H9	123,00
SE30350	350	3/8" BSP	706	30	40 H9	127,59
SE30400	400	3/8" BSP	706	30	40 H9	132,19
SE30450	450	3/8" BSP	706	30	40 H9	141,39
SE30550	550	3/8" BSP	706	30	40 H9	151,73
SE30700	700	3/8" BSP	706	30	40 H9	170,13
SE40200	200	3/8" BSP	1250	40	50 H9	133,34
SE40250	250	3/8" BSP	1250	40	50 H9	147,14
SE40300	300	3/8" BSP	1250	40	50 H9	152,88
SE40350	350	3/8" BSP	1250	40	50 H9	159,78
SE40400	400	3/8" BSP	1250	40	50 H9	166,68
SE40450	450	3/8" BSP	1250	40	50 H9	180,47
SE40500	500	3/8" BSP	1250	40	50 H9	187,37
SE40550	550	3/8" BSP	1250	40	50 H9	194,27
SE40600	600	3/8" BSP	1250	40	50 H9	201,16
SE40700	700	3/8" BSP	1250	40	50 H9	224,15

## Cilindros S.E. con cabeza y guías

S.A. cylinder-serie r (with head bush)  
Vérins S.E. (avec tête et guides)



Part nº Referencia	STROKE (mm) CARRERA (mm)	THREAD ROSCA	KG/100BAR KG/100 BAR	PISTON ROD (mm) VASTAGO (mm)	PISTON (mm) PISTÓN (mm)	€
SE45200	200	3/8" BSP	1590	45	50 H9	167,83
SE45300	300	3/8" BSP	1590	45	50 H9	187,64
SE45400	400	3/8" BSP	1590	45	50 H9	205,52
SE45550	550	3/8" BSP	1590	45	50 H9	225,83
SE45700	700	3/8" BSP	1590	45	50 H9	243,87
SE50200	200	3/8" BSP	1960	50	55 H9	187,37
SE50300	300	3/8" BSP	1960	50	55 H9	207,15
SE50400	400	3/8" BSP	1960	50	55 H9	233,14
SE50550	550	3/8" BSP	1960	50	55 H9	257,66
SE50700	700	3/8" BSP	1960	50	55 H9	278,18
SE55300	300	3/8" BSP	2370	55	60 H9	247,14
SE55550	550	3/8" BSP	2370	55	60 H9	309,22
SE55700	700	3/8" BSP	2370	55	60 H9	353,07
SE60200	200	3/8" BSP	2820	60	65 H9	224,15
SE60300	300	3/8" BSP	2820	60	65 H9	257,49
SE60400	400	3/8" BSP	2820	60	65 H9	280,48
SE60550	550	3/8" BSP	2820	60	65 H9	320,71
SE60700	700	3/8" BSP	2820	60	65 H9	368,99

# Cilindros ISO

ISO Cylinders  
Vérins ISO

## Cilindros freno

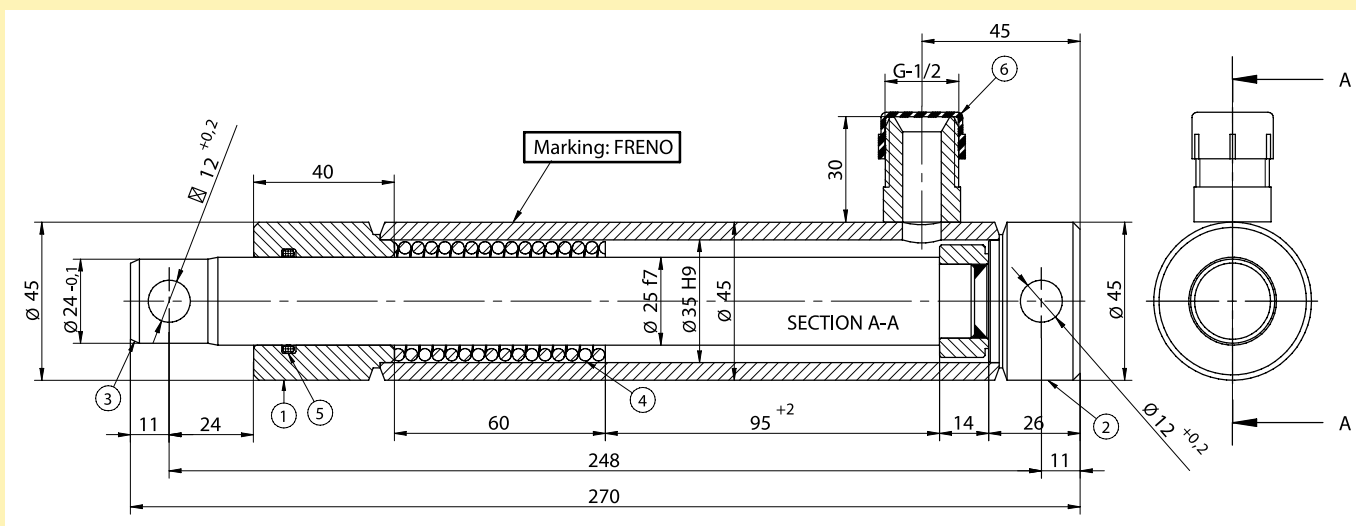
Brake cylinders  
Vérins frein



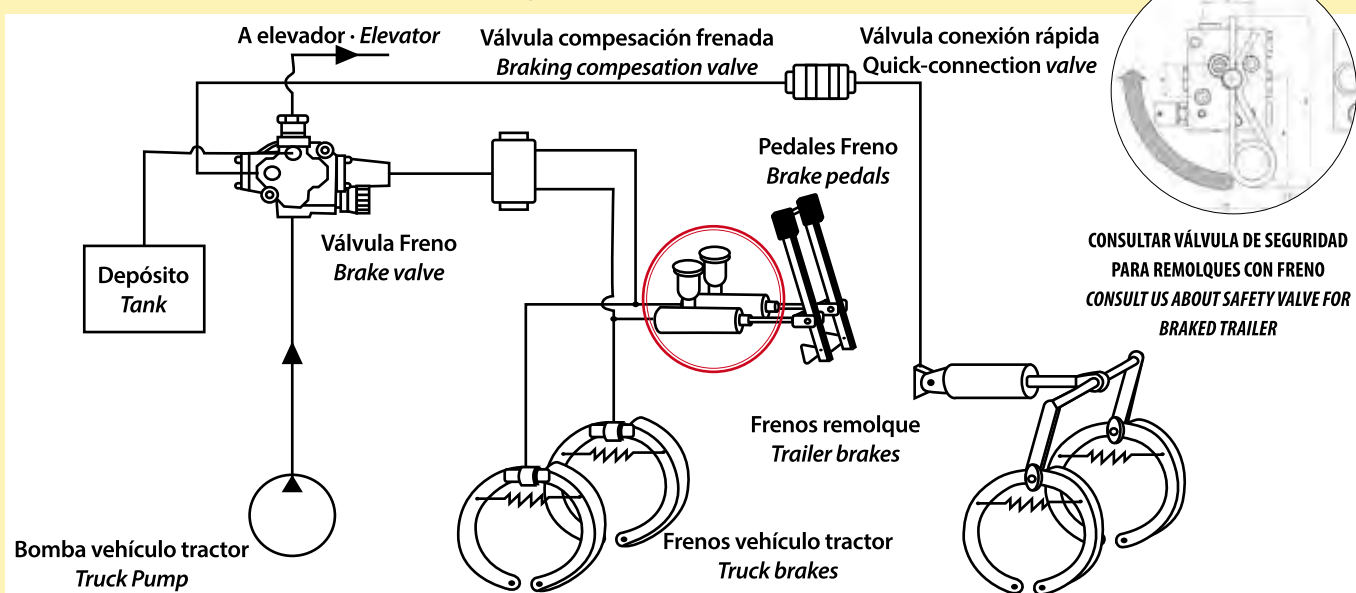
Part nº Referencia	STROKE (mm) CARRERA (mm)	DESCRIPTION DESCRIPCIÓN	PISTON ROD (mm) VASTAGO (mm)	€
<b>FRENO</b>	95	Freno remolque	25	<b>39,02</b>

## 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 ISO

ISO Cylinders  
Vérins ISO

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

D.A. cylinder-type F

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



Part nº Referencia	STROKE (mm) CARRERA (mm)	THREAD ROSCA	KG/100BAR KG/100 BAR	PISTON ROD (mm) VASTAGO (mm)	PISTON (mm) PISTÓN (mm)	€
DECC2032050	50	1/4" BSP	800	20	32 H9	80,40
DECC2032100	100	1/4" BSP	800	20	32 H9	82,59
DECC2032150	150	1/4" BSP	800	20	32 H9	84,80
DECC2032200	200	1/4" BSP	800	20	32 H9	87,00
DECC2032250	250	1/4" BSP	800	20	32 H9	89,20
DECC2032300	300	1/4" BSP	800	20	32 H9	91,40
DECC2540100	100	3/8" BSP	1250	25	40 H9	91,35
DECC2540150	150	3/8" BSP	1250	25	40 H9	94,61
DECC2540200	200	3/8" BSP	1250	25	40 H9	97,86
DECC2540250	250	3/8" BSP	1250	25	40 H9	101,12
DECC2540300	300	3/8" BSP	1250	25	40 H9	104,36
DECC2540400	400	3/8" BSP	1250	25	40 H9	110,87
DECC2540500	500	3/8" BSP	1250	25	40 H9	117,38
DECC3050100	100	3/8" BSP	1960	30	50 H9	111,12
DECC3050150	150	3/8" BSP	1960	30	50 H9	115,14
DECC3050200	200	3/8" BSP	1960	30	50 H9	119,15
DECC3050250	250	3/8" BSP	1960	30	50 H9	123,16
DECC3050300	300	3/8" BSP	1960	30	50 H9	127,18
DECC3050400	400	3/8" BSP	1960	30	50 H9	135,21
DECC3050500	500	3/8" BSP	1960	30	50 H9	143,23
DECC3050600	600	3/8" BSP	1960	30	50 H9	151,27
DECC3050700	700	3/8" BSP	1960	30	50 H9	159,29
DECC3050800	800	3/8" BSP	1960	30	50 H9	167,32
DECC3050900	900	3/8" BSP	1960	30	50 H9	175,34
DECC3060100	100	3/8" BSP	2820	30	60 H9	122,64
DECC3060150	150	3/8" BSP	2820	30	60 H9	114,70
DECC3060200	200	3/8" BSP	2820	30	60 H9	132,32
DECC3060250	250	3/8" BSP	2820	30	60 H9	137,16
DECC3060300	300	3/8" BSP	2820	30	60 H9	142,00
DECC3060350	350	3/8" BSP	2820	30	60 H9	134,10
DECC3060400	400	3/8" BSP	2820	30	60 H9	151,68
DECC3060450	450	3/8" BSP	2820	30	60 H9	156,52
DECC3060500	500	3/8" BSP	2820	30	60 H9	161,35
DECC3060600	600	3/8" BSP	2820	30	60 H9	171,03
DECC3060700	700	3/8" BSP	2820	30	60 H9	180,71
DECC4070200	200	3/8" BSP	3840	40	70 H9	162,29
DECC4070250	250	3/8" BSP	3840	40	70 H9	169,21
DECC4070300	300	3/8" BSP	3840	40	70 H9	176,15
DECC4070350	350	3/8" BSP	3840	40	70 H9	183,07
DECC4070400	400	3/8" BSP	3840	40	70 H9	190,01
DECC4070450	450	3/8" BSP	3840	40	70 H9	196,94
DECC4070500	500	3/8" BSP	3840	40	70 H9	203,86
DECC4070600	600	3/8" BSP	3840	40	70 H9	217,72
DECC4070700	700	3/8" BSP	3840	40	70 H9	231,58
DECC4080200	200	3/8" BSP	5020	40	80 H9	194,83
DECC4080250	250	3/8" BSP	5020	40	80 H9	202,53
DECC4080300	300	3/8" BSP	5020	40	80 H9	210,23
DECC4080350	350	3/8" BSP	5020	40	80 H9	217,93
DECC4080400	400	3/8" BSP	5020	40	80 H9	225,62
DECC4080500	500	3/8" BSP	5020	40	80 H9	241,02
DECC4080600	600	3/8" BSP	5020	40	80 H9	256,42
DECC4080700	700	3/8" BSP	5020	40	80 H9	271,81
DECC50100300	300	3/8" BSP	7850	50	100 H9	363,90
DECC50100400	400	3/8" BSP	7850	50	100 H9	402,99
DECC50100500	500	3/8" BSP	7850	50	100 H9	416,44
DECC50100700	700	3/8" BSP	7850	50	100 H9	475,22
DECC50100900	900	3/8" BSP	7850	50	100 H9	538,57
DECC70120500	500	1/2" BSP	11300	70	120 H9	917,30
DECC701201000	1000	1/2" BSP	11300	70	120 H9	1.228,92

# Cilindros ISO

ISO Cylinders  
Vérins ISO

Tanks, bellhousings,  
couplings and filtersPumps/gear flow  
dividers/multigear...

Mini power packs

Electric motors

Hydraulic valves

Hydraulic directional  
control valvesDirectional valves and  
subplatesJoysticks and  
directional valvesVacuum and heat  
exchangers

Hydraulic cylinders

## Cilindros D.E. Rótula agrícola

Agricultural ball-and-socket  
Rotule agricole



Part nº Referencia	STROKE (mm) CARRERA (mm)	THREAD ROSCA	KG/100BAR KG/100 BAR	PISTON ROD (mm) VASTAGO (mm)	PISTON (mm) PISTÓN (mm)	ØRT	€
DECC3050160CR19	160	3/8" BSP	1960	30	50 H9	19,4	<b>142,44</b>
DECC3050210CR19	210	3/8" BSP	1960	30	50 H9	19,4	<b>147,63</b>
DECC3050280CR19	280	3/8" BSP	1960	30	50 H9	19,4	<b>152,82</b>
DECC3050400CR19	400	3/8" BSP	1960	30	50 H9	19,4	<b>163,59</b>
DECC3050160CR25	160	3/8" BSP	1960	30	50 H9	25,4	<b>147,63</b>
DECC3050210CR25	210	3/8" BSP	1960	30	50 H9	25,4	<b>152,42</b>
DECC3050280CR25	280	3/8" BSP	1960	30	50 H9	25,4	<b>158,80</b>
DECC3050400CR25	400	3/8" BSP	1960	30	50 H9	25,4	<b>169,58</b>
DECC3565160CR25	160	3/8" BSP	3310	35	65 H9	25,4	<b>205,76</b>
DECC3565210CR25	210	3/8" BSP	3310	35	65 H9	25,4	<b>224,15</b>
DECC3565280CR25	280	3/8" BSP	3310	35	65 H9	25,4	<b>233,35</b>
DECC3565400CR25	400	3/8" BSP	3310	35	65 H9	25,4	<b>248,29</b>
DECC4080160CR25	160	3/8" BSP	5020	40	80 H9	25,4	<b>222,64</b>
DECC4080210CR25	210	3/8" BSP	5020	40	80 H9	25,4	<b>230,62</b>
DECC4080280CR25	280	3/8" BSP	5020	40	80 H9	25,4	<b>241,40</b>
DECC4080400CR25	400	3/8" BSP	5020	40	80 H9	25,4	<b>260,55</b>

## Rótulas para soldar en vástago

Ball-and-socket joint to weld in rod  
Rotules à souder sur tige



Part nº Referencia	ØRT	€
ROTV19	19	<b>17,24</b>
ROTV20	20	<b>17,24</b>
ROTV25	25	<b>22,42</b>
ROTV30	30	<b>28,16</b>
ROTV35	35	<b>32,19</b>
ROTV40	40	<b>59,77</b>

## Rótulas para soldar en culote

Ball-and-socket joint to weld in culotte  
Rotules à souder à l'arrière du verin



Part nº Referencia	ØRT	€
ROTC19	19	<b>16,67</b>
ROTC22	22	<b>16,67</b>
ROTC25	25	<b>21,27</b>
ROTC28	28	<b>28,16</b>
ROTC30	30	<b>28,16</b>
ROTC35	35	<b>32,76</b>

## Horquillas para soldar

Yoke to weld  
Fourche à souder



Part nº Referencia	DIAMETER (mm) DIÁMETRO (mm)	€
HOR16	16 H9	<b>16,09</b>
HOR20	20 H9	<b>19,54</b>
HOR25	25 H9	<b>29,89</b>
HOR30	30 H9	<b>52,88</b>
HOR35	35 H9	<b>82,76</b>

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Consulte nuestra gama de accesorios para cilindros

See our range of accessories for cylinders



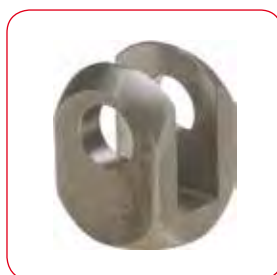
ROTC



\*



ROTV



HOR



**Cilindros Simple Efecto**  
*Single Acting Cylinders*



**Cilindros Doble Efecto**  
*Double Acting Cylinders*



\*



ROTV



\*



HOR



\*

\*Consultar disponibilidad

\*Enquire us.



Línea  
Range  
Gamme





**Accesorios Depósitos, Filtros / Bombas / Motores**

*Tank Accessories, Filters / Pumps / Motors*  
Accessoires Réservoirs, Filtres / Pompes / Moteurs

1

**Distribuidores / Empuñaduras y Selectoras**

*Control Valves / Joysticks and Directional Control Valves*  
Distributeurs / Poignées et Déviateurs

2

**Válvulas Hidráulicas**

*Hydraulic Valves*  
Valves Hydrauliques

3

**Electroválvulas**

*Directional Valves*  
Électro-distributeurs

4

**Mini-centrales hidráulicas**

*Hydraulic Mini Power Packs*  
Minicentrales hydrauliques

5

**Presostatos / Intercambiadores**

*Pressure Switches/Heating Interchangers*  
Pressostats/Échangeurs de chaleur

6

**Motores Hidráulicos Lentos**

*Hydraulic Motors*  
Moteurs Hydrauliques

7

# Accesorios, Depósitos, Filtros / Bombas / Motores eléctricos

*Accessories, Tanks, Filters / Pumps / Electric motors*

*Accessoires, Réservoirs, Filtres / Pompes / Moteurs électriques*

## **Accesorios Depósitos**

*Tank Accessories*

*Accessoires Réservoirs*

**180**

## **Filtros**

*Filters*

*Filtres*

**181**

## **Bombas manuales**

*Hydraulic hand pumps*

*Pompes hydrauliques à main*

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## **Bombas de engranajes**

*Gear Pumps*

*Pompes à engrenages*

**185**

## **Motores eléctricos**

*Electric motors*

*Moteurs électriques*

**189**



1

# Accesorios Depósitos

Tank Accessories  
Accessoires Réservoirs

Control Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Tapón de llenado



Filler Breather  
Bouchon de remplissage

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>TT5C40</b>	Mini 40 µ	<b>9,01</b>
<b>TT8C101</b>	Normal 10 µ	<b>15,87</b>
<b>TT8C401</b>	Normal 40 µ	<b>13,20</b>

## Tapón desvaporizador



Filling plug with breather  
Bouchon reniflard

Part nº Referencia	THREAD ROSCA	€
<b>TDT4</b>	1/4" BSP	<b>7,38</b>
<b>TDT6</b>	3/8" BSP	<b>7,38</b>
<b>TDT8</b>	1/2" BSP	<b>7,38</b>
<b>TDT12</b>	3/4" BSP	<b>13,25</b>
<b>TDT16</b>	1" BSP	<b>15,61</b>

## Niveles



Level gauges  
Indicateurs de niveau

Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	DESCRIPTION DESCRIPCIÓN	€
<b>NT-1</b>	M10	76	Sin termómetro	<b>13,25</b>
<b>NT-1 M12</b>	M12	76	Sin termómetro	<b>13,25</b>
<b>NT-2</b>	M12	127	Sin termómetro	<b>14,40</b>
<b>NT-3</b>	M12	254	Sin termómetro	<b>22,63</b>
<b>NT-1-T</b>	M10	76	Con termómetro	<b>15,61</b>
<b>NT-1-T M12</b>	M12	76	Con termómetro	<b>15,61</b>
<b>NT-2-T</b>	M12	127	Con termómetro	<b>16,76</b>
<b>NT-3-T</b>	M12	254	Con termómetro	<b>24,99</b>

## Visor aluminio BSP



BSP Aluminium sight  
Voyant de niveau aluminium BSP

Part nº Referencia	THREAD ROSCA	€
<b>NTL4G</b>	3/4" BSP	<b>3,72</b>
<b>NTL5G</b>	1" BSP	<b>5,08</b>
<b>NTL6G</b>	1"1/4 BSP	<b>5,87</b>
<b>NTL7G</b>	1"1/2 BSP	<b>7,02</b>

Hasta fin de existencias. / Until end of stock. / Jusqu'à la fin du stock.

# Filtros

Filters  
Filtres

## Filtro aspiración

Suction filter  
Crepine d'aspiration



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	MAX. FLOW (l/min) CAUDAL MÁX.	€
<b>FITS10T149</b>	3/8" BSP	Metálico 149 µ	12	<b>7,80</b>
<b>FITS11T149</b>	1/2" BSP	Metálico 149 µ	20	<b>8,17</b>
<b>FITS20T149</b>	3/4" BSP	Metálico 149 µ	28	<b>10,95</b>
<b>FITS21T149</b>	1" BSP	Metálico 149 µ	40	<b>12,10</b>
<b>FITS31T149</b>	1 1/4" BSP	Metálico 149 µ	60	<b>16,76</b>
<b>FITS32T149</b>	1 1/2" BSP	Metálico 149 µ	80	<b>19,12</b>
<b>FITS33T149</b>	1 1/2" BSP	Metálico 149 µ	120	<b>21,05</b>
<b>FITS34T149</b>	2" BSP	Metálico 149 µ	160	<b>24,99</b>
<b>FITS35T149</b>	2" BSP	Metálico 149 µ	200	<b>28,07</b>
<b>FITS42T149</b>	2 1/2" BSP	Metálico 149 µ	300	<b>42,71</b>
<b>FITS43T149</b>	3" BSP	Metálico 149 µ	600	<b>65,04</b>

## Filtro en línea (Carcasa)

Head Line Filter  
Filtre en ligne (tête)



Part nº Referencia	THREAD ROSCA	CARTRIDGE CARTUCHO	€
<b>FITA10/11A</b>	3/4" BSP	SPA-1-10	<b>19,12</b>
<b>FITA20/21A</b>	1 1/4" BSP	SPA-1-20	<b>34,36</b>
<b>FITA10/11R</b>	3/4" BSP	SPA-1-11	<b>19,12</b>
<b>FITA20/21R</b>	1 1/4" BSP	SPA-1-21	<b>34,36</b>

A=Aspiración; R=Retorno / A=Intake; R=Pressure / A=Aspiration; R=Refoulement

## Filtro en línea (Cartucho)

Cartridge Line Filter  
Filtre en ligne (cartouche)



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	MAX. FLOW (l/min) CAUDAL MÁX.	€
<b>FITCA10C10</b>	Cartón 10 µ	100	<b>18,59</b>
<b>FITCA11C10</b>	Cartón 10 µ	100	<b>23,61</b>
<b>FITCA10C25</b>	Cartón 25 µ	100	<b>18,59</b>
<b>FITCA11C25</b>	Cartón 25 µ	100	<b>23,61</b>
<b>FITCA10T125</b>	Metálico 125 µ	100	<b>27,71</b>
<b>FITCA11T125</b>	Metálico 125 µ	100	<b>35,09</b>
<b>FITCA20C10</b>	Cartón 10 µ	300	<b>32,26</b>
<b>FITCA20C25</b>	Cartón 25 µ	300	<b>32,26</b>
<b>FITCA21C10</b>	Cartón 10 µ	300	<b>46,84</b>
<b>FITCA21C25</b>	Cartón 25 µ	300	<b>46,84</b>
<b>FITCA20T125</b>	Metálico 125 µ	300	<b>82,58</b>
<b>FITCA21T125</b>	Metálico 125 µ	300	<b>103,46</b>

## Filtro de retorno semisumergido (Cabeza)

Return filter semi-submerged (head)  
Filtre retour semi-immersé (tête)



Part nº Referencia	THREAD ROSCA	CARTRIDGE CARTUCHO	€
<b>FITR10</b>	1/2" BSP	FITCR10	<b>25,77</b>
<b>FITR21</b>	3/4" BSP	FITCR20	<b>35,09</b>
<b>FITR23</b>	1" BSP	FITCR22	<b>35,09</b>
<b>FITR40</b>	1" BSP	FITCR40	<b>90,15</b>

# Filtros

Filters  
Filtres

Control Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Filtro de retorno semisumergido (Cartucho)



*Return filter semi-submerged (cartridge)*  
Filtre retour semi-immérgé (cartouche)

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	MAX. FLOW (l/min) CAUDAL MÁX.	€
<b>FITCR10C10B</b>	Cartón 10 µ	50	<b>7,38</b>
<b>FITCR20C10B</b>	Cartón 10 µ	100	<b>10,53</b>
<b>FITCR22C10B</b>	Cartón 10 µ	100	<b>12,89</b>
<b>FITCR10C25B</b>	Cartón 25 µ	50	<b>7,38</b>
<b>FITCR20C25B</b>	Cartón 25 µ	100	<b>10,53</b>
<b>FITCR22C25B</b>	Cartón 25 µ	100	<b>12,89</b>
<b>FITCR40C10B</b>	Cartón 10 µ	250	<b>22,68</b>
<b>FITCR40C25B</b>	Cartón 25 µ	250	<b>22,68</b>



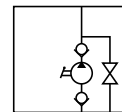
# Bombas manuales

Hydraulic hand pumps  
Pompes hydrauliques à main

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



Hydraulic hand pump Single Act., with lever for apart tank  
Pompe man.S.E., avec levier pour réservoir apart

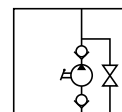


Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /REV	€
<b>BMT20</b>	1/2" BSP	250	20	<b>134,64</b>

## Bomba manual S.E. con palanca



Hydraulic hand pump Single Act., and lever  
Pompe man.S.E., et levier

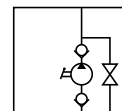


Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /REV	€
<b>BMTSE12</b>	3/8" BSP	320	12	<b>123,42</b>
<b>BMTSE25</b>	3/8" BSP	250	25	<b>123,42</b>
<b>BMTSE45</b>	3/8" BSP	160	45	<b>179,52</b>

## 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



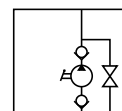
Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /REV	€
<b>BMTSE25F</b>	3/8" BSP	250	25	<b>129,03</b>

PARA OTROS CUBICAJES, CONSULTAR DISPONIBILIDAD / PARA OTROS CUBICAJES, CONSULTAR DISPONIBILIDAD / PARA OTROS CUBICAJES, CONSULTAR DISPONIBILIDAD

## Bomba manual S.E. con palanca, fuelle y depósito 5L



Hydraulic hand pump Single Act., with lever, bellows and tank  
Pompe man.S.E., avec levier, soufflet et réservoir



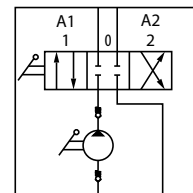
Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /REV	€
<b>BMTSE25F05</b>	3/8" BSP	250	25	<b>162,69</b>

PARA OTROS CUBICAJES, CONSULTAR DISPONIBILIDAD / PARA OTROS CUBICAJES, CONSULTAR DISPONIBILIDAD / PARA OTROS CUBICAJES, CONSULTAR DISPONIBILIDAD

## Bomba manual D.E. con palanca



Hydraulic hand pump Doble Act., and lever  
Pompe man.D.E., et levier



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /REV	€
<b>BMTDE12</b>	3/8" BSP	320	12	<b>134,64</b>
<b>BMTDE25</b>	3/8" BSP	250	25	<b>134,64</b>
<b>BMTDE45</b>	3/8" BSP	160	45	<b>179,52</b>

# Bombas manuales

*Hydraulic hand pumps*  
Pompes hydrauliques à main

## Palanca para bombas manuales

*Lever for manual pumps*  
Lever pour pompes manuelles



Part nº Referencia	€
<b>LV27X540</b>	<b>16,50</b>

## Depósitos de hierro para bombas manuales



Part nº Referencia	TANK DEPÓSITO	€
<b>DHBMT01</b>	1	<b>39,27</b>
<b>DHBMT02</b>	2	<b>44,88</b>
<b>DHBMT03</b>	3	<b>44,88</b>
<b>DHBMT05</b>	5	<b>50,49</b>
<b>DHBMT07</b>	7	<b>61,71</b>
<b>DHBMT10</b>	10	<b>72,93</b>

# Bombas de engranajes

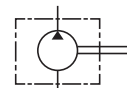
Gear Pumps

Pompes à engrenages

## Tapa eur/eje cónico 1:8 Roscada Gr.I



Eur.cover/Threaded fl./Conical 1:8 Gr.I  
Couverture eur./Br.taraudée/Conique.1:8 Gr.I



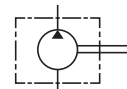
RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
BTD111D01	BTD111I01	3/8" BSP	3/8" BSP	250	300	6000	1,1	105,93
BTD116D01	BTD116I01	3/8" BSP	3/8" BSP	250	300	6000	1,6	105,93
BTD118D01	BTD118I01	3/8" BSP	3/8" BSP	250	300	6000	1,8	105,93
BTD127D01	BTD127I01	3/8" BSP	3/8" BSP	250	300	6000	2,7	105,93
BTD132D01	BTD132I01	3/8" BSP	3/8" BSP	250	300	5000	3,2	110,55
BTD137D01	BTD137I01	3/8" BSP	3/8" BSP	250	300	4500	3,7	110,55
BTD148D01	BTD148I01	3/8" BSP	3/8" BSP	200	250	4000	4,8	110,55
BTD158D01	BTD158I01	1/2" BSP	3/8" BSP	200	250	3500	5,8	110,55
BTD163D01	BTD163I01	1/2" BSP	3/8" BSP	200	250	2900	6,3	110,55
BTD180D01	BTD180I01	1/2" BSP	3/8" BSP	200	250	2100	8	110,55

BTD...D=Giro derecha; BTD...I=Giro izquierda / BTD...D=Right; BTD...I=Left / BTD...D=Droite; BTD...I=Gauche

## Tapa eur/eje cónico 1:8 brida Bosch Gr.I



Eur.Cover/Bosch fl./Conical 1:8 Gr.I  
Couverture eur./Br.Bosch/Conique 1:8 Gr.I



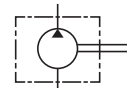
RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
BTD107D03	BTD107I03	30	30	250	30	300	6000	0,7	105,93
BTD111D03	BTD111I03	30	30	250	30	300	6000	1,1	105,93
BTD116D03	BTD116I03	30	30	250	30	300	6000	1,6	105,93
BTD118D03	BTD118I03	30	30	250	30	300	6000	1,8	105,93
BTD127D03	BTD127I03	30	30	250	30	300	6000	2,7	105,93
BTD132D03	BTD132I03	30	30	250	30	300	6000	3,2	110,55
BTD137D03	BTD137I03	30	30	250	30	300	5000	3,7	110,55
BTD148D03	BTD148I03	30	30	200	30	250	4000	4,8	110,55
BTD158D03	BTD158I03	30	30	200	30	250	3500	5,8	110,55
BTD163D03	BTD163I03	30	30	200	30	250	2900	6,3	110,55
BTD180D03	BTD180I03	30	30	200	30	250	2100	8	110,55

BTD...D=Giro derecha; BTD...I=Giro izquierda / BTD...D=Right; BTD...I=Left / BTD...D=Droite; BTD...I=Gauche

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



Eur.Cover/Threaded Fl./Conical 1:8 Gr.II  
Couverture eur./Br.Taraudée/Conique 1:8 Gr.II



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
BTD240D01	BTD240I01	1/2" BSP	1/2" BSP	250	300	3500	4	147,48
BTD260D01	BTD260I01	1/2" BSP	1/2" BSP	250	300	3500	6	147,48
BTD280D01	BTD280I01	1/2" BSP	1/2" BSP	250	300	3500	8	147,48
BTD2120D01	BTD2120I01	1/2" BSP	1/2" BSP	250	300	3500	12	152,09
BTD2140D01	BTD2140I01	1/2" BSP	1/2" BSP	250	300	3500	14	152,09
BTD2160D01	BTD2160I01	3/4" BSP	1/2" BSP	250	300	3500	16	152,09
BTD2200D01	BTD2200I01	3/4" BSP	1/2" BSP	250	300	3500	20	152,09
BTD2230D01	BTD2230I01	3/4" BSP	1/2" BSP	200	250	3000	23	156,71
BTD2250D01	BTD2250I01	3/4" BSP	1/2" BSP	200	250	3000	25	156,71
BTD2280D01	BTD2280I01	3/4" BSP	1/2" BSP	160	200	3000	28	156,71
BTD2300D01	BTD2300I01	3/4" BSP	1/2" BSP	160	200	3000	30	156,71

BTD...D=Giro derecha; BTD...I=Giro izquierda / BTD...D=Right; BTD...I=Left / BTD...D=Droite; BTD...I=Gauche

# Bombas de engranajes

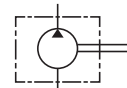
Gear Pumps

Pompes à engrenages

## Tapa eur/eje cónico 1:8 brida standard europea Gr. II

Eur.Cover/Eur.Stand.Fl./Conical 1:8 Gr.II

Couverture eur./Br.Standard Eur./Conique 1:8 Gr.II



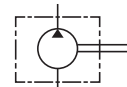
RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
BTD240D02	BTD240I02	30	30	250	300	3500	4	147,48
BTD260D02	BTD260I02	30	30	250	300	3500	6	147,48
BTD280D02	BTD280I02	30	30	250	300	3500	8	147,48
BTD2120D02	BTD2120I02	30	30	250	300	3500	12	152,09
BTD2140D02	BTD2140I02	40	30	250	300	3500	14	152,09
BTD2160D02	BTD2160I02	40	30	250	280	3500	16	152,09
BTD2200D02	BTD2200I02	40	30	250	280	3500	20	152,09
BTD2230D02	BTD2230I02	40	30	200	250	3000	23	156,71
BTD2250D02	BTD2250I02	40	30	200	250	3000	25	156,71
BTD2280D02	BTD2280I02	40	30	160	200	3000	28	156,71
BTD2300D02	BTD2300I02	40	30	160	200	3000	30	156,71

BTD...D=Giro derecha; BTD...I=Giro izquierda / BTD...D=Right; BTD...I=Left / BTD...D=Droite; BTD...I=Gauche

## Tapa Bosch/eje cónico 1:5 brida Bosch Gr. II

Bosch Cov./Bosch Fl./Conical 1:5 Gr.II

Couverture Bosch/Br.Bosch/Conique 1:5 Gr.II



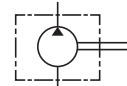
RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
BTD260D04	BTD260I04	40	35	250	300	3500	6	147,48
BTD280D04	BTD280I04	40	35	250	300	3500	8	147,48
BTD2120D04	BTD2120I04	40	35	250	300	3500	12	152,09
BTD2140D04	BTD2140I04	40	35	250	300	3500	14	152,09
BTD2160D04	BTD2160I04	40	35	250	300	3500	16	152,09
BTD2200D04	BTD2200I04	40	35	250	300	3500	20	152,09
BTD2230D04	BTD2230I04	40	35	200	250	3000	23	156,71
BTD2250D04	BTD2250I04	40	35	200	250	3000	25	156,71

BTD...D=Giro derecha; BTD...I=Giro izquierda / BTD...D=Right; BTD...I=Left / BTD...D=Droite; BTD...I=Gauche

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

Eur.Cover/Threaded fl./Conical 1:8 Gr.III

Eur.Couverture/Br.Tarauté/Conique 1:8 Gr.III



RIGHT TURN GIRO DCHA.	LEFT TURN GIRO IZDA.	THREAD ROSCA		MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
BTD3220D01	BTD3220I01	3/4" BSP	3/4" BSP	200	250	3000	22	235,42
BTD3260D01	BTD3260I01	1" BSP	3/4" BSP	200	250	3000	26	235,42
BTD3280D01	BTD3280I01	1" BSP	3/4" BSP	200	250	3000	28	235,42
BTD3320D01	BTD3320I01	1" BSP	3/4" BSP	200	250	3000	32	235,42
BTD3360D01	BTD3360I01	1" BSP	3/4" BSP	200	250	3000	36	240,04
BTD3420D01	BTD3420I01	1" BSP	3/4" BSP	200	250	2800	42	240,04
BTD3460D01	BTD3460I01	1" BSP	3/4" BSP	200	250	2400	46	240,04
BTD3500D01	BTD3500I01	1" BSP	3/4" BSP	200	250	2400	50	240,04
BTD3550D01	BTD3550I01	1" BSP	3/4" BSP	200	250	2400	55	240,04

BTD...D=Giro derecha; BTD...I=Giro izquierda / BTD...D=Right; BTD...I=Left / BTD...D=Droite; BTD...I=Gauche

# Bombas de engranajes

Gear Pumps

Pompes à engrenages

Tank Accessories,  
Filters / Pumps / Motors

Control Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
Packs

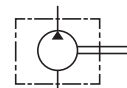
Pressure Switches/  
Heating Interchangers

Hydraulic Motors



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

Eur.Cover/Eur. fl./Conical 1:8 Gr.III  
Eur.Couverture/Br.Eur./Conique 1:8 Gr.III



RIGHTTURN GIRO DCHA.	LEFTTURN GIRO IZDA.	Ø ASPIRATION (mm) Ø ASPIRACIÓN (mm)	Ø PRESSURE (mm) Ø PRESIÓN (mm)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	R.P.M.	CM <sup>3</sup> /REV	€
<b>BTD3220D02</b>	<b>BTD3220I02</b>	40	40	200	250	3000	22	<b>235,42</b>
<b>BTD3260D02</b>	<b>BTD3260I02</b>	40	40	200	250	3000	26	<b>235,42</b>
<b>BTD3280D02</b>	<b>BTD3280I02</b>	40	40	200	250	3000	28	<b>235,42</b>
<b>BTD3340D02</b>	<b>BTD3340I02</b>	50	40	200	250	3000	34	<b>235,42</b>
<b>BTD3390D02</b>	<b>BTD3390I02</b>	50	40	200	250	3000	39	<b>240,04</b>
<b>BTD3430D02</b>	<b>BTD3430I02</b>	50	40	200	250	2800	43	<b>240,04</b>
<b>BTD3460D02</b>	<b>BTD3460I02</b>	50	40	200	250	2400	46	<b>240,04</b>
<b>BTD3510D02</b>	<b>BTD3510I02</b>	50	40	200	250	2400	51	<b>240,04</b>
<b>BTD3550D02</b>	<b>BTD3550I02</b>	50	40	200	250	2400	55	<b>240,04</b>

BTD...D=Giro derecha; BTD...I=Giro izquierda / BTD...D=Right; BTD...I=Left / BTD...D=Droite; BTD...I=Gauche

## Kit juntas Bomba BTD

BTD pump joints kit  
Kit joints pompe BTD



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>JRBD1-N</b>	PARA GRUPO 1 ALTA PRES.TRALE	<b>9,73</b>
<b>JRBD2-N</b>	PARA GRUPO 2 ALTA PRES. TRALE	<b>9,73</b>
<b>JRBD3</b>	PARA GRUPO 3. TRALE	<b>6,49</b>

## 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



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	Ø	€
<b>RP901038M</b>	3/8" BSP	M6X20* (x3)	30	*
<b>RP901012M</b>	1/2" BSP	M6X20* (x3)	30	*
<b>RP902012M</b>	1/2" BSP	M8X25* (x3)	40	*
<b>RP902034M</b>	3/4" BSP	M8X25* (x3)	40	*
<b>RP903A034M</b>	3/4" BSP	M10X30* (x3)	51	*
<b>RP903A100M</b>	1" BSP	M10X30* (x3)	51	*

\*Ver precios en pág. 42 (Programa hidráulico) / \*See prices in page 42 (Hydraulic Program) / \*Voir les prix à la page 42 (Programme hydraulique)

# BOMBAS DE ENGRANAJE · GEAR PUMPS

CÓMO PEDIR · HOW TO ORDER

## BTD

1

11

D

01

1

2

3

4

1

GRUPO | GROUP

3

GIRO | TURN

1

GR. 1

2

GR. 2

3

GR. 3

D

DERECHA | RIGHT

I

IZQUIERDA | LEFT

2

CUBICAJE | FLOW

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   COVER	EUR.	EUR.	EUR.	BOSCH
EJE   SHAFT	CÓNICO   CONICAL 1:8	CÓNICO   CONICAL 1:8	CÓNICO   CONICAL 1:8	CÓNICO   CONICAL 1:5
BRIDA   FLANGE	ROSCADA   THREADED	STD EUROPEA   STD EUROPEAN	BOSCH	BOSCH
GR. 1	A: 13   B: 2.4   C: 10   D: 8 		A: 13   B: 2.4   C: 10   D: 8 	
	GR. 2	A: 16   B: 3.2   C: 17   D: 15 	A: 16   B: 3.2   C: 17   D: 15 	
GR. 3		A: 19   B: 4   C: 22   D: 19 	A: 19   B: 4   C: 22   D: 19 	

# Motores eléctricos

Electric motors

Moteurs électriques

Tank Accessories,  
Filters / Pumps / Motors

Control Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
Packs

Pressure Switches/  
Heating Interchangers

Hydraulic Motors

## Motor trifásico con brida+patas (B3B5)



Electric motors triphase with flange and legs (B3B5)  
Moteurs triphase avec bride+patas (B3B5)

Part nº Referencia	EJE	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MET0.25B3B5 H</b>	11	IE2	220/380	140	1500	0,25	<b>120,18</b>
<b>MET0.33B3B5 H</b>	14	IE2	220/380	160	1500	0,33	<b>143,65</b>
<b>MET0.5B3B5 H</b>	14	IE2	220/380	160	1500	0,5	<b>137,49</b>
<b>MET0.75B3B5 H</b>	19	IE2	220/380	200	1500	0,75	<b>175,99</b>
<b>MET1B3B5 H</b>	19	IE2	220/380	200	1500	1	<b>225,52</b>
<b>MET1.5B3B5 H</b>	24	IE2	220/380	200	1500	1,5	<b>294,02</b>
<b>MET2B3B5 H</b>	24	IE2	220/380	200	1500	2	<b>318,29</b>
<b>MET3B3B5 H</b>	28	IE2	220/380	250	1500	3	<b>418,02</b>
<b>MET4B3B5 H</b>	28	IE2	220/380	250	1500	4	<b>464,22</b>
<b>MET5.5B3B5 H</b>	28	IE2	220/380	250	1500	5,5	<b>563,21</b>
<b>MET7.5B3B5 H</b>	38	IE2	220/380	300	1500	7,5	<b>795,69</b>
<b>MET10B3B5 H</b>	38	IE2	220/380	300	1500	10	<b>902,81</b>
<b>MET20B3B5 H</b>	42	IE2	400/690	350	1500	20	<b>1.545,83</b>
<b>MET30B3B5 H</b>	48	IE2	400/690	350	1500	30	<b>2.318,85</b>

## Motor trifásico con brida B14



Electric motors triphase with flange B14  
Moteurs triphase avec bride B14

Part nº Referencia	EJE	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MET0.5B14 H</b>	14	IE2	220/380	1500	0,5	<b>127,13</b>
<b>MET1B14 H</b>	19	IE2	220/380	1500	1	<b>208,52</b>
<b>MET2B14 H</b>	24	IE2	220/380	1500	2	<b>294,30</b>
<b>MET3B14 H</b>	28	IE2	220/380	1500	3	<b>386,52</b>
<b>MET4B14 H</b>	28	IE2	220/380	1500	4	<b>429,23</b>
<b>MET5.5B14 H</b>	28	IE2	220/380	1500	5,5	<b>520,77</b>

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



Electrical motors H.T. single-phase with flange and legs (B3B5)  
Moteurs monophasés H.C. avec bride+patas (B3B5)

Part nº Referencia	EJE	VOLTAGE (V) VOLTAJE (V)	FLANGE DIAM. (mm) DIAMETRO BRIDA (mm)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MEMAP0.33B3B5 H</b>	14	220/50	200	1500	0,33	<b>156,09</b>
<b>MEMAP0.5B3B5 H</b>	14	220/50	200	1500	0,5	<b>178,33</b>
<b>MEMAP0.75B3B5 H</b>	19	220/50	200	1500	0,75	<b>241,10</b>
<b>MEMAP1B3B5 H</b>	19	220/50	200	1500	1 CV	<b>263,89</b>
<b>MEMAP1.5B3B5 H</b>	19	220/50	200	1500	0,5 CV	<b>329,62</b>
<b>MEMAP2B3B5 H</b>	24	220/50	200	1500	2 CV	<b>387,83</b>
<b>MEMAP3B3B5 H</b>	24	220/50	200	1500	3 CV	<b>464,96</b>

## Motor monofásico A.P. con brida B14



Electrical motors H.T. single-phase with B14 flange  
Moteurs monophasés H.C. avec bride B14

Part nº Referencia	EJE	VOLTAGE (V) VOLTAJE (V)	R.P.M.	POWER (HP) POTENCIA (CV)	€
<b>MEMAP0.5B14 H</b>	14	220/50	1500	0,5 HP	<b>164,89</b>
<b>MEMAP1B14 H</b>	19	220/50	1500	1 CV	<b>244,00</b>
<b>MEMAP1.5B14 H</b>	24	220/50	1500	1,5 CV	<b>304,78</b>
<b>MEMAP2B14 H</b>	24	220/50	1500	2 CV	<b>358,60</b>
<b>MEMAP3B14 H</b>	28	220/50	1500	3 CV	<b>429,91</b>

# Distribuidores / Empuñaduras y Selectoras

*Directional control valves / Joysticks and Directional valves*

Distributeurs / Poignées et Sélecteurs

## **Distribuidores**

*Control Valves*  
Distributeurs

**192**

## **Empuñaduras**

*Joysticks*  
Poignées

**204**

## **Selectoras**

*Directional Valves*  
Déviateurs

**205**



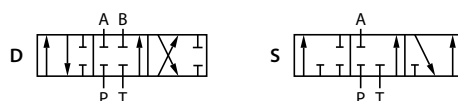


2

# Distribuidores

Control Valves  
Distributeurs

Doble efecto / Double acting    Simple efecto / Single acting



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

Control valve 3/8 BSP, 45L/MIN, lever operator and spring return to center. Relief valve  
Distributeur 3/8 BSP, 45L/min, commande manuelle, action par ressort. Limit. press.



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	LEVERS Nº PALANCAS	€
YFM35/1 3/8 1P DE	3/8" BSP	45	315	1	155,36
YFM35/1 3/8 1P SE	3/8" BSP	45	315	1	172,30
YFM35/2 3/8 2P DD	3/8" BSP	45	315	2	247,38
YFM35/2 3/8 2P DS	3/8" BSP	45	315	2	269,71
YFM35/3 3/8 3P DDD	3/8" BSP	45	315	3	339,28
YFM35/3 3/8 3P DDS	3/8" BSP	45	315	3	346,24
YFM35/4 3/8 4P DDDD	3/8" BSP	45	315	4	431,91
YFM35/5 3/8 5P DDDDD	3/8" BSP	45	315	5	545,39
YFM35/6 3/8 6P DDDDDD	3/8" BSP	45	315	6	615,59

Distribuidor corredera motor enclavado. / Control valve, locked motor spool. / Distributeur, tiroir moteur cranté.

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

Control valve 1/2 BSP, 60L/min, lever operator and spring return to center. Relief valve  
Distributeur 1/2 BSP, 60L/min, commande manuelle, action par ressort. Limit. press.



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	LEVERS Nº PALANCAS	€
YFM55/1 1/2 1P DE	1/2" BSP	60	315	1	180,47
YFM55/1 1/2 1P SE	1/2" BSP	60	315	1	185,61
YFM55/2 1/2 2P DD	1/2" BSP	60	315	2	284,96
YFM55/2 1/2 2P DS	1/2" BSP	60	315	2	302,10
YFM55/2 1/2 2P SS	1/2" BSP	60	315	2	302,10
YFM55/3 1/2 3P DDD	1/2" BSP	60	315	3	388,29
YFM55/3 1/2 3P DDS	1/2" BSP	60	315	3	408,33
YFM55/4 1/2 4P DDDD	1/2" BSP	60	315	4	493,08
YFM55/5 1/2 5P DDDDD	1/2" BSP	60	315	5	596,89
YFM55/6 1/2 6P DDDDDD	1/2" BSP	60	315	6	754,18

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

Control valve 1/2 BSP, 80L/min, lever operator and spring return to center. Relief valve  
Distributeur 1/2 BSP, 80L/min, commande manuelle, action par ressort. Limit. press.



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	LEVERS Nº PALANCAS	€
YFM80/1 1/2 1P DE	1/2" BSP	80	250	1	187,55
YFM80/1 1/2 1P SE	1/2" BSP	80	250	1	187,55
YFM80/2 1/2 2P DD	1/2" BSP	80	250	2	278,30
YFM80/2 1/2 2P DS	1/2" BSP	80	250	2	278,30
YFM80/3 1/2 3P DDD	1/2" BSP	80	250	3	381,15
YFM80/4 1/2 4P DDDD	1/2" BSP	80	250	4	471,90
YFM80/5 1/2 5P DDDDD	1/2" BSP	80	250	5	574,75
YFM80/6 1/2 6P DDDDDD	1/2" BSP	80	250	6	695,75

# Distribuidores

Control Valves  
Distributeurs

Tank Accessories, Filters  
/ Pumps / Motors

Control Valves/Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic/Mini Power  
Packs

Pressure Switches/  
Heating Interchangers

Hydraulic Motors

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



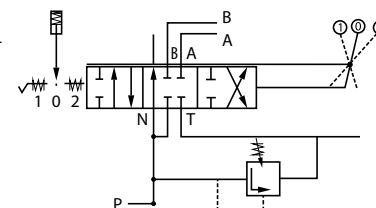
Control valve 1 BSP, 120L/min, lever operator and spring return to center. Relief valve  
Distributeur 1 BSP, 120L/min, commande manuelle, action par ressort. Limit. press.

Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	LEVERS Nº PALANCAS	€
<b>YFM120/1 1 1P DE</b>	1" BSP	120	250	1	<b>399,30</b>
<b>YFM120/1 1 1P SE</b>	1" BSP	120	250	1	<b>399,30</b>
<b>YFM120/2 1 2P DD</b>	1" BSP	120	250	2	<b>556,60</b>
<b>YFM120/2 1 2P DS</b>	1" BSP	120	250	2	<b>556,60</b>

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



Control valve 1BSP, 80L/min - wood cutter double acting  
Distributeur 1 BSP, 80L/min, fendeuse à bois double effet

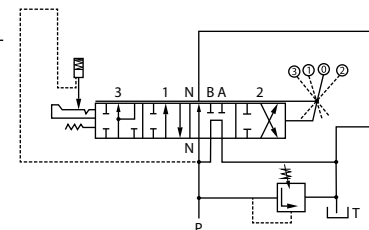


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€	
<b>YFM80/1DECL</b>	1/2" BSP	3/4" BSP	80	250	<b>193,60</b>

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



Control valve 1BSP, 80L/min - wood cutter regenerative type  
Distributeur 1 BSP, 80L/min, fendeuse à bois type regeneratif



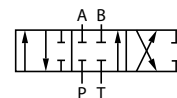
Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€	
<b>YFM80/1DECL4P</b>	1/2" BSP	3/4" BSP	80	250	<b>242,00</b>

# Distribuidores

Control Valves  
Distributeurs

## Corredera doble efecto YFM

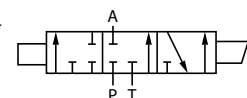
Double acting spool YFM  
Tiroir double effet YFM



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35CORDE</b>	YFM 35	<b>33,34</b>
<b>YFM55CORDE</b>	YFM 55	<b>35,92</b>

## Corredera simple efecto YFM

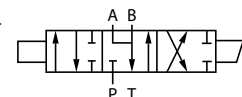
Single acting spool  
Tiroir simple effet



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35CORSE</b>	YFM 35	<b>47,37</b>
<b>YFM55CORSE</b>	YFM 55	<b>36,94</b>

## Corredera motor YFM

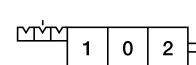
Motor spool YFM  
Tiroir moteur YFM



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35CORM</b>	YFM 35	<b>41,32</b>
<b>YFM55CORM</b>	YFM 55	<b>35,92</b>

## Enclavamiento 3 posiciones

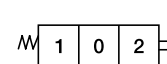
3 positions detented spool control  
Crantage 3 positions



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35001</b>	YFM 35	<b>28,50</b>
<b>YFM55001</b>	YFM 55	<b>28,50</b>

## Accionamiento muelle standard

Standard spring spool control  
Actionnement ressort standard



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35002</b>	YFM 35	<b>17,73</b>
<b>YFM55002</b>	YFM 55	<b>16,26</b>

# Distribuidores

Control Valves  
Distributeurs

Tank Accessories, Filters  
/ Pumps / Motors

Control Valves/Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

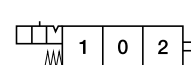
Hydraulic/Mini Power  
Packs

Pressure Switches/  
Heating Interchangers

Hydraulic Motors

## Accionamiento 3 posiciones enclavado central muelle

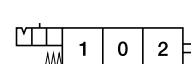
3 positions spool control locked  
Actionnement 3 positions cranté centre ressort



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35003</b>	Enclavado-Central-Muelle / Locked-Center-Spring	YFM 35	<b>44,34</b>
<b>YFM55003</b>	Enclavado-Central-Muelle / Locked-Center-Spring	YFM 55	<b>35,81</b>

## Accionamiento 3 posiciones muelle central enclavado

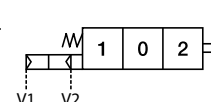
3 positions center spool control locked  
Actionnement 3 positions ressort central cranté



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35004</b>	Muelle-Central-Enclavado / Spring-Center-Locked	YFM35	<b>41,81</b>
<b>YFM55004</b>	Muelle-Central-Enclavado / Spring-Center-Locked	YFM 55	<b>41,81</b>

## Accionamiento neumático

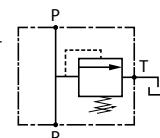
Pneumatic spool control  
Actionnement pneumatique



Part nº Referencia	THREAD ROSCA	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35010</b>	1/8" BSP	YFM 35	<b>123,14</b>
<b>YFM55009</b>	1/8" BSP	YFM 55	<b>125,05</b>

## Válvulas limitadoras YFM35

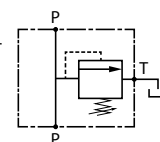
Relief valves YFM35  
Limiteurs de pression YFM35



Part nº Referencia	REG. RATE (bar) CAMPO REG. (bar)	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35008</b>	40-80	YFM 35	<b>34,21</b>
<b>YFM35013</b>	60-200	YFM 35	<b>34,21</b>
<b>YFM35009</b>	160-315	YFM 35	<b>34,21</b>

## Válvulas limitadoras YFM55

Relief valves YFM55  
Limiteurs de pression YFM55



Part nº Referencia	REG. RATE (bar) CAMPO REG. (bar)	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM55005</b>	40-80	YFM 55	<b>36,79</b>
<b>YFM55008</b>	160-315	YFM 55	<b>36,79</b>

# Distribuidores

Control Valves  
Distributeurs

## Continuación presión



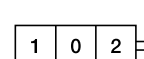
Carry over  
Centre à suivre

Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35005</b>	YFM 35/55	<b>1,39</b>

## Portapalanca



Lever holder  
Porte levier



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35006</b>	YFM 35	<b>18,83</b>
<b>YFM55006</b>	YFM 55	<b>17,93</b>

## Palanca



Lever  
Lever

Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35/55 001</b>	YFM 35 / YFM 55	<b>8,53</b>

## Kit sirga



Cable kit  
Kit Cable

Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>YFM35007</b>	YFM 35	<b>35,92</b>
<b>YFM55007</b>	YFM 55	<b>35,92</b>

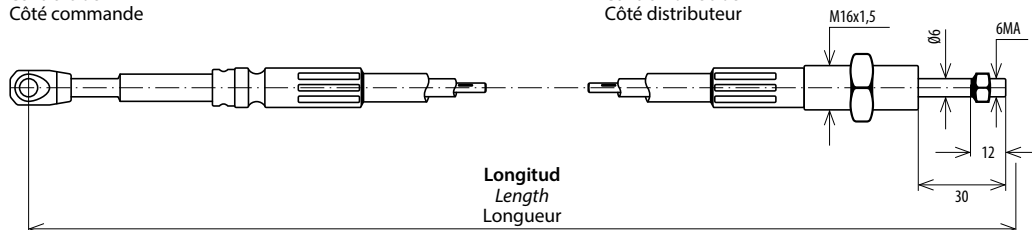
# Accionamientos a distancia

Remote controls  
Commandes à distance



Lado monomando  
Control side  
Côté commande

Lado distribuidor  
Control valve side  
Côté distributeur



Este enganche sirve para todos nuestros monomandos y joysticks  
It is used for all our controls and joysticks  
S'utilise pour toutes nos commandes et poignées

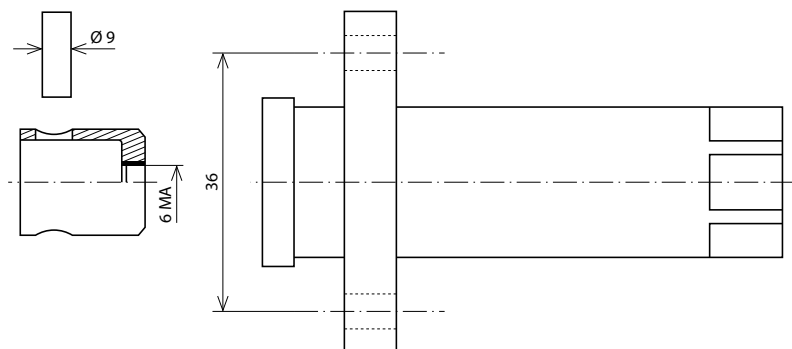
Ver p. 123, Programa Hidráulico / See p. 123, Hydraulic Program / Voir p. 123, Programme Hydraulique



## Accionamiento Neumático / Pneumatic Control / Actionnement Pneumatique

### Kit montaje cable distribuidor / Cable adapter / Adapteur pour câble

Referencia / Part nº / Référence	Marca / Brand / Marque	Distribuidor / Control valve / Distributeur
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.

Avec ces kits, de montage facile, vous pouvez utiliser nos câbles avec tous les distributeurs du marché.

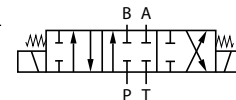
Ver p. 123, Programa Hidráulico  
See p. 123, Hydraulic Program  
Voir p. 123, Programme Hydraulique

# Distribuidores

Control Valves  
Distributeurs

## Distribuidor Eléctrico - 3/8

Electric Control Valve 3/8  
Distributeur Électrique 3/8

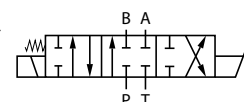


Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	LEVERS Nº PALANCAS	€
YE45/1 3/8 1P DE	3/8" BSP	12 VDC	45	250	1	<b>348,96</b>
YE45/2 3/8 2P DD	3/8" BSP	12 VDC	45	250	2	<b>634,58</b>
YE45/2 3/8 2P DD 24V	3/8" BSP	24 VDC	45	250	2	<b>673,06</b>
YE45/3 3/8 3P DDD	3/8" BSP	12 VDC	45	250	3	<b>909,50</b>
YE45/3 3/8 3P DDD 24V	3/8" BSP	24 VDC	45	250	3	<b>975,87</b>
YE45/4 3/8 4P DDDD	3/8" BSP	12 VDC	45	250	4	<b>1.206,31</b>
YE45/4 3/8 4P DDDD 24V	3/8" BSP	24 VDC	45	250	4	<b>1.279,45</b>
YE45/5 3/8 5P DDDDD	3/8" BSP	12 VDC	45	250	5	<b>1.582,14</b>
YE45/5 3/8 5P DDDDD 24V	3/8" BSP	24 VDC	45	250	5	<b>1.582,14</b>
YE45/6 3/8 6P DDDDDD	3/8" BSP	12 VDC	45	250	6	<b>1.956,81</b>
YE45/1 3/8 1P DE 24V	3/8" BSP	24 VDC	45	250	1	<b>370,14</b>
YE45/6 3/8 6P DDDDDD 24V	3/8" BSP	24 VDC	45	250	6	<b>2.072,10</b>

Disponible con bobinas a 24 VDC / Available with coils at 24 VDC / Disponible avec bobines à 24 VDC

## Distribuidor Eléctrico Manual - 3/8

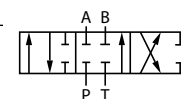
Electric-Manual Control Valve 3/8  
Distributeur Électrique Manual 3/8



Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	LEVERS Nº PALANCAS	€
YEM45/1 3/8 1P DE 24DC	3/8" BSP	24 VDC	45	250	1	<b>595,62</b>
YEM45/2 3/8 2P DD 24DC	3/8" BSP	24 VDC	45	250	2	<b>984,51</b>
YEM45/3 3/8 3P DDD 24DC	3/8" BSP	24 VDC	45	250	3	<b>1.533,35</b>
YEM45/1 3/8 1P DE	3/8" BSP	12 VDC	45	250	1	<b>527,31</b>
YEM45/2 3/8 2P DD	3/8" BSP	12VDC	45	250	2	<b>984,51</b>
YEM45/3 3/8 3P DDD	3/8" BSP	12 VDC	45	250	3	<b>1.460,34</b>
YEM45/4 3/8 4P DDDD	3/8" BSP	12 VDC	45	250	4	<b>1.818,29</b>
YEM45/4 3/8 4P DDDD 24V	3/8" BSP	24 VDC	45	250	4	<b>1.963,00</b>
YEM45/5 3/8 5P DDDDD	3/8" BSP	12 VDC	45	250	5	<b>2.371,18</b>
YEM45/5 3/8 5P DDDDD 24V	3/8" BSP	24 VDC	45	250	5	<b>2.560,68</b>
YEM45/6 3/8 6P DDDDDD	3/8" BSP	12 VDC	45	250	6	<b>2.698,50</b>
YEM45/6 3/8 6P DDDDDD 24V	3/8" BSP	24 VDC	45	250	6	<b>2.914,50</b>

## Corredera doble efecto YE/YEM

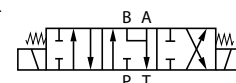
Double acting spool YE/YEM  
Tiroir double effet YE/YEM



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
YFM45CORDE	YE 45	<b>39,35</b>
YFME45CORDE	YEM 45	<b>47,86</b>

## Corredera motor YE 45

Motor spool YE 45  
Tiroir moteur YE 45



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
YFM45CORM	YE 45	<b>37,48</b>



# Distribuidores

Control Valves  
Distributeurs

Tank Accessories, Filters  
/ Pumps / Motors

Control Valves/Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

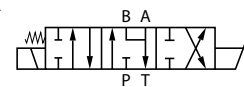
Hydraulic Mini Power  
Packs

Pressure Switches/  
Heating Interchangers

Hydraulic Motors

## Corredera motor YEM 45

Motor spool YEM 45  
Tiroir moteur YEM 45



Part nº Referencia	CONTROL VALVE DISTRIBUIDOR	€
<b>YFME45CORM</b>	YEM 45	<b>47,86</b>

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

## Bobinas para distribuidores YE45

Control valve coils for YE45  
Bobines pour distributeurs YE45



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	CONTROL VALVE DISTRIBUIDOR	€
<b>YE45BOB12DC</b>	12 VDC	YE 45	<b>75,50</b>
<b>YE45BOB24DC</b>	24 VDC	YE 45	<b>81,60</b>

## Bobinas para distribuidores YEM45

Control valve coils for YEM45  
Bobines pour distributeurs YEM45



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	CONTROL VALVE DISTRIBUIDOR	€
<b>YEM45BOB12DC</b>	12 VDC	YEM 45	<b>230,88</b>
<b>YEM45BOB24DC</b>	24 VDC	YEM 45	<b>230,88</b>

## Joysticks proporcionales

Proportional joysticks  
Joysticks proportionnels



Part nº Referencia	€
<b>JOYSTICKPROVDC</b>	<b>590,36</b>

## Joystick sin bloqueo

Joystick without blocking  
Joystick sans blocage



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	FLOW (l/min) CAUDAL (l/min)	€
<b>JOYSTICKHIDRA01</b>	1/4" BSP	Sin bloqueo seguridad/Without safety lock	5-20	<b>289,92</b>

# Distribuidores

Control Valves  
Distributeurs



## Joystick con bloqueo

Joystick with blocking  
Joystick avec blocage

Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	FLOW (l/min) CAUDAL (l/min)	€
<b>JOYSTICKHIDRA02</b>	1/4" BSP	Con bloqueo seguridad/With safety lock	5-20	<b>308,43</b>

# Distribuidores componibles

Sectional Hydraulic Control Valves  
Distributeurs Modulables

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

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



YFMC70 type, manual operat., with lever and spring return to center. Relief valve+lever

Type YFMC70. Commande manuelle, action par ressort avec limiteur de pression +levier

Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	LEVERS Nº PALANCAS	€
<b>YFMC70/1 1P 1/2 DE</b>	1/2" BSP	70	250	1	<b>278,30</b>
<b>YFMC70/2 2P 1/2 DD</b>	1/2" BSP	70	250	2	<b>453,75</b>
<b>YFMC70/3 3P 1/2 DDD</b>	1/2" BSP	70	250	3	<b>580,80</b>
<b>YFMC70/4 4P 1/2 DDDD</b>	1/2" BSP	70	250	4	<b>756,25</b>

## Cuerpo YFMC70

YFMC70 control valve block

Corps distributeur YFMC70



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>YFMC70DE</b>	Doble efecto/Double acting	<b>187,55</b>
<b>YFMC70M</b>	Motor	<b>187,55</b>
<b>YFMC70SE</b>	Simple efecto/Single acting	<b>187,55</b>

## Cuerpo de entrada YFMC70

YFMC70 entrance section

Corps d'entrée YFMC70



Part nº Referencia	€
<b>TEYFMC70</b>	<b>84,70</b>

## Cuerpo de salida YFMC70

YFMC70 exit section

Corps de sortie YFMC70



Part nº Referencia	€
<b>TFYFMC70</b>	<b>60,50</b>

# Distribuidores componibles

Sectional Hydraulic Control Valves  
Distributeurs Modulables

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

YFMC100 type, manual operat., with lever and spring return to center. Relief valve+lever  
Type YFMC100. Commande manuelle, action par ressort avec limiteur de pression +levier



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	LEVERS Nº PALANCAS	€
<b>YFMC100/1 1P 3/4 DE</b>	3/4" BSP	100	210	1	<b>332,75</b>
<b>YFMC100/2 2P 3/4 DD</b>	3/4" BSP	100	210	2	<b>514,25</b>
<b>YFMC100/3 3P 3/4 DDD</b>	3/4" BSP	100	210	3	<b>756,25</b>
<b>YFMC100/4 4P 3/4 DDDD</b>	3/4" BSP	100	210	4	<b>937,75</b>

## Cuerpo YFMC100

YFMC100 control valve block  
Corps distributeur YFMC100



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>YFMC100DE</b>	Doble efecto/Double acting	<b>187,55</b>
<b>YFMC100M</b>	Motor	<b>187,55</b>
<b>YFMC100SE</b>	Simple efecto/Single acting	<b>187,55</b>

## Cuerpo de entrada YFMC100

YFMC100 entrance section  
Corps d'entrée YFMC100



Part nº Referencia	€
<b>TEYFMC100</b>	<b>84,70</b>

## Cuerpo de salida YFMC100

YFMC100 exit section  
Corps de sortie YFMC100



Part nº Referencia	€
<b>TFYFMC100</b>	<b>60,50</b>

## DISTRIBUIDORES PROPORCIONALES · PROPORTIONAL CONTROL VALVES



### CARACTERÍSTICAS TÉCNICAS | TECHNICAL DATA

**140LTS.**

Caudal máx.  
Max. flow

**350b.**

Presión máx.  
Max. pressure

**10**

Secciones máx.  
Max. sections

Accionamiento  
Operation

**Manual**

**Eléctrico  
(Electric)  
/manual**

Voltajes  
Voltages

**12 VDC.**

**24 VDC.**

### APLICACIONES | APPLICATIONS



\* Las diferentes partes de estos distribuidores proporcionales TRΔLE® son compatibles con los distribuidores PUG-32 de Danfoss en la mayoría de los casos. Consultar disponibilidad. | The different parts of TRΔLE® proportional control valves are compatible with PVG-32 models from Danfoss, in most cases. Consult availability.

# Empuñaduras

Joysticks  
Poignées



## Empuñaduras con botón e interruptor (racor incluido)

Joysticks with button and switch (with fitting)

Poignées avec bouton et interrupteur (livrée avec raccord)

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>EE1B</b>	1 botón para 1 bobina/1 button for 1 coil	<b>43,06</b>
<b>EE1D</b>	1 interruptor balancín para 2 bobinas/1 button (2 functions) for 2 coils	<b>43,06</b>

## Empuñaduras ergonómicas

Ergonomic Joysticks

Poignées ergonomiques



Part nº Referencia	BUTTONS NR. Nº BOTONES	€
<b>EEI2B</b>	2	<b>110,92</b>
<b>EEI3B</b>	3	<b>121,68</b>
<b>EEI4B</b>	4	<b>133,94</b>
<b>EEI6B</b>	6	<b>159,12</b>
<b>EEI8B</b>	8	<b>243,08</b>

## Empuñaduras ergonómicas con botones posteriores

Ergonomic Joysticks with back buttons

Poignées ergonomiques avec des boutons postérieurs

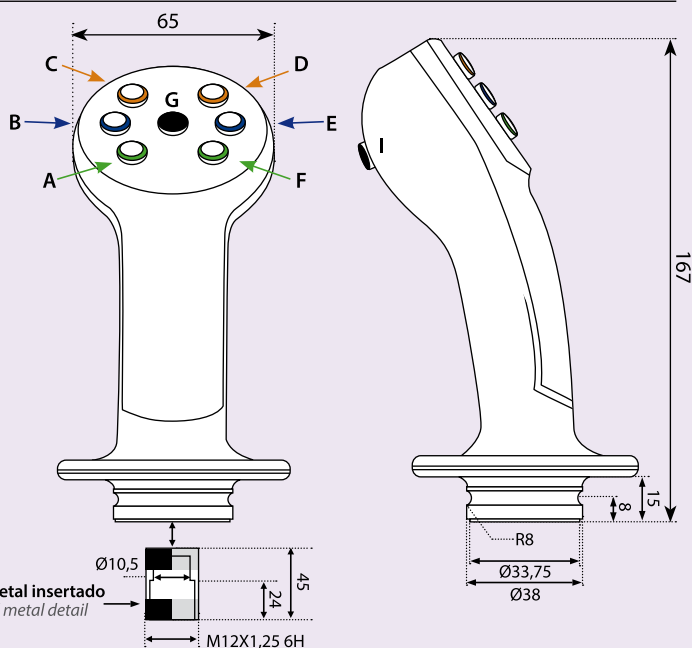
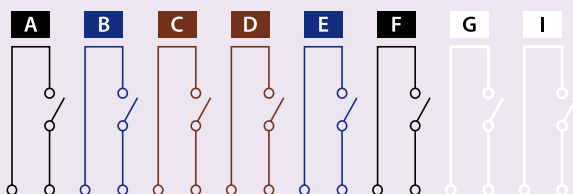


Part nº Referencia	BUTTONS NR. Nº BOTONES	€
<b>EBEI1</b>	1	<b>56,16</b>
<b>EBEI2</b>	2	<b>88,92</b>
<b>EBEI3</b>	3	<b>121,68</b>
<b>EBEI5</b>	5	<b>187,20</b>

## EMPUÑADURAS ERGONÓMICAS · ERGONOMIC JOYSTICKS

	N. Micro	Posición MICRO MICRO position
<b>EEI2B</b>	2	B, E
<b>EEI3B</b>	3	B, G, E
<b>EEI4B</b>	4	A, C, D, F
<b>EE6B</b>	6	A, B, C, D, E, F
<b>EEI8B</b>	8	A, B, C, D, E, F, G, I

### Esquema eléctrico / Electrical diagram



# Selectoras

Directional Control Valves  
Déviateurs

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves/Joysticks and  
Directional Control Valves

Hydraulic Valves

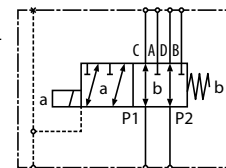
Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Selectora apilable 6 vías 3/8 DC

Stackable directional control valve 6 ways 3/8 DC  
Déviateur empilable 6 voies 3/8 DC



Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	ELEMENTS NR. Nº ELEMENTOS	€
SA6V3812CC-1	3/8" BSP	6	12VDC	50	250	1	121,00
SA6V3812CC-2	3/8" BSP	8	12VDC	50	250	2	332,75
SA6V3812CC-3	3/8" BSP	10	12VDC	50	250	3	475,75
SA6V3812CC-4	3/8" BSP	12	12VDC	50	250	4	618,75
SA6V3812CC-5	3/8" BSP	14	12VDC	50	250	5	759,00
SA6V3824CC-1	3/8" BSP	6	24VDC	50	250	1	121,00
SA6V3824CC-2	3/8" BSP	8	24VDC	50	250	2	332,75
SA6V3824CC-3	3/8" BSP	10	24VDC	50	250	3	475,75
SA6V3824CC-4	3/8" BSP	12	24VDC	50	250	4	618,75
SA6V3824CC-5	3/8" BSP	14	24VDC	50	250	5	759,00

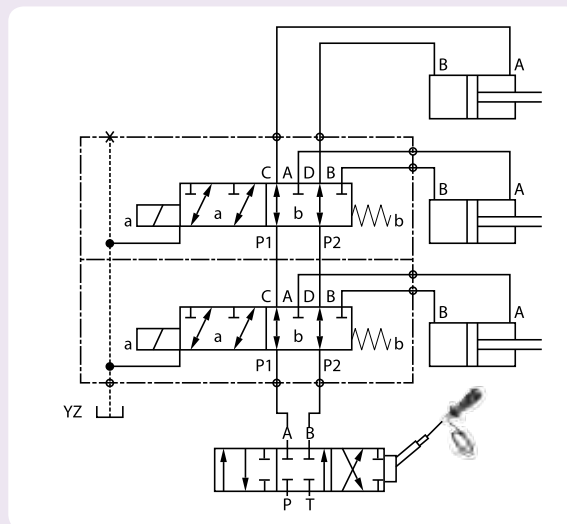
## DISEÑO DE PROYECTOS HIDRÁULICOS HYDRAULIC PROJECT DESIGN

Servicio a medida de sus necesidades  
Service according to your needs

**TrAie®**

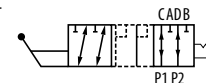
■ Ejemplo | Example

DISTRIBUIDOR   CONTROL VALVE	p. 192
+ SELECTORAS   DIRECTIONAL CONTROL VALVES	p. 205
+ EMPUÑADURAS   JOYSTICKS	p. 204



## Selectora no apilable 6 vías 3/8 con palanca

Non stackable electrodirectional control valve 6 ways 3/8, with lever  
Déviateur non empilable 6 voies avec levier 3/8



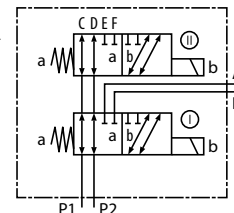
Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
SM6V38	3/8" BSP	6	50	250	143,00
SM6V12	1/2" BSP	6	50	250	143,00

# Selectoras

Directional Control Valves  
Déviateurs

## Selectora monobloque 8 vías Cetop 3 3/8 DC

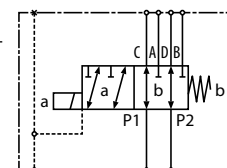
Monoblock directional control valve 8 ways Cetop 3 3/8 DC  
Déviateur monobloc 8 voies Cetop 3 3/8 DC



Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>SM8V3812CC</b>	3/8" BSP	8	12VDC	50	250	<b>287,38</b>
<b>SM8V3824CC</b>	3/8" BSP	8	24VDC	50	250	<b>288,53</b>

## Selectora apilable 6 vías 1/2 DC

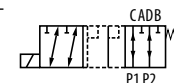
Stackable directional control valves, 6 ways, 1/2 DC  
Sélecteur 1/2 DC, 6 voies, apilable



Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	ELEMENTS NR. Nº ELEMENTOS	€
<b>SA6V1212CC-1</b>	1/2" BSP	6	12VDC	80	250	1	<b>192,50</b>
<b>SA6V1212CC-2</b>	1/2" BSP	8	12VDC	80	250	2	<b>610,94</b>
<b>SA6V1212CC-3</b>	1/2" BSP	10	12VDC	80	250	3	<b>866,91</b>
<b>SA6V1224CC-1</b>	1/2" BSP	6	24VDC	80	250	1	<b>192,50</b>
<b>SA6V1224CC-2</b>	1/2" BSP	8	24VDC	80	250	2	<b>610,94</b>
<b>SA6V1224CC-3</b>	1/2" BSP	10	24VDC	80	250	3	<b>866,91</b>

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

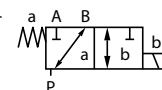
Stackable directional control valves 1/2 DC, 6 ways, without drain  
Sélecteur 1/2 DC, apilable, 6 voies, sans drainage



Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	ELEMENTS NR. Nº ELEMENTOS	€
<b>SA6V1212CC-1 S-D</b>	1/2" BSP	6	12VDC	80	250	1	<b>187,00</b>
<b>SA6V1224CC-1 S-D</b>	1/2" BSP	6	24VDC	80	250	1	<b>187,00</b>

## Selectora 3 vías 1/2 DC

Directional control valves 3 ways 1/2 DC  
Sélecteur 3 voies 1/2 DC



Part nº Referencia	THREAD ROSCA	WAYS NR. Nº VIAS	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>S3V1212CC</b>	1/2" BSP	3	12VDC	80	210	<b>156,75</b>
<b>S3V1224CC</b>	1/2" BSP	3	24VDC	80	210	<b>156,75</b>



# MEJORAS CONTINUAS EN EL ÁREA TÉCNICA

TECHNICAL DEPARTMENT MAKES THINGS BETTER

NUEVO MEDIOS  
NEW MACHINES



Banco de pruebas minicentrales  
Minipower Packs Test bench



Reparación máquinas de prensar  
Crimping machines repair



Cortadora orbital  
Orbital cutting machine



Enrolladora packs manguera  
Hose packs winder



Embaladora tubo  
Tube wrapping machine

- ✓ Diseño propio, proceso de mejora continua
- ✓ Piezas especiales para clientes según especificaciones o muestras
- ✓ Catálogos técnicos y fichas técnicas de productos
- ✓ Asesoría técnica en Conducciones y Componentes Hidráulicos
- ✓ Diseño de grupos hidráulicos y búsqueda de soluciones de aprovisionamiento
- ✓ Asesoramiento para fabricantes de maquinaria en kits de primeros equipos

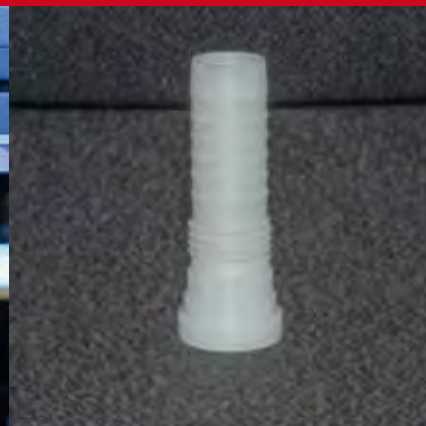
- ✓ Own design, continual improvement process
- ✓ Special products for customers according to specifications or samples
- ✓ Technical Catalogues and price lists
- ✓ Technical advising in Hydraulic and Pneumatic Conducts
- ✓ Hydraulic groups design and search of supply solutions
- ✓ Technical support for O.E.M. (Original Equipment Manufacturer)

IMPRESIÓN 3D  
3D PRINT

PLANO  
DRAW

DISEÑO 3D  
3D DESIGN

PROTOTIPO  
PROTOTYPE



# Válvulas hidráulicas

*Hydraulic valves*

Valves hydrauliques

## **Antirretornos**

*Check Valves*

Antiretours

**210**

## **Reguladores de Caudal**

*Flow Control Valves*

Régulateurs de débit

**211**

## **Estranguladores y paracaídas**

*Restrictor Valves and Hose Break Valves*

Étrangleurs et Parachutes

**212**

## **Limitadora de Presión**

*Pressure relief valves*

Limiteurs de Pression

**213**

## **Overcenter**

*Overcenter*

Overcenter

**213**

## **Válvulas de Secuencia**

*Sequence Valve*

Valves de séquence

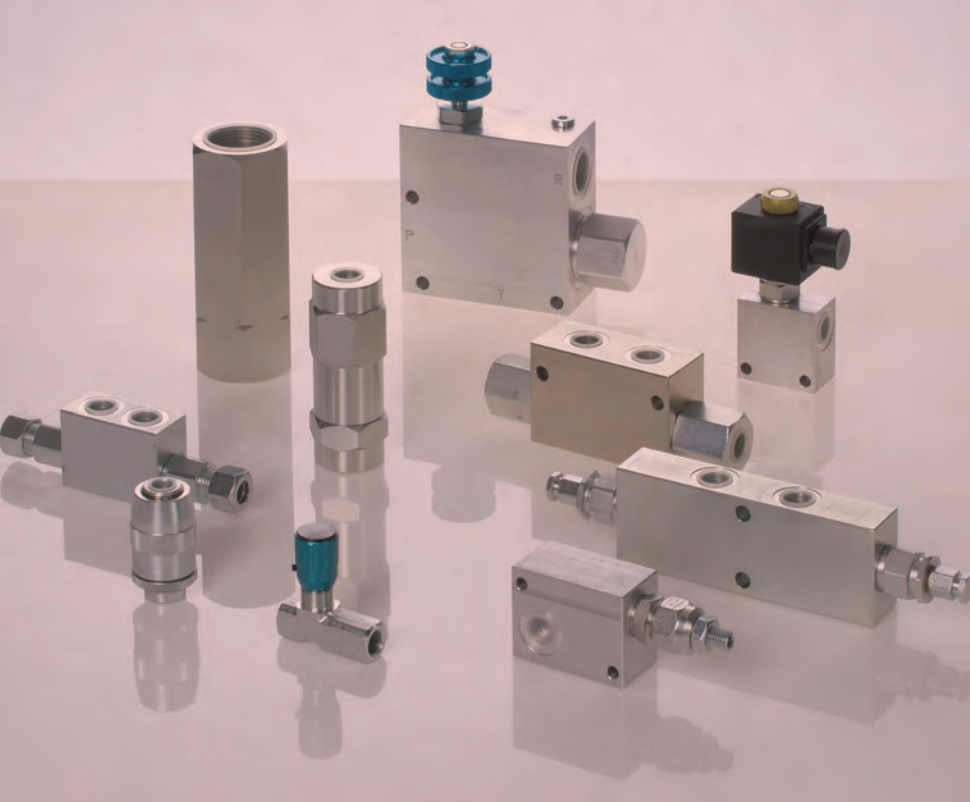
**214**

## **Otras válvulas**

*Other valves*

Autres valves

**214**



# 3

## Válvulas Hidráulica con Accionamiento Eléctrico

*Hydraulic valves with electric drive*

Valves hydrauliques avec actionnement électrique

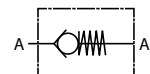
215

# Antirretornos

Check Valves  
Antiretour

## Válvula antirretorno en línea

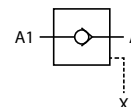
Check-valve line mounting  
Clapet antiretour simple en ligne



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	€
<b>VT001004</b>	1/4" BSP	12	350	0,5	<b>12,73</b>
<b>VT001006</b>	3/8" BSP	30	350	0,5	<b>15,37</b>
<b>VT001008</b>	1/2" BSP	45	320	0,5	<b>17,63</b>
<b>VT001012</b>	3/4" BSP	85	300	0,5	<b>25,13</b>
<b>VT001016</b>	1" BSP	140	250	0,5	<b>46,05</b>

## Válvula antirretorno simple pilotado

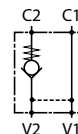
Pilot Operated Line Simple Check Valve  
Clapet Antiretour Simple Piloté (en ligne)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT002004</b>	1/4" BSP	1/4" BSP	12	<b>48,59</b>
<b>VT002006</b>	3/8" BSP	1/4" BSP	30	<b>52,30</b>
<b>VT002008</b>	1/2" BSP	1/4" BSP	45	<b>60,86</b>

## Válvula antirretorno simple bloque pilotado en línea - Aluminio

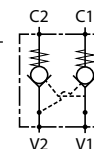
Pilot Operated Simple Check Valve in Block (Line)  
Bloc avec Antiretour Simple Piloté en ligne-Aluminium



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT004006</b>	3/8" BSP	30	250	<b>61,32</b>
<b>VT004008</b>	1/2" BSP	45	250	<b>68,26</b>

## Válvula antirretorno doble bloque-línea Aluminio

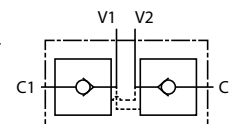
Pilot Operated Double Check Valve in Block (Line)  
Bloc avec Antiretour Double Piloté en Ligne-Aluminium



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT003006</b>	3/8" BSP	25	250	<b>84,79</b>
<b>VT003008</b>	1/2" BSP	45	250	<b>97,19</b>

## Válvula antirretorno doble bloque pilotado (en Te)

Hydro pilot operated double check valves in block (in T)  
Bloc avec antiretour double piloté (en Té)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT008004</b>	1/4" BSP	12	350	<b>35,87</b>
<b>VT008006</b>	3/8" BSP	30	300	<b>62,48</b>
<b>VT00800620</b>	3/8" BSP	20	300	<b>35,87</b>
<b>VT008008</b>	1/2" BSP	45	300	<b>69,19</b>

# Antirretornos y Reguladores de Caudal

Check Valves & Flow Control Valves  
Antiretour & Régulateurs de débit

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

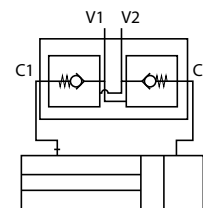
Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Válvula antirretorno doble bloque pilotado, con racores

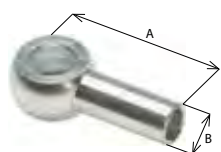
Hydropilot Operated Double Check Valves in Block with fittings  
Bloc avec Antiretour Double Piloté avec Raccords



Part nº Referencia	PIPE TUBO	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT008006202RO</b>	12	3/8" BSP	2 racores	20	250	<b>37,38</b>

## Orientable con tubo para cuerpo VT008006202RO

Pipe for body VT008006202RO  
Banjo avec tube pour Corps VT008006202RO

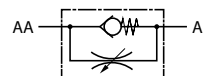


Part nº Referencia	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	A	B	€
<b>50604012</b>	250	42	12	*
<b>50604018</b>	250	200	12	*
<b>50604019</b>	250	300	12	*
<b>50604020</b>	250	400	12	*
<b>50604021</b>	250	500	12	*

\*Ver precios en pág. 82 (Programa hidráulico) / \*See prices in page 82 (Hydraulic Program) / \*Voir prix à la page 82 (Programme Hydraulique)

## Regulador de caudal unidireccional

Unidirectional flow control valve  
Régulateur débit unidirectionnel



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT251U04</b>	1/4" BSP M17x1	12	350	25	<b>31,08</b>
<b>FT251U06</b>	3/8" BSP M20x1	30	350	25	<b>38,27</b>
<b>FT251U08</b>	1/2" BSP M25x1,5	45	350	25	<b>46,75</b>
<b>FT251U12</b>	3/4" BSP M30x1,5	85	350	25	<b>103,36</b>
<b>FT251U16</b>	1" BSP M40x1,5	125	320	25	<b>186,55</b>

## Regulador de caudal bidireccional

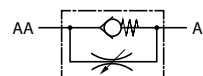
Bidirectional flow control valve  
Régulateur débit bidirectionnel



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	FILTRATION DEGREE GRADO DE FILTRACIÓN	€
<b>FT251B04</b>	1/4" BSP M17x1	12	350	25	<b>28,88</b>
<b>FT251B06</b>	3/8" BSP M20x1	30	350	25	<b>33,46</b>
<b>FT251B08</b>	1/2" BSP M25x1,5	45	350	25	<b>46,52</b>
<b>FT251B12</b>	3/4" BSP M30x1,5	85	350	25	<b>86,86</b>
<b>FT251B16</b>	1" BSP M40x1,5	125	350	25	<b>161,80</b>

## Regulador de caudal unidireccional (vol.plástico)

Unidirectional flow control valve (plastic wheel)  
Régulateur débit unidirectionnel (volant plastique)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT013004</b>	1/4" BSP	12	300	<b>40,49</b>
<b>VT013006</b>	3/8" BSP	30	300	<b>57,63</b>
<b>VT013008</b>	1/2" BSP	45	280	<b>57,85</b>
<b>VT013012</b>	3/4" BSP	85	250	*

# Reguladores y Estranguladores

Flow Control & Restrictor Valves  
Régulateurs et Etrangleurs

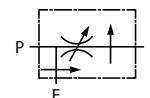
## Regulador de caudal bidireccional (vol.plástico)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT014004</b>	1/4" BSP	12	300	<b>36,09</b>
<b>VT014006</b>	3/8" BSP	30	300	<b>43,97</b>
<b>VT014008</b>	1/2" BSP	45	280	<b>53,22</b>

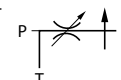
## Regulador de caudal compensado 3 vías -Tipo VRF

Compensated flow control valve 3 ways - Type VR  
Régulateur débit compensé 3 voies - Type VR



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VRF38</b>	3/8" BSP	250	<b>243,26</b>
<b>VRF12</b>	1/2" BSP	250	<b>243,26</b>
<b>VRF34</b>	3/4" BSP	250	<b>349,95</b>

## Reguladores caudal compensados - tipo FPRF



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. REG. FLOW (l/min) CAUDAL MÁX. REG. (l/min)	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT015008</b>	1/2" BSPP	90	50	250	<b>159,59</b>
<b>VT015012</b>	3/4" BSPP	150	90	250	<b>257,21</b>

## Estrangulador bidireccional (regulable)

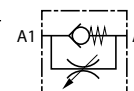
Adjustable restrictor valve - bidirectionnel  
Étrangleur réglable bidirectionnel



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT010004</b>	1/4" BSP	12	350	<b>31,93</b>
<b>VT010006</b>	3/8" BSP	30	350	<b>34,71</b>
<b>VT010008</b>	1/2" BSP	45	310	<b>39,34</b>

## Estrangulador unidireccional (regulable)

Adjustable restrictor valve - unidirectional  
Étrangleur réglable unidirectionnel



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT009004</b>	1/4" BSP	12	350	<b>33,09</b>
<b>VT009006</b>	3/8" BSP	30	350	<b>37,02</b>
<b>VT009008</b>	1/2" BSP	45	310	<b>41,65</b>

# Paracaídas y Limitadoras

Hose Break Valves and Pressure Relief Valves  
Valves Parachutes et Limiteurs de Pression

Tank Accessories, Filters  
/ Pumps /MotorsControl Valves /Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

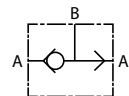
Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Conmutadora o selectora



Switchboard or directional valve  
Commutateur ou selecteur

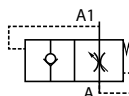


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT005004</b>	1/4" BSP	25	350	<b>27,77</b>
<b>VT005006</b>	3/8" BSP	50	350	<b>30,08</b>

## Válvula paracaídas macho-hembra



Hose break valve (male-female)  
Valve parachute male-femelle

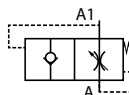


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT007004</b>	1/4" BSP	25	350	<b>18,98</b>
<b>VT007006</b>	3/8" BSP	50	350	<b>20,36</b>
<b>VT007008</b>	1/2" BSP	80	350	<b>24,30</b>

## Válvula paracaídas hembra-hembra



Hose break valve (female-female)  
Valve parachute femelle-femelle

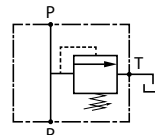


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VT006004</b>	1/4" BSP	25	350	<b>19,67</b>
<b>VT006006</b>	3/8" BSP	50	350	<b>21,06</b>
<b>VT006008</b>	1/2" BSP	80	350	<b>24,99</b>

## Limit.pres.línea/regulación tornillo- alum.



Pressure relief valve in line (control screw)  
Limiteur pression en ligne/régulation par vis- aluminium

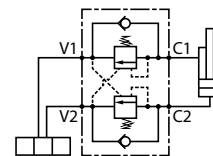


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	COLOUR COLOR	€
<b>VT0110064020</b>	3/8" BSP	40	250	50	50-220	Verde*	<b>60,59</b>
<b>VT0110064035</b>	3/8" BSP	40	250	80	80-350	Rojo	<b>53,22</b>
<b>VT0110087020</b>	1/2" BSP	50	250	80	50-220	Verde*	<b>76,23</b>
<b>VT0110087035</b>	1/2" BSP	80	250	80	80-350	Rojo	<b>67,11</b>

## Overcenter doble efecto (en línea)



Double acting overcenter (in line)  
Overcenter effet double (en ligne)

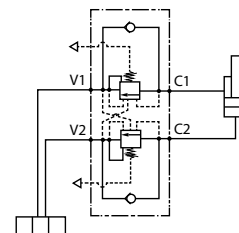


Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>VT0120063535</b>	3/8" BSP	50	350	280	80 - 350	<b>145,78</b>
<b>VT0120085035</b>	1/2" BSP	50	350	280	80 - 350	<b>157,35</b>

## Otras válvulas

Other Valves  
Autres Valves

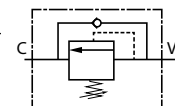
### Overcenter balanceada D.E. (en línea)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>VT0160063520</b>	3/8" BSP	50	350	170	60 - 210	<b>228,26</b>
<b>VT0160063535</b>	3/8" BSP	50	350	280	80 - 350	<b>228,26</b>
<b>VT0160085020</b>	1/2" BSP	50	350	170	60 - 210	*
<b>VT0160065035</b>	1/2" BSP	50	350	280	80 - 350	<b>235,90</b>

### Válvula secuencia con antirretorno

Sequence valve with check valve  
Valve de séquence avec antiretour



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	SETTING (bar) TARAJE (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>VS2C3/8</b>	3/8" BSP	35	350	90	10 - 180	<b>56,01</b>
<b>VS2C3/8 20-100</b>	3/8" BSP	35	350	75	20 - 100	<b>56,68</b>
<b>VS2C3/8 50-250</b>	3/8" BSP	35	350	130	50 - 250	<b>56,68</b>
<b>VS2C1/2</b>	1/2" BSP	70	350	90	10 - 180	<b>68,38</b>
<b>VS2C1/2 20-100</b>	1/2" BSP	70	350	75	20 - 100	<b>68,38</b>
<b>VS2C1/2 50-250</b>	1/2" BSP	70	350	130	50 - 250	<b>68,38</b>

\*Ver precios en pág. 94 (Programa hidráulico) / \*See prices in page 94 (Hydraulic Program) / \*Voir les prix à la page 94 (Programme hydraulique)

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

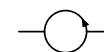
Pressure Gauge Protector (in-line) MF-TL straight  
Isolateur de manomètre (en ligne) MF-TL droit



Part nº Referencia	THREAD ROSCA		DESCRIPTION DESCRIPCIÓN	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FT29004</b>	1/4" BSP	1/4" BSPT	RECTO	350	<b>19,67</b>
<b>FT29104</b>	1/4" BSP	1/4" BSPT	90°	350	<b>19,67</b>

### Adaptador para manómetro en línea TL-MF

Pressure Gauge Adaptor (in-line) TL-MF  
Adapteur pour Manomètre (en ligne) TL-MF



Part nº Referencia	THREAD ROSCA		€
<b>FT29942</b>	1/4" BSP	1/2" BSPT	<b>9,15</b>
<b>FT29944</b>	1/4" BSP	1/4" BSPT	<b>6,71</b>



# Válvulas hidráulica con accionamiento eléctrico

Hydraulic valves with electric drive

Valves hydrauliques avec actionnement électrique

Tank Accessories, Filters  
/ Pumps / Motors

Control Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
Packs

Pressure Switches/  
Heating Interchangers

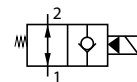
Hydraulic Motors

## Válvula bidireccional N.A.



Normally open bidirect.valve

Valve bidirectionnelle norm. ouverte



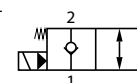
Part nº Referencia	THREAD ROSCA		VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	€
<b>VCF38NA12CC</b>	3/4"-16 UNF-2A	3/8" BSP	12CC	40	<b>118,61</b>
<b>VCF38NA24CC</b>	3/4"-16 UNF-2A	3/8" BSP	24CC	40	<b>118,61</b>
<b>VCF12NA12CC</b>	7/8"-14 UNF-2A	1/2" BSP	12CC	60	<b>149,61</b>
<b>VCF12NA24CC</b>	7/8"-14 UNF-2A	1/2" BSP	24CC	60	<b>149,61</b>
<b>VCF34NA12CC</b>	1"1/16-16 UNF-2A	3/4" BSP	12CC	150	<b>194,94</b>
<b>VCF34NA24CC</b>	1"1/16-16 UNF-2A	3/4" BSP	24CC	150	<b>194,94</b>

## Válvula bidireccional N.C.



Normally closed bidirect.valve

Valve bidirectionnelle norm. fermée



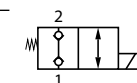
Part nº Referencia	THREAD ROSCA		VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	€
<b>VCF38NC12CC</b>	3/4"-16 UNF-2A	3/8" BSP	12CC	40	<b>107,99</b>
<b>VCF38NC24CC</b>	3/4"-16 UNF-2A	3/8" BSP	24CC	40	<b>107,99</b>
<b>VCF12NC12CC</b>	7/8"-14 UNF-2A	1/2" BSP	12CC	60	<b>141,18</b>
<b>VCF12NC24CC</b>	7/8"-14 UNF-2A	1/2" BSP	24CC	60	<b>141,18</b>
<b>VCF34NC12CC</b>	1"1/16-16 UNF-2A	3/4" BSP	12CC	150	<b>180,27</b>
<b>VCF34NC24CC</b>	1"1/16-16 UNF-2A	3/4" BSP	24CC	150	<b>180,27</b>

## Válvula bidireccional N.C. con doble antirretorno



Normally closed bidirect.valve with double check valve

Valve bidirectionnelle norm. fermée avec antiretour double



Part nº Referencia	THREAD ROSCA		VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VCFDA3812NC</b>	3/4"-16 UNF-2A	3/8" BSP	12CC	20	250	<b>128,18</b>
<b>VCFDA3824NC</b>	3/4"-16 UNF-2A	3/8" BSP	24CC	20	250	<b>129,62</b>
<b>VCFDA1212NC</b>	7/8"-14 UNF-2A	1/2" BSP	12CC	30	220	<b>188,56</b>
<b>VCFDA1224NC</b>	7/8"-14 UNF-2A	1/2" BSP	24CC	30	220	<b>188,56</b>

## Bloque 2 vías



Bloc 2 ways

Bloque 2 voies

Part nº Referencia	THREAD ROSCA		SIZE TAMAÑO	€
<b>CVE08F</b>	3/4-16UNF	3/8" BSP	SAE 08	*
<b>CVE10F</b>	7/8-14UNF	1/2" BSP	SAE 10	*
<b>CVE12F</b>	1"1/16-12UNF	3/4" BSP	SAE 12	*

## Bloque 3 vías



Bloc 3 ways

Bloque 3 voies

Part nº Referencia	THREAD ROSCA		SIZE TAMAÑO	€
<b>CVE308F</b>	3/4-16UNF	1/4" BSP	SAE 08	<b>44,19</b>
<b>CVE310F</b>	7/8-14UNF	3/8" BSP	SAE 10	<b>48,33</b>

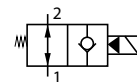
# Válvulas hidráulica con accionamiento eléctrico

Hydraulic valves with electric drive

Valves hydrauliques avec actionnement électrique

## Válvulas de acc. eléctrico insertable abierta

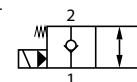
Electrical action.inserted valve opened  
Valves d'actionnem. électrique inserée ouverte



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VENA08F</b>	3/4-16UNF	SAE08	40	350	<b>84,14</b>
<b>VENA10F</b>	7/8-14UNF	SAE10	60	350	<b>108,99</b>
<b>VENA12F</b>	1"1/16-12UNF	SAE12	150	350	<b>136,47</b>

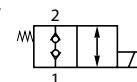
## Válvulas de acc. eléctrico insertable cerrada

Electrical action.inserted valve closed  
Valves d'actionnem. électrique inserée fermée



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VENC08F</b>	3/4-16UNF	SAE08	40	350	<b>72,47</b>
<b>VENC10F</b>	7/8-14UNF	SAE10	60	350	<b>99,75</b>
<b>VENC12F</b>	1"1/16-12UNF	SAE12	150	350	<b>120,32</b>

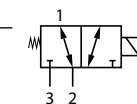
## Válvulas de acc. eléctrico insertable cerrada, doble antirret.



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VEDA08F</b>	3/4-16UNF	SAE08	20	250	<b>94,90</b>
<b>VEDA10F</b>	7/8-14UNF	SAE10	30	220	<b>147,61</b>

## Válvulas de acc. eléctrico insertable 3 vías

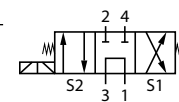
Electrical action.inserted valve 3 ways  
Valves d'actionnem. électrique inserée 3 voies



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VECO08F</b>	3/4-16UNF	SAE08	12	310	<b>81,71</b>
<b>VECO10F</b>	7/8-14UNF	SAE10	35	310	<b>105,37</b>

## Válvulas de acc. eléctrico insertable 4 vías 3 pos. corr. nº2

Elect.action.inserted valve 4 ways 3 pos. spool nº2  
Valves d'actionnem. élect.inserée 4 voies 3 pos.tiroir nº2



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VECM08F</b>	3/4-16UNF	SAE 08	12	220	<b>131,56</b>
<b>VECM10F</b>	7/8-14UNF	SAE 10	35	310	<b>160,18</b>

# Válvulas hidráulica con accionamiento eléctrico

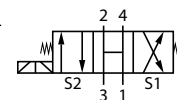
Hydraulic valves with electric drive

Valves hydrauliques avec actionnement électrique

## Válvulas de acc.electrico insertable 4 vias 3 pos.corr.nº3

Elect.action.inserted valve 4 ways 3 pos. spool nº3

Valves d'actionnem. élect.inserée 4 voies 3 pos.tiroir nº3

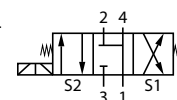


Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VEDE10F</b>	7/8-14UNF	SAE 10	35	310	<b>156,46</b>

## Válvulas de acc.electrico insertable 4 vias 3 pos.corr.nº6

Elect.action.inserted valve 4 ways 3 pos. spool nº6

Valves d'actionnem. élect.inserée 4 voies 3 pos.tiroir nº6



Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>VEFL08F</b>	3/4-16UNF	SAE 08	12	220	<b>129,42</b>
<b>VEFL10F</b>	7/8-14UNF	SAE 10	35	310	<b>160,70</b>

## Bobinas

Coils

Bobines



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	PROTECTION (IP) PROTECCIÓN (IP)	€
<b>BOF3412CC</b>	SAE 08	12 VDC	20 W	IP 65	<b>12,86</b>
<b>BOF3424CC</b>	SAE 08	24 VDC	20 W	IP 65	<b>12,86</b>
<b>BOF3812CC</b>	SAE 08	12 VDC	22 W	IP 65	<b>12,86</b>
<b>BOF3824CC</b>	SAE 08	24 VDC	22 W	IP 65	<b>12,86</b>
<b>BOF38220AC</b>	SAE 08	220 VAC	22 W	IP 65	<b>24,76</b>
<b>BOF1212CC</b>	SAE 10	12 VDC	26 W	IP 65	<b>18,95</b>
<b>BOF1224CC</b>	SAE 10	24 VDC	26 W	IP 65	<b>18,95</b>
<b>BOF12220AC</b>	SAE 10	220 VAC	26 W	IP 65	<b>26,33</b>

# Electroválvulas

*Directional valves*

Électro-distributeurs

## **Electroválvulas NG6 - Cetop 3**

*Directional Valves NG6 - Cetop 3*

Électro-distributeurs NG6 - Cetop 3

**220**

## **Electroválvulas NG10 - Cetop 5**

*Directional Valves NG10 - Cetop 5*

Électro-distributeurs NG10 - Cetop 5

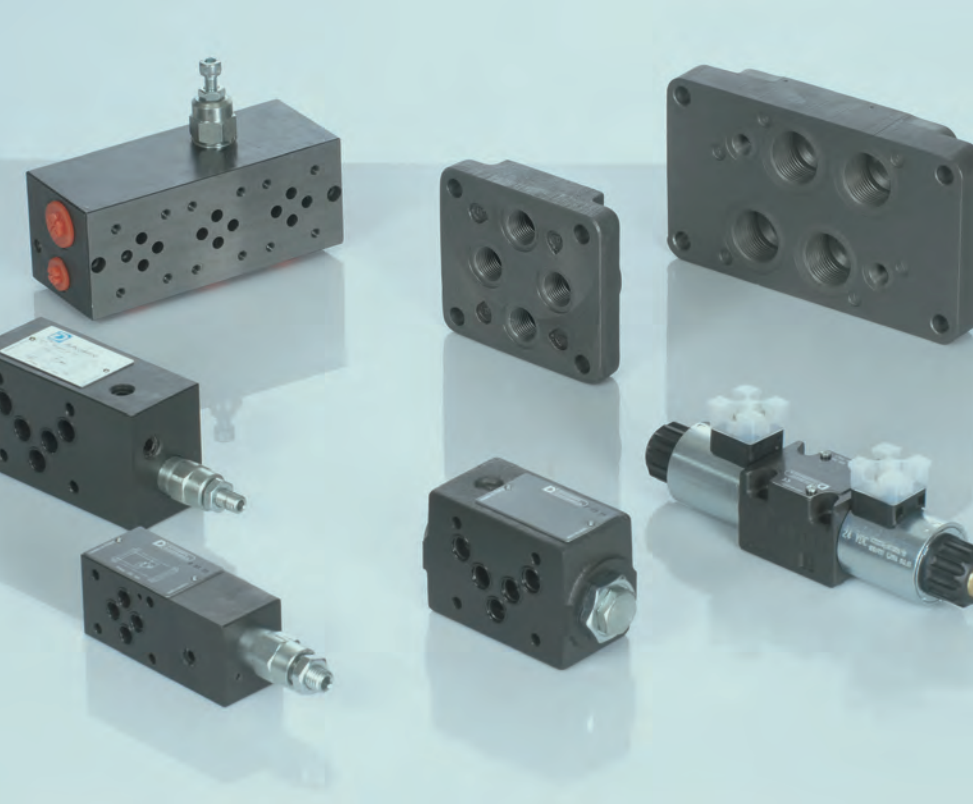
**230**

## **Electroválvulas NG16 - Cetop 7**

*Directional Valves NG16 - Cetop 7*

Électro-distributeurs NG16 - Cetop 7

**238**



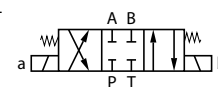
4

# Electroválvulas

Directional Valves  
Électro-distributeurs

## Electroválvula Direccional NG6 Corredera nº1

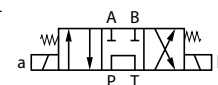
Directional Valve NG6 - Spool nº1  
Électro NG6-Tiroir nº1



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-1-12CC H</b>	NG-6	12 VDC	60	315	<b>109,20</b>
<b>KVNG6-1-24CC H</b>	NG-6	24 VDC	60	315	<b>109,20</b>
<b>KVNG6-1-110CA H</b>	NG-6	110 VAC	60	315	<b>109,20</b>
<b>KVNG6-1-220CA H</b>	NG-6	220 VAC	60	315	<b>109,20</b>

## Electroválvula Direccional NG6 Corredera nº2

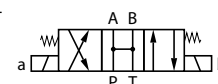
Directional Valve NG6 - Spool nº2  
Électro NG6-Tiroir nº2



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-2-12CC H</b>	NG-6	12 VDC	60	315	<b>118,14</b>
<b>KVNG6-2-24CC H</b>	NG-6	24 VDC	60	315	<b>118,14</b>
<b>KVNG6-2-110CA H</b>	NG-6	110 VAC	60	315	<b>118,14</b>
<b>KVNG6-2-220CA H</b>	NG-6	220 VAC	60	315	<b>118,14</b>

## Electroválvula Direccional NG6 Corredera nº3

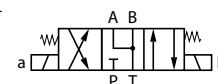
Directional Valve NG6 - Spool nº3  
Électro NG6-Tiroir nº3



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-3-12CC H</b>	NG-6	12 VDC	60	315	<b>109,20</b>
<b>KVNG6-3-24CC H</b>	NG-6	24 VDC	60	315	<b>109,20</b>
<b>KVNG6-3-110CA H</b>	NG-6	110 VAC	60	315	<b>109,20</b>
<b>KVNG6-3-220CA H</b>	NG-6	220 VAC	60	315	<b>109,20</b>

## Electroválvula Direccional NG6 Corredera nº6

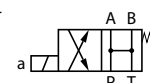
Directional Valve NG6 - Spool nº6  
Électro NG6-Tiroir nº6



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-6-12CC H</b>	NG-6	12 VDC	60	315	<b>109,20</b>
<b>KVNG6-6-24CC H</b>	NG-6	24 VDC	60	315	<b>109,20</b>
<b>KVNG6-6-110CA H</b>	NG-6	110 VAC	60	315	<b>109,20</b>
<b>KVNG6-6-220CA H</b>	NG-6	220 VAC	60	315	<b>109,20</b>

## Electroválvula Direccional NG6 Corredera nº3A

Directional Valve NG6 - Spool nº3A  
Électro NG6-Tiroir nº3A



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-3A-12CC H</b>	NG-6	12 VDC	60	315	<b>88,63</b>
<b>KVNG6-3A-24CC H</b>	NG-6	24 VDC	60	315	<b>88,63</b>
<b>KVNG6-3A-110CA H</b>	NG-6	110 VAC	60	315	<b>88,63</b>
<b>KVNG6-3A-220CA H</b>	NG-6	220 VAC	60	315	<b>88,63</b>

# Electroválvulas

Directional Valves  
Électro-distributeurs

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

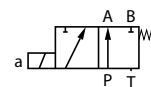
Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Electroválvula Direccional NG6 Corredera nº41A

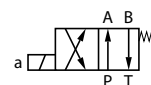
Directional Valve NG6 - Spool nº41A  
Électro NG6-Tiroir nº41A



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-41A-110CA H</b>	NG-6	110 VAC	60	315	<b>88,63</b>
<b>KVNG6-41A-220CA H</b>	NG-6	220 VAC	60	315	<b>88,63</b>
<b>KVNG6-41A-12CC H</b>	NG-6	12 VDC	60	315	<b>88,63</b>
<b>KVNG6-41A-24CC H</b>	NG-6	24 VDC	60	315	<b>88,63</b>

## Electroválvula Direccional NG6 Corredera nº51A

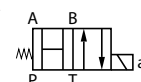
Directional Valve NG6 - Spool nº51A  
Électro NG6-Tiroir nº51A



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-51A-12CC H</b>	NG-6	12 VDC	60	315	<b>88,63</b>
<b>KVNG6-51A-24CC H</b>	NG-6	24 VDC	60	315	<b>88,63</b>
<b>KVNG6-51A-110CA H</b>	NG-6	110 VAC	60	315	<b>88,63</b>
<b>KVNG6-51A-220CA H</b>	NG-6	220 VAC	60	315	<b>88,63</b>

## Electroválvula Direccional NG6 Corredera nº3B

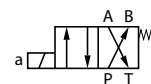
Directional Valve NG6 - Spool nº3B  
Électro NG6-Tiroir nº3B



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-3B-24CC H</b>	NG-6	24 VDC	60	315	<b>88,63</b>
<b>KVNG6-3B-220CA H</b>	NG-6	220 VAC	60	315	<b>88,63</b>

## Electroválvula Direccional NG6 Corredera nº51B

Directional Valve NG6 - Spool nº51B  
Électro NG6-Tiroir nº51B



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-51B-12CC H</b>	NG-6	12 VDC	60	315	<b>81,93</b>
<b>KVNG6-51B-24CC H</b>	NG-6	24 VDC	60	315	<b>81,93</b>
<b>KVNG6-51B-110CA H</b>	NG-6	110 VAC	60	315	<b>81,93</b>
<b>KVNG6-51B-220CA H</b>	NG-6	220 VAC	60	315	<b>81,93</b>

## Electroválvula Direccional NG6 Corredera RK

Directional Valve NG6 - Spool RK  
Électro NG6-Tiroir RK



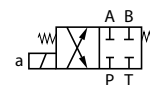
Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-RK-12CC H</b>	NG-6	12 VDC	60	315	<b>114,43</b>
<b>KVNG6-RK-24CC H</b>	NG-6	24 VDC	60	315	<b>114,43</b>
<b>KVNG6-RK-220CA H</b>	NG-6	220 VAC	60	315	<b>114,43</b>

# Electroválvulas

Directional Valves  
Électro-distributeurs

## Electroválvula Direccional NG6 Corredera 1A

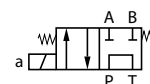
Directional Valve NG6 - Spool nº 1A  
Électro NG6-Tiroir nº 1A



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-1A-12CC H</b>	NG-6	12 VDC	60	315	<b>81,93</b>
<b>KVNG6-1A-24CC H</b>	NG-6	24 VDC	60	315	<b>81,93</b>
<b>KVNG6-1A-220CA H</b>	NG-6	220 VAC	60	315	<b>81,93</b>

## Electroválvula Direccional NG6 Corredera 2A

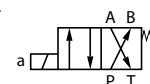
Directional Valve NG6 - Spool nº 2A  
Électro NG6-Tiroir nº 2A



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-2A-12CC H</b>	NG-6	12 VDC	60	315	<b>81,93</b>
<b>KVNG6-2A-24CC H</b>	NG-6	24 VDC	60	315	<b>81,93</b>
<b>KVNG6-2A-220CA H</b>	NG-6	220 VAC	60	315	<b>81,93</b>

## Electroválvula Direccional NG6 Corredera 6A

Directional Valve NG6 - Spool nº 6A  
Électro NG6-Tiroir nº 6A



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6-6A-12CC H</b>	NG-6	12 VDC	60	315	<b>81,93</b>
<b>KVNG6-6A-24CC H</b>	NG-6	24 VDC	60	315	<b>81,93</b>
<b>KVNG6-6A-220CA H</b>	NG-6	220 VAC	60	315	<b>81,93</b>

## Bobinas NG6

Coils NG6  
Bobines NG6



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	€
<b>MR-6-110CA H</b>	NG-6	110 VAC	<b>26,78</b>
<b>MR-6-12060CA H</b>	NG-6	120VAC (60 Hz)	<b>37,40</b>
<b>MR-6-12CC H</b>	NG-6	12 VDC	<b>24,75</b>
<b>MR-6-220CA H</b>	NG-6	220 VAC	<b>23,80</b>
<b>MR-6-24CC H</b>	NG-6	24 VDC	<b>22,00</b>
<b>MR-6-48CC H</b>	NG-6	48 VDC	<b>27,50</b>

Consultar disponibilidad de bobinas a 60 Hz / Consult availability for 60 Hz coils / Consultez disponibilité des bobinas à 60 Hz

## Accesorios electroválvulas NG6/NG10

Directional Valve NG6/NG10 Accessories  
Accessoires Électro NG6/NG10



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>TAPONCOR NG6</b>	Tapón y junta anulación bobina NG6 / Plug and seal for NG6 solenoid cancellation	<b>6,60</b>
<b>TAPONCOR NG10</b>	Tapón y junta anulación bobina NG10/Plug and seal for NG10 solenoid cancellation	<b>9,90</b>



# Electroválvulas

Directional Valves  
Électro-distributeurs

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

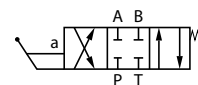
Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Válvula manual NG6 corredera N°1



Manual valve NG6 Spool N°1  
Valve manuelle NG6 tiroir N°1

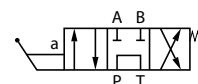


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-1 H</b>	NG-6	60	315	<b>127,93</b>

## Válvula manual NG6 corredera N°2



Manual valve NG6 Spool N°2  
Valve manuelle NG6 tiroir N°2

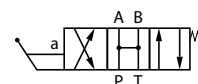


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-2 H</b>	NG-6	60	315	<b>130,90</b>

## Válvula manual NG6 corredera N°3



Manual valve NG6 Spool N°3  
Valve manuelle NG6 tiroir N°3



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-3 H</b>	NG-6	60	315	<b>130,90</b>

## Válvula manual NG6 corredera N°6



Manual valve NG6 Spool N°6  
Valve manuelle NG6 tiroir N°6

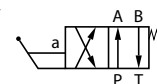


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-6 H</b>	NG-6	60	315	<b>130,90</b>

## Válvula manual NG6 corredera N°51A



Manual valve NG6 Spool N°51A  
Valve manuelle NG6 tiroir N°51A



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-51A H</b>	NG-6	60	315	<b>130,90</b>

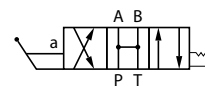
# Electroválvulas

Directional Valves  
Électro-distributeurs



## Válvula manual NG6 corredera N°3 con detención

Manual valve NG6 Spool N°3 with stop  
Valve manuelle NG6 tiroir N°3 avec arrêt

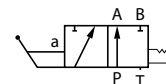


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-E3 H</b>	NG-6	60	315	<b>130,90</b>



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

Manual valve NG6 Spool N°41 with stop  
Valve manuelle NG6 tiroir N°41A avec arrêt

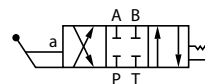


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-E41A H</b>	NG-6	60	315	<b>136,85</b>



## Válvula manual NG6 corredera N°1 con detención

Manual valve NG6 Spool N°1 with stop  
Valve manuelle NG6 tiroir N°1 avec arrêt

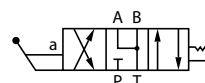


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-E1 H</b>	NG-6	60	315	<b>130,90</b>



## Válvula manual NG6 corredera N°6 con detención

Manual valve NG6 Spool N°6 with stop  
Valve manuelle NG6 tiroir N°6 avec arrêt

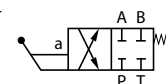


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-E6 H</b>	NG-6	60	315	<b>136,85</b>



## Válvula manual NG6 corredera N°1A

Manual valve NG6 Spool N°1A  
Valve manuelle NG6 tiroir N°1A



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-1A H</b>	NG-6	60	315	<b>130,90</b>

# Electroválvulas

Directional Valves  
Électro-distributeurs

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

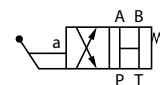
Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Válvula manual NG6 corredera N°3A



Manual valve NG6 Spool N°3A  
Valve manuelle NG6 tiroir N°3A

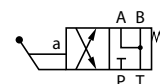


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-3A H</b>	NG-6	60	315	<b>130,90</b>

## Válvula manual NG6 corredera N°6A



Manual valve NG6 Spool N°6A  
Valve manuelle NG6 tiroir N°6A

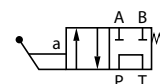


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-6A H</b>	NG-6	60	315	<b>130,90</b>

## Válvula manual NG6 corredera N°2A



Manual valve NG6 Spool N°2A  
Valve manuelle NG6 tiroir N°2A

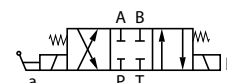


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6M-2A H</b>	NG-6	60	315	<b>130,90</b>

## Electroválvula Direccional NG6 con palanca Corredera nº1



Directional Valve NG6 With Lever - Spool n°1  
Électro NG6 Avec Levier-Tiroir n°1

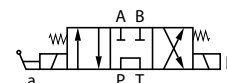


Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6EM-1-12CC H</b>	NG-6	12 VDC	60	315	<b>247,50</b>
<b>KVNG6EM-1-24CC H</b>	NG-6	24 VDC	60	315	<b>247,50</b>
<b>KVNG6EM-1-110CA H</b>	NG-6	110 VAC	60	315	<b>247,50</b>
<b>KVNG6EM-1-220CA H</b>	NG-6	220 VAC	60	315	<b>247,50</b>

## Electroválvula Direccional NG6 con palanca Corredera nº2



Directional Valve NG6 With Lever - Spool n°2  
Électro NG6 Avec Levier-Tiroir n°2



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG6EM-2-12CC H</b>	NG-6	12 VDC	60	315	<b>258,50</b>
<b>KVNG6EM-2-24CC H</b>	NG-6	24 VDC	60	315	<b>258,50</b>
<b>KVNG6EM-2-110CA H</b>	NG-6	110 VAC	60	315	<b>258,50</b>
<b>KVNG6EM-2-220CA H</b>	NG-6	220 VAC	60	315	<b>258,50</b>

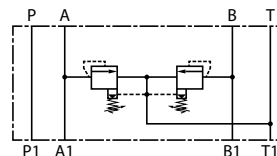
PARA OTRAS CORREDERAS, CONSULTAR / PARA OTRAS CORREDERAS, CONSULTAR / PARA OTRAS CORREDERAS, CONSULTAR

# Electroválvulas

Directional Valves  
Électro-distributeurs

## Limitadoras de Presión NG6 en A y B

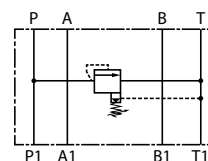
Pressure Relief Valve NG6 in A and B  
Limiteurs de Pression NG6 en A et B



Part nº Referencia	SIZE TAMAÑO	REG. RATE (bar) CAMPO REG. (bar)	€
<b>LPKV-6-D-100 H</b>	NG-6	0-100	<b>113,05</b>
<b>LPKV-6-D-315 H</b>	NG-6	0-315	<b>113,05</b>

## Limitadoras de Presión NG6 en P

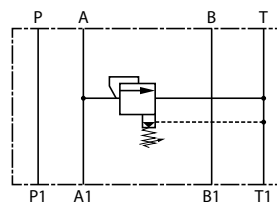
Pressure Relief Valve NG6 in P  
Limiteurs de Pression NG6 en P



Part nº Referencia	SIZE TAMAÑO	REG. RATE (bar) CAMPO REG. (bar)	€
<b>LPKV-6-P-100 H</b>	NG-6	0 - 100	<b>107,10</b>
<b>LPKV-6-P-315 H</b>	NG-6	0 - 315	<b>104,13</b>

## Limitadoras de Presión NG6 en A

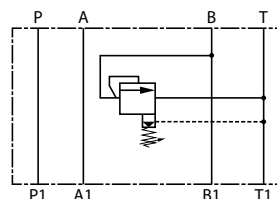
Pressure Relief Valve NG6 in A  
Limiteurs de Pression NG6 en A



Part nº Referencia	SIZE TAMAÑO	DESCRIPTION DESCRIPCIÓN	REG. RATE (bar) CAMPO REG. (bar)	€
<b>LPKV-6-A-100 H</b>	NG-6	Limitadora en A	0 - 100	<b>91,80</b>
<b>LPKV-6-A-315 H</b>	NG-6	Limitadora en A	0 - 315	<b>89,25</b>

## Limitadoras de Presión NG6 en B

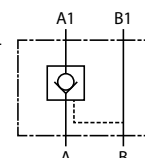
Pressure Relief Valve NG6 in B  
Limiteurs de Pression NG6 en B



Part nº Referencia	SIZE TAMAÑO	DESCRIPTION DESCRIPCIÓN	REG. RATE (bar) CAMPO REG. (bar)	€
<b>LPKV-6-B-100 H</b>	NG-6	Limitadora en A	0 - 100	<b>91,80</b>
<b>LPKV-6-B-315 H</b>	NG-6	Limitadora en A	0 - 315	<b>89,25</b>

## Válvulas Antirretorno Pilotadas NG6 en A

Check Valve with Pilot NG6 in A  
Valves Antiretours avec Pilotage NG6 en A



Part nº Referencia	SIZE TAMAÑO	DESCRIPTION DESCRIPCIÓN	€
<b>APKV-6-A H</b>	NG-6	Antirretorno pilotado en A	<b>81,60</b>

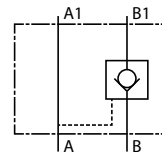
# Electroválvulas

Directional Valves  
Électro-distributeurs

## Válvulas Antirretorno Pilotadas NG6 en B



Check Valve with Pilot NG6 in B  
Valves Antiretours avec Pilotage NG6 en B

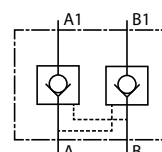


Part nº Referencia	SIZE TAMAÑO	DESCRIPTION DESCRIPCIÓN	€
<b>APKV-6-B H</b>	NG-6	Antirretorno pilotado en B	<b>81,60</b>

## Válvulas Antirretorno Pilotadas NG6 en A y B



Check Valve with Pilot NG6 in A and B  
Valves Antiretours avec Pilotage NG6 en A et B

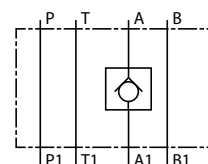


Part nº Referencia	SIZE TAMAÑO	DESCRIPTION DESCRIPCIÓN	€
<b>APKV-6-D H</b>	NG-6	Antirretorno pilotado en A & B	<b>76,50</b>

## Válvulas Antirretorno no pilotadas NG6 en A



Check Valve NG6 without pilot in A  
Valves Antiretours sans pilotage NG6 en A

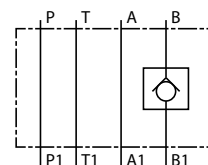


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>AKV-6-A H</b>	NG-6	40	315	<b>61,20</b>

## Válvulas Antirretorno no pilotadas NG6 en B



Check Valve NG6 without pilot in B  
Valves Antiretours sans pilotage NG6 en B

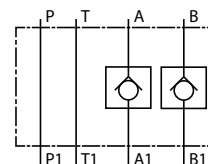


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>AKV-6-B H</b>	NG-6	40	315	<b>61,20</b>

## Válvulas Antirretorno no pilotadas NG6 en A y B



Check Valve NG6 without pilot in A and B  
Valves Antiretours sans pilotage NG6 en A et B



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>AKV-6-D H</b>	NG-6	40	315	<b>63,75</b>

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

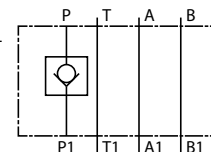
Hydraulic Motors

# Electroválvulas

Directional Valves  
Électro-distributeurs

## Válvulas Antirretorno no pilotadas NG6 en P

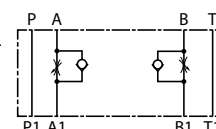
Check Valve NG6 without pilot in P  
Valves Antiretours sans pilotage NG6 en P



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>AKV-6-P H</b>	NG-6	40	315	<b>61,20</b>

## Válvulas Reguladoras de Caudal NG6

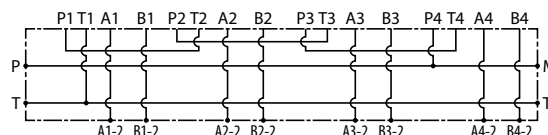
Flow Control Valve NG6  
Étrangleur de Débit NG6



Part nº Referencia	SIZE TAMAÑO	€
<b>RCKV-6-D H</b>	NG-6	<b>91,80</b>

## Placa base NG6 Montaje en Serie sin Limitadora, salidas A y B laterales

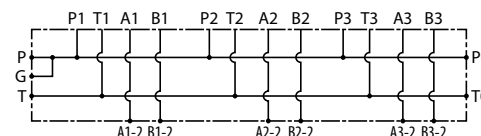
Series Subplate for directional valve NG6 without relief valve, A & B side exits  
Embase pour électro-distributeur-NG6, Sans Limiteur, en Série, sorties A et B latérales



Part nº Referencia	THREAD ROSCA	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PF2SL H</b>	3/8" BSP	2	<b>107,10</b>
<b>PF3SL H</b>	3/8" BSP	3	<b>153,00</b>
<b>PF4SL H</b>	3/8" BSP	4	<b>201,45</b>

## Placa base NG6 Montaje en Paralelo sin Limitadora, salidas A y B laterales

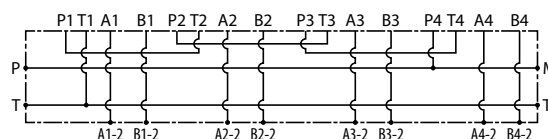
Parallel Subplate for directional valve NG6 without relief valve, A & B side exits  
Embase pour électro-distributeur-NG6, Sans Limiteur, en Parallèle, sorties A et B latérales



Part nº Referencia	THREAD ROSCA	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PF2PL H</b>	3/8" BSP	2	<b>91,80</b>
<b>PF3PL H</b>	3/8" BSP	3	<b>135,15</b>
<b>PF4PL H</b>	3/8" BSP	4	<b>183,60</b>
<b>PF5PL H</b>	3/8" BSP	5	<b>219,30</b>
<b>PF6PL H</b>	3/8" BSP	6	<b>270,30</b>
<b>PF7PL H</b>	3/8" BSP	7	<b>316,20</b>
<b>PF8PL H</b>	3/8" BSP	8	<b>364,65</b>
<b>PF9PL H</b>	3/8" BSP	9	<b>405,45</b>
<b>PF10PL H</b>	3/8" BSP	10	<b>442,17</b>

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

Subplate for directional valves NG6, one element, with relief valve, A & B side exits  
Embase pour électro-distributeur NG6, un élément, Avec Limiteur, sorties A et B latérales



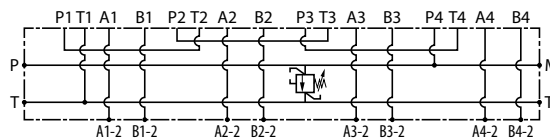
Part nº Referencia	THREAD ROSCA	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PF1CL180 H</b>	3/8" BSP	1	<b>153,00</b>

# Electroválvulas

Directional Valves  
Électro-distributeurs

## Placa base NG6 Montaje en Serie con Limitadora, salidas A y B laterales

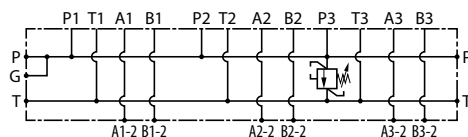
Series Subplate for directional valve NG6 with relief valve, A & B side exits  
Embase pour électro-distributeur-NG6, Avec Limiteur, en Série, sorties A et B latérales



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PF2SLCL180 H</b>	3/8" BSP	Salidas A y B laterales	2	<b>193,80</b>
<b>PF3SLCL180 H</b>	3/8" BSP	Salidas A y B laterales	3	<b>234,60</b>
<b>PF4SLCL180 H</b>	3/8" BSP	Salidas A y B laterales	4	<b>280,50</b>

## Placa base NG6 Montaje en Paralelo con Limitadora, salidas A y B laterales

Parallel Subplate for directional valve NG6 with relief valve, A & B side exits  
Embase pour électro-distributeur-NG6, Avec Limiteur, en Parallèle, sorties A et B latérales



Part nº Referencia	THREAD ROSCA	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PF2PLCL180 H</b>	3/8" BSP	2	<b>170,85</b>
<b>PF3PLCL180 H</b>	3/8" BSP	3	<b>201,45</b>
<b>PF4PLCL180 H</b>	3/8" BSP	4	<b>252,96</b>
<b>PF5PLCL180 H</b>	3/8" BSP	5	<b>298,35</b>
<b>PF6PLCL180 H</b>	3/8" BSP	6	<b>341,70</b>
<b>PF7PLCL180 H</b>	3/8" BSP	7	<b>362,10</b>
<b>PF8PLCL180 H</b>	3/8" BSP	8	<b>466,65</b>
<b>PF9PLCL180 H</b>	3/8" BSP	9	<b>512,55</b>
<b>PF10PLCL180 H</b>	3/8" BSP	10	<b>549,27</b>

## Placa base ciega NG6

Cover plate for NG6  
Embase d'annulation pour électro-distributeur NG6



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>PBCNG06S H</b>	Serie/Series	<b>14,28</b>
<b>PBCNG06P H</b>	Paralelo/Parallel	<b>12,75</b>

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

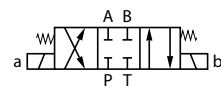
Hydraulic Motors

# Electroválvulas

Directional Valves  
Électro-distributeurs

## Electroválvula Direccional NG10 Corredera nº1

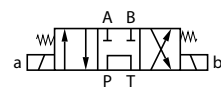
Directional Valve NG10 - Spool nº1  
Électro NG10-Tiroir nº1



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10-1-12CC H</b>	NG-10	12 VDC	120	315	<b>192,50</b>
<b>KVNG10-1-24CC H</b>	NG-10	24 VDC	120	315	<b>192,50</b>
<b>KVNG10-1-110CA H</b>	NG-10	110 VAC	120	315	<b>192,50</b>
<b>KVNG10-1-220CA H</b>	NG-10	220 VAC	120	315	<b>192,50</b>

## Electroválvula Direccional NG10 Corredera nº2

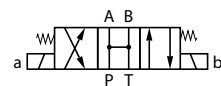
Directional Valve NG10 - Spool nº2  
Électro NG10-Tiroir nº2



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10-2-12CC H</b>	NG-10	12 VDC	120	315	<b>198,00</b>
<b>KVNG10-2-24CC H</b>	NG-10	24 VDC	120	315	<b>198,00</b>
<b>KVNG10-2-110CA H</b>	NG-10	110 VAC	120	315	<b>198,00</b>
<b>KVNG10-2-220CA H</b>	NG-10	220 VAC	120	315	<b>198,00</b>

## Electroválvula Direccional NG10 Corredera nº3

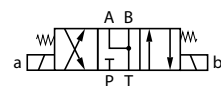
Directional Valve NG10 - Spool nº3  
Électro NG10-Tiroir nº3



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10-3-12CC H</b>	NG-10	12 VDC	120	315	<b>192,50</b>
<b>KVNG10-3-24CC H</b>	NG-10	24 VDC	120	315	<b>192,50</b>
<b>KVNG10-3-110CA H</b>	NG-10	110 VAC	120	315	<b>192,50</b>
<b>KVNG10-3-220CA H</b>	NG-10	220 VAC	120	315	<b>192,50</b>

## Electroválvula Direccional NG10 Corredera nº6

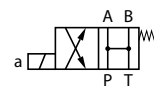
Directional Valve NG10 - Spool nº6  
Électro NG10-Tiroir nº6



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10-6-12CC H</b>	NG-10	12 VDC	120	315	<b>192,50</b>
<b>KVNG10-6-24CC H</b>	NG-10	24 VDC	120	315	<b>192,50</b>
<b>KVNG10-6-110CA H</b>	NG-10	110 VAC	120	315	<b>192,50</b>
<b>KVNG10-6-220CA H</b>	NG-10	220 VAC	120	315	<b>192,50</b>

## Electroválvula Direccional NG10 Corredera nº3A

Directional Valve NG10 - Spool nº3A  
Électro NG10-Tiroir nº3A



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10-3A-12CC H</b>	NG-10	12 VDC	120	315	<b>137,70</b>
<b>KVNG10-3A-24CC H</b>	NG-10	24 VDC	120	315	<b>137,70</b>
<b>KVNG10-3A-110CA H</b>	NG-10	110 VAC	120	315	<b>137,70</b>
<b>KVNG10-3A-220CA H</b>	NG-10	220 VAC	120	315	<b>137,70</b>



# Electroválvulas

Directional Valves  
Électro-distributeurs

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

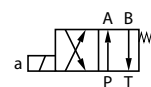
Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Electroválvula Direccional NG10 Corredera nº51A

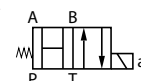
Directional Valve NG10 - Spool nº51A  
Électro NG10-Tiroir nº51A



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10-51A-12CC H</b>	NG-10	12 VDC	120	315	<b>137,70</b>
<b>KVNG10-51A-24CC H</b>	NG-10	24 VDC	120	315	<b>137,70</b>
<b>KVNG10-51A-110CA H</b>	NG-10	110 VAC	120	315	<b>137,70</b>
<b>KVNG10-51A-220CA H</b>	NG-10	220 VAC	120	315	<b>137,70</b>

## Electroválvula Direccional NG10 Corredera nº3B

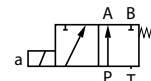
Directional Valve NG10 - Spool nº3B  
Électro NG10-Tiroir nº3B



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10-3B-24CC H</b>	NG-10	24 VDC	120	315	<b>137,70</b>

## Electroválvula Direccional NG10 Corredera nº41A

Directional Valve NG10 - Spool nº41A  
Électro NG10-Tiroir nº41A



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10-41A-12CC H</b>	NG-10	12 VDC	120	315	<b>137,70</b>
<b>KVNG10-41A-24CC H</b>	NG-10	24 VDC	120	315	<b>137,70</b>
<b>KVNG10-41A-220CA H</b>	NG-10	220 VAC	120	315	<b>137,70</b>

## Bobinas NG10

Coils NG10  
Bobines NG10



Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	€
<b>MR-10-12CC H</b>	NG-10	12 VDC	<b>39,19</b>
<b>MR-10-24CC H</b>	NG-10	24 VDC	<b>39,19</b>
<b>MR-10-110AC H</b>	NG-10	110 VAC	<b>39,19</b>
<b>MR-10-220AC H</b>	NG-10	220 VAC	<b>39,19</b>
<b>MR-10-12CC H 1</b>	NG-10	12 VDC	<b>52,80</b>
<b>MR-10-24CC H 1</b>	NG-10	24 VDC	<b>52,80</b>
<b>MR-10-110CA H 1</b>	NG-10	110 VAC	<b>52,80</b>
<b>MR-10-220CA H 1</b>	NG-10	220 VAC	<b>52,80</b>
<b>MR-10-48CC H 1</b>	NG-10	48 VDC	<b>55,00</b>
<b>MR-10-12060CA H</b>	NG-10	120VAC	<b>82,50</b>

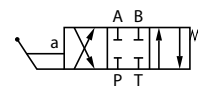
MR-10...H: Ønúcleo = 31,4 mm / MR-10...H 1: Ønúcleo = 31 mm / MR-10...H: Ønucleus = 31,4 mm / MR-10...H 1: Ønucleus = 31 mm / MR-10...H: Ønoyau = 31,4 mm / MR-10...H 1: Ønoyau = 31 mm

# Electroválvulas

Directional Valves  
Électro-distributeurs

## Válvula manual NG10 corredera N°1

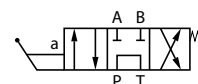
Manual valve NG10 Spool N°1  
Valve manuelle NG10 tiroir N°1



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10M-1 H</b>	NG-10	120	315	<b>202,30</b>

## Válvula manual NG10 corredera N°2

Manual valve NG10 Spool N°2  
Valve manuelle NG10 tiroir N°2



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10M-2 H</b>	NG-10	120	315	<b>202,30</b>

## Válvula manual NG10 corredera N°3

Manual valve NG10 Spool N°3  
Valve manuelle NG10 tiroir N°3



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10M-3 H</b>	NG-10	120	315	<b>202,30</b>

## Válvula manual NG10 corredera N°6

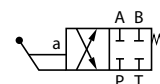
Manual valve NG10 Spool N°6  
Valve manuelle NG10 tiroir N°6



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10M-6 H</b>	NG-10	120	315	<b>202,30</b>

## Válvula manual NG10 corredera N°1A

Manual valve NG10 Spool N°1A  
Valve manuelle NG10 tiroir N°1A



Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10M-1A H</b>	NG-10	120	315	<b>202,30</b>

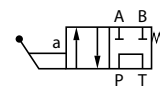
# Electroválvulas

Directional Valves  
Électro-distributeurs

## Válvula manual NG10 corredera N°2A



Manual valve NG10 Spool N°2A  
Valve manuelle NG10 tiroir N°2A

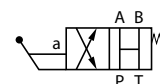


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10M-2A H</b>	NG-10	120	315	<b>202,30</b>

## Válvula manual NG10 corredera N°3A



Manual valve NG10 Spool N°3A  
Valve manuelle NG10 tiroir N°3A

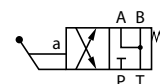


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10M-3A H</b>	NG-10	120	315	<b>202,30</b>

## Válvula manual NG10 corredera N°6A



Manual valve NG10 Spool N°6A  
Valve manuelle NG10 tiroir N°6A

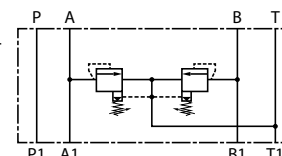


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG10M-6A H</b>	NG-10	120	315	<b>202,30</b>

## Limitadoras de Presión NG10 en A y B



Pressure Relief Valve NG10 in A and B  
Limiteur de Pression NG10 en A et B

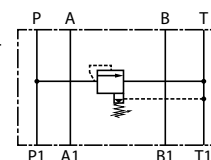


Part nº Referencia	SIZE TAMAÑO	REG. RATE (bar) CAMPO REG. (bar)	€
<b>LPKV-10-D-100 H</b>	NG-10	0 - 100	<b>154,00</b>
<b>LPKV-10-D-315 H</b>	NG-10	0 - 315	<b>154,00</b>

## Limitadoras de Presión NG10 en P



Pressure Relief Valve NG10 in P  
Limiteur de Pression NG10 en P



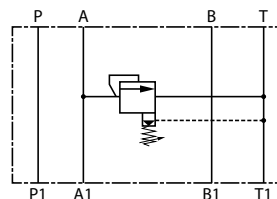
Part nº Referencia	SIZE TAMAÑO	REG. RATE (bar) CAMPO REG. (bar)	€
<b>LPKV-10-P-100 H</b>	NG-10	0 - 100	<b>148,50</b>
<b>LPKV-10-P-315 H</b>	NG-10	0 - 315	<b>148,50</b>

# Electroválvulas

Directional Valves  
Électro-distributeurs

## Limitadoras de Presión NG10 en A

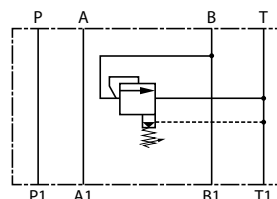
Pressure Relief Valve NG10 in A  
Limiteur de Pression NG10 en A



Part nº Referencia	SIZE TAMAÑO	REG. RATE (bar) CAMPO REG. (bar)	€
<b>LPKV-10-A-100 H</b>	NG-10	0 - 100	<b>148,50</b>
<b>LPKV-10-A-315 H</b>	NG-10	0 - 315	<b>148,50</b>

## Limitadoras de Presión NG10 en B

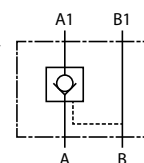
Pressure Relief Valve NG10 in B  
Limiteur de Pression NG10 en B



Part nº Referencia	SIZE TAMAÑO	REG. RATE (bar) CAMPO REG. (bar)	€
<b>LPKV-10-B-100 H</b>	NG-10	0 - 100	<b>148,50</b>
<b>LPKV-10-B-315 H</b>	NG-10	0 - 315	<b>148,50</b>

## Válvula Antirretorno Pilotada NG10 en A

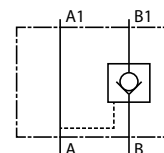
Check Valve with Pilot NG10 in A  
Valve Antiretour avec Pilot NG10 en A



Part nº Referencia	SIZE TAMAÑO	€
<b>APKV-10-A H</b>	NG-10	<b>114,75</b>

## Válvula Antirretorno Pilotada NG10 en B

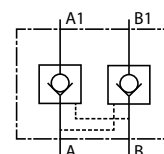
Check Valve with Pilot NG10 in B  
Valve Antiretour avec pilotage NG10 en B



Part nº Referencia	SIZE TAMAÑO	DESCRIPTION DESCRIPCIÓN	€
<b>APKV-10-B H</b>	NG-10	Antirretorno en B	<b>114,75</b>

## Válvula Antirretorno Pilotada NG10 en A y B

Check Valve with Pilot NG10 in A and B  
Valve Antiretour avec pilotage NG10 en A et B



Part nº Referencia	SIZE TAMAÑO	€
<b>APKV-10-D H</b>	NG-10	<b>117,30</b>

# Electroválvulas

Directional Valves  
Électro-distributeurs

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

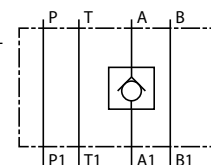
Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Válvula Antirretorno no pilotada NG10 en A



Check Valve NG10 without pilot en A  
Valve Antiretour sans pilotage NG10 en A

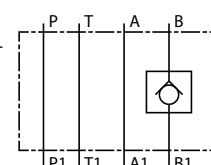


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>AKV-10-A H</b>	NG-10	100	315	<b>91,80</b>

## Válvula Antirretorno no pilotada NG10 en B



Check Valve NG10 without pilot en B  
Valve Antiretour sans pilotage NG10 en B

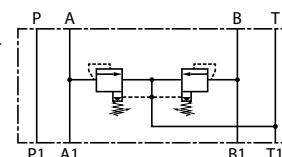


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>AKV-10-B H</b>	NG-10	100	315	<b>91,80</b>

## Válvula Antirretorno no pilotada NG10 en A y B



Check Valve NG10 without pilot en A y B  
Valve Antiretour sans pilotage NG10 en A y B

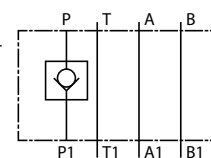


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>AKV-10-D H</b>	NG-10	100	315	<b>96,90</b>

## Válvula Antirretorno no pilotada NG10 en P



Check Valve NG10 without pilot en P  
Valve Antiretour sans pilotage NG10 en P

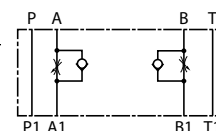


Part nº Referencia	SIZE TAMAÑO	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>AKV-10-P H</b>	NG-10	100	315	<b>91,80</b>

## Válvula Reguladora de Caudal NG10 en A y B con antirretorno



Flow Control Valve NG10 in A and B with check valve  
Étrangleur de Débit NG10 en A et B avec antirretour



Part nº Referencia	SIZE TAMAÑO	€
<b>RCKV-10-D H</b>	NG-10	<b>142,80</b>

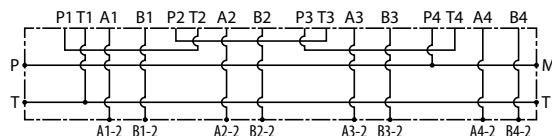
# Electroválvulas

Directional Valves  
Électro-distributeurs



## Placa base ng-10 Montaje en Serie - Sin Limitadora, salidas A y B laterales

Series subplate for directional valve NG 10 without relief valve, A & B side exits  
Embase pour électro-distributeur NG10, Sans Limiteur, en Série, sorties A et B latérales

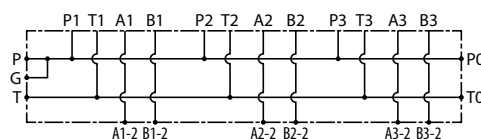


Part nº Referencia	SIZE TAMAÑO	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PFNG102SL H</b>	NG-10	2	<b>249,15</b>
<b>PFNG103SL H</b>	NG-10	3	<b>345,40</b>
<b>PFNG104SL H</b>	NG-10	4	<b>449,90</b>



## Placa base ng-10 Montaje en Paralelo - Sin Limitadora, salidas A y B laterales

Parallel subplate for directional valve NG10 without relief valve, A & B side exits  
Embase pour électro-distributeur NG10, Sans Limiteur, en Parallèle, sorties A et B latérales



Part nº Referencia	SIZE TAMAÑO	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PFNG102PL H</b>	NG-10	2	<b>223,38</b>
<b>PFNG103PL H</b>	NG-10	3	<b>337,70</b>
<b>PFNG104PL H</b>	NG-10	4	<b>412,08</b>
<b>PFNG105PL H</b>	NG-10	5	<b>540,65</b>



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

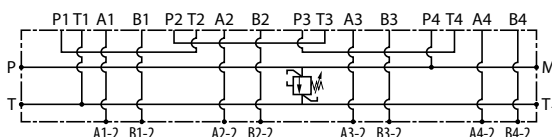
Subplate for directional valves N10, one element, with relief valve, A & B side exits  
Embase pour électro-distributeur NG10, un élément, Avec Limiteur, sorties A et B latérales

Part nº Referencia	THREAD ROSCA	SIZE TAMAÑO	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PF1NG10CL180 H</b>	1/2" BSP	NG-10	1	<b>232,05</b>



## Placa base ng-10 Montaje en Serie - Con Limitadora, salidas A y B laterales

Series subplate for directional valve NG10 with relief valve, A & B side exits  
Embase pour électro-distributeur NG10, Avec Limiteur, en Série, sorties A et B latérales

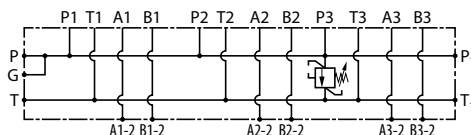


Part nº Referencia	SIZE TAMAÑO	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PFNG102SLCL180 H</b>	NG-10	2	<b>320,59</b>
<b>PFNG103SLCL180 H</b>	NG-10	3	<b>413,10</b>
<b>PFNG104SLCL180 H</b>	NG-10	4	<b>515,10</b>



## Placa base ng-10 Montaje en Paralelo - Con Limitadora, salidas A y B laterales

Parallel subplate for directional valves NG10 with relief valve, A & B side exits  
Embase pour électro-distributeur NG10, Avec Limiteur, en Parallèle, sorties A et B latérales



Part nº Referencia	SIZE TAMAÑO	DIRECT. VALVES NR. Nº ELECTROVÁLVULAS	€
<b>PFNG102PLCL180 H</b>	NG-10	2	<b>320,59</b>
<b>PFNG103PLCL180 H</b>	NG-10	3	<b>413,10</b>
<b>PFNG104PLCL180 H</b>	NG-10	4	<b>511,53</b>
<b>PFNG105PLCL180 H</b>	NG-10	5	<b>603,33</b>

# Electroválvulas

Directional Valves  
Électro-distributeurs

## Placa base ciega NG10



Cover plate for NG10

Embase d'annulation pour électro-distributeur NG10

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>PBCNG10S H</b>	Serie	<b>17,85</b>
<b>PBCNG10P H</b>	Paralelo	<b>16,83</b>

Tank Accessories, Filters  
/ Pumps / Motors

Control Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
Packs

Pressure Switches/  
Heating Interchangers

Hydraulic Motors

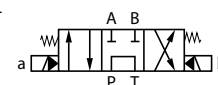
# Electroválvulas

Directional Valves  
Électro-distributeurs

## Electroválvula Direccional NG16 Corredera nº1



Directional Valve NG16 - Spool nº1  
Électro NG16-Tiroir nº1

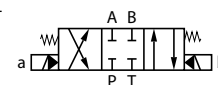


Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG16-1-12CC H</b>	NG-16	12 VDC	300	350	<b>387,60</b>
<b>KVNG16-1-24CC H</b>	NG-16	24 VDC	300	350	<b>387,60</b>
<b>KVNG16-1-110CA H</b>	NG-16	110 VAC	300	350	<b>387,60</b>
<b>KVNG16-1-220CA H</b>	NG-16	220 VAC	300	350	<b>387,60</b>

## Electroválvula Direccional NG16 Corredera nº2



Directional Valve NG16 - Spool nº2  
Électro NG16-Tiroir nº2

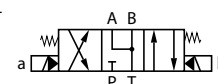


Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG16-2-12CC H</b>	NG-16	12 VDC	300	350	<b>367,20</b>
<b>KVNG16-2-24CC H</b>	NG-16	24 VDC	300	350	<b>367,20</b>
<b>KVNG16-2-110CA H</b>	NG-16	110 VAC	300	350	<b>367,20</b>
<b>KVNG16-2-220CA H</b>	NG-16	220 VAC	300	350	<b>367,20</b>

## Electroválvula Direccional NG16 Corredera nº3



Directional Valve NG16 - Spool nº3  
Électro NG16-Tiroir nº3

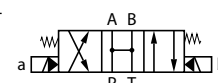


Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG16-3-12CC H</b>	NG-16	12 VDC	300	350	<b>367,20</b>
<b>KVNG16-3-24CC H</b>	NG-16	24 VDC	300	350	<b>367,20</b>
<b>KVNG16-3-110CA H</b>	NG-16	110 VAC	300	350	<b>367,20</b>
<b>KVNG16-3-220CA H</b>	NG-16	220 VAC	300	350	<b>367,20</b>

## Electroválvula Direccional NG16 Corredera nº4



Directional Valve NG16 - Spool nº4  
Électro NG16-Tiroir nº4

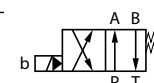


Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG16-4-12CC H</b>	NG-16	12 VDC	300	350	<b>387,60</b>
<b>KVNG16-4-24CC H</b>	NG-16	24 VDC	300	350	<b>387,60</b>
<b>KVNG16-4-110CA H</b>	NG-16	110 VAC	300	350	<b>387,60</b>
<b>KVNG16-4-220CA H</b>	NG-16	220 VAC	300	350	<b>387,60</b>

## Electroválvula Direccional NG16 Corredera nº22



Directional Valve NG16 - Spool nº22  
Électro NG16-Tiroir nº22

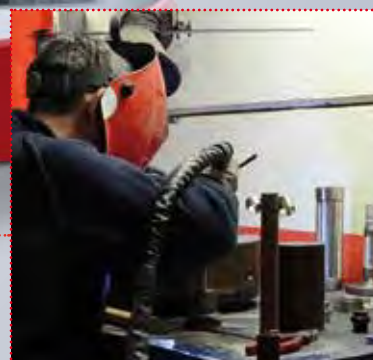
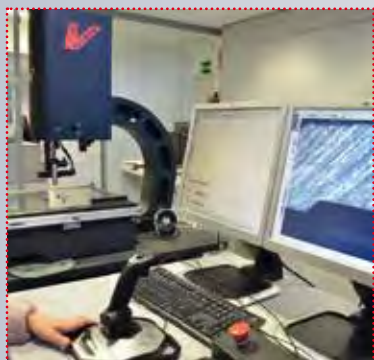


Part nº Referencia	SIZE TAMAÑO	VOLTAGE (V) VOLTAJE (V)	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>KVNG16-22-12CC H</b>	NG-16	12 VDC	300	350	<b>336,60</b>
<b>KVNG16-22-24CC H</b>	NG-16	24 VDC	300	350	<b>336,60</b>
<b>KVNG16-22-110CA H</b>	NG-16	110 VAC	300	350	<b>336,60</b>
<b>KVNG16-22-220CA H</b>	NG-16	220 VAC	300	350	<b>336,60</b>



AMPLIAMOS INSTALACIONES  
WE'RE EXPANDING OUR FACILITIES

# 18.500m<sup>2</sup>



# Mini-centrales hidráulicas

*Hydraulic Mini Power Packs*

Minicentrales hydrauliques

## **Mini-centrales completas**

*Assembled mini power packs*

Mini-centrales montées

242

## **Minicentrales completas para aplicaciones industriales**

*Complete mini-power packs for industrial applications*

Minicentrales complètes pour applications industrielles

243

## **Motores**

*Motors*

Moteurs

244

## **Bloque central, soporte y tapones**

*Center block, support and plugs*

Support, bloc et bouchons

245

## **Bombas, campanas y acoplamientos**

*Pumps, bellhousings and couplings*

Pompes, lanternes et accouplements

246

## **Dépositos, filtros, tapones aireadores y bridas**

*Tanks, filters, air breathers and flanges*

Réservoirs, filtres, bouchons aireateurs

247

## **Válvulas y Placas base**

*Valves and Subplates*

Valves et Embases

248



5

## Mini-centrales completas

Assembled mini power packs  
Mini-centrales montées

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

Mini power pack direct current for single acting circuit, descent valve, without tank  
Mini-centrale CC pour circuit simple effet, valve descente, sans réservoir



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	FLOW (cm <sup>3</sup> ) CAUDAL (cm <sup>3</sup> )	€
<b>MINICENTRAL12SE12</b>	12 VDC	3	<b>746,59</b>
<b>MINICENTRAL24SE24</b>	24 VDC	3	<b>746,59</b>

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

Mini power pack AC. Subplate, directional valve, without tank  
Mini-centrale CA. Embase, electro, sans réservoir



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	FLOW (cm <sup>3</sup> ) CAUDAL (cm <sup>3</sup> )	POWER (HP) POTENCIA (CV)	€
<b>MINICENTRALCAT1</b>	Electroválvula (*)/Directional valve (*)	220/50	3,2	2	<b>1.037,63</b>
<b>MINICENTRALCAT2</b>	Electroválvula (*)/Directional valve (*)	220/380	5	3	<b>961,70</b>

A definir según aplicación / To define according to application / Définir selon application.

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

Power Unit - exit P-T AC without tank  
Groupe Moteur- Pompe -sortie P-T CA, sans réservoir



Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	FLOW (cm <sup>3</sup> ) CAUDAL (cm <sup>3</sup> )	POWER (HP) POTENCIA (CV)	€
<b>MINICENTRALCAT3</b>	220/50	3,2	2	<b>1.062,94</b>
<b>MINICENTRALCAT4</b>	220/380	5	3	<b>968,03</b>

EXPLÍQUENOS LA APLICACIÓN FINAL PARA DETERMINAR QUÉ TIPO DE DEPÓSITO ES EL ADECUADO / TELL US ABOUT YOUR FINAL APPLICATION TO DETERMINE THE SUITABLE TANK / EXPLIQUEZ-NOUS L'APPLICATION FINALE POUR DETERMINER LE TYPE DE RÉSERVOIR

# Minicentrales completas para aplicaciones industriales


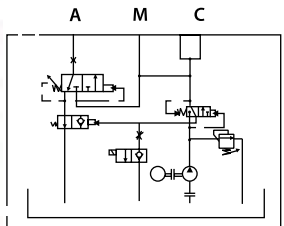

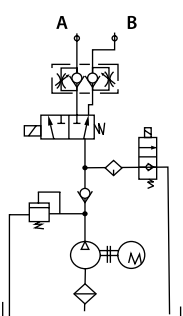

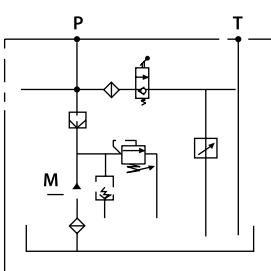

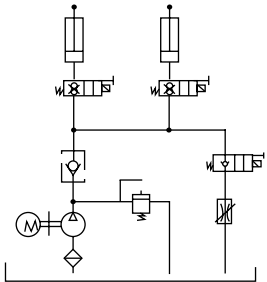

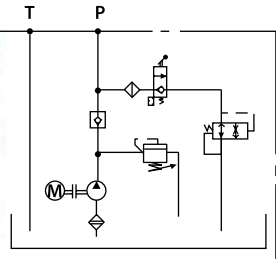

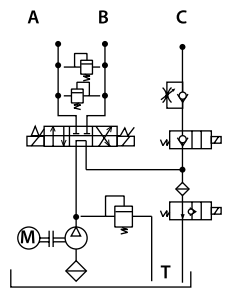
Complete mini-power packs for industrial applications  
Minicentrales complètes pour applications industrielles

## Minicentrales completas para aplicaciones industriales

Assembled mini power packs for industrial applications  
Mini-centrales montées pour des applications industrielles

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>MINICENTRALCAT5</b>	Muelle carga/Dock leveler	<b>1.062,94</b>
<b>MINICENTRALCCT6</b>	Portón/Tail gate	<b>1.581,75</b>
<b>MINICENTRALCAT7</b>	Elevador coches tipo 1 / Car lift, type 1	<b>607,39</b>
<b>MINICENTRALCAT8</b>	Elevador coches, tipo 2 / Car lift, type 2	<b>1.391,94</b>
<b>MINICENTRALCCT9</b>	Carretilla eléctrica / Manual electric stacker	<b>784,55</b>
<b>MINICENTRALCCT10</b>	Máquina quitanieves / Snow plow	<b>1.619,71</b>

Para otras aplicaciones industriales, consultar / For other industrial applications, consult us / Pour d'autres applications industrielles, consultez-nous

MINICENTRALCAT5	MINICENTRALCCT6	MINICENTRALCAT7
 	 	 
MINICENTRALCAT8	MINICENTRALCCT9	MINICENTRALCCT10
 	 	 

# Motores

Motors  
Moteurs

## Motor Corriente Continua



Direct Current Motor  
Moteur Courant Continu

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	€
<b>MCM12CC H-TD</b>	Con relé / With relay	12 VDC	1600	<b>284,72</b>
<b>MCM24DC H-TD</b>		24 VDC	2200	<b>284,72</b>

## Relé



Relay  
Relais

Part nº Referencia	VOLTAGE (V) VOLTAJE (V)	€
<b>MCR12CC H-TD</b>	12 VDC	<b>58,14</b>
<b>MCR24CC H-TD</b>	24 VDC	<b>66,86</b>

## Carcasa protectora plástico Motor CC



Plastic protective casing for DC Motor  
Carcasse de protection en plastique pour Moteur CC

Part nº Referencia	€
<b>PROTMOTDC</b>	<b>15,82</b>

## MOTOR ELÉCTRICO · ELECTRIC MOTOR

**TrAie®**

Amplia variedad según su aplicación final:

- Potencia (de 0.25 a 75 CV)
- Conexión de montaje: B3B5, B14
- Monofásicos / trifásicos.

Wide variety according to the final applications:

- Power (from 0.25 to 75 HP)
- Type: B3B5, B14
- Single-phase / three-phase.

IE2

CE



# Bloque central, soporte y tapones

Center block, support and plugs  
Support, bloc et bouchons

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Bloque



Center block  
Bloc central

Part nº Referencia	€
<b>BLOCEN-TD</b>	<b>133,72</b>

## Soporte para bloque



Support for center block  
Support pour bloc central

Part nº Referencia	€
<b>MC001 H-TD</b>	<b>16,28</b>

## Tapones



Plugs  
Bouchons

Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>MC030 H-TD</b>	3/4" -16 UNF	Anulación válvula descenso	<b>7,59</b>

## Bridas



Flanges  
Brides

Referencia Part nº	DESCRIPCIÓN DESCRIPTION	€
<b>MC002H-TD</b>	Para motor/bloque central - For motor/center block	<b>9,49</b>

# Bombas, campanas y acoplamientos

Pumps, bellhousings and Couplings  
Pompes, lanternes et accouplements

## Bombas de engranajes



Gear pumps  
Pompes à engrenage

Part nº Referencia	FLOW (cm <sup>3</sup> ) CAUDAL (cm <sup>3</sup> )	€
<b>MCB11 H-TD</b>	1	<b>101,23</b>
<b>MCB16 H-TD</b>	1,6	<b>101,23</b>
<b>MCB21 H-TD</b>	2	<b>101,23</b>
<b>MCB23 H-TD</b>	2,5	<b>101,23</b>
<b>MCB27 H-TD</b>	2,7	<b>107,56</b>
<b>MCB32 H-TD</b>	3,3	<b>107,56</b>
<b>MCB37 H-TD</b>	3,7	<b>107,56</b>
<b>MCB42 H-TD</b>	4,2	<b>107,56</b>
<b>MCB48 H-TD</b>	4,8	<b>107,56</b>
<b>MCB58 H-TD</b>	5,8	<b>107,56</b>
<b>MCB70 H-TD</b>	7	<b>120,21</b>
<b>MCB80 H-TD</b>	8	<b>120,21</b>
<b>MCB98 H-TD</b>	9	<b>120,21</b>

## Bombas manuales



Hand pumps  
Pompes à main

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	CM <sup>3</sup> /REV	€
<b>MC044 H-TD</b>	Incluye taco/It includes fitting accessories	8	<b>253,66</b>

## Campanas



Bellhousings  
Lanternes

Part nº Referencia	POWER (HP) POTENCIA (CV)	€
<b>MC034 H-TD</b>	0,33	<b>34,80</b>
<b>MC024 H-TD</b>	0,5-1	<b>37,96</b>
<b>MC025 H-TD</b>	1,5-2	<b>11,39</b>
<b>MC026 H-TD</b>	3-5,5	<b>47,45</b>

## Acoplamiento y adaptadores



Couplings and adaptors  
Accouplements et adapteurs

Part nº Referencia	EJE	€
<b>MC035 H-TD</b>	14 mm	<b>25,31</b>
<b>MC027 H-TD</b>	19 mm	<b>25,31</b>
<b>MC028 H-TD</b>	24 mm	<b>28,47</b>
<b>MC029 H-TD</b>	28 mm	<b>37,96</b>



# Dépositos, filtros, tapones aireadores

Tanks, Filters and Air Breathers

Réservoirs, Filtres et Bouchons Aireateurs

Tank Accessories, Filters  
/ Pumps / Motors

Control Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
Packs

Pressure Switches/  
Heating Interchangers

Hydraulic Motors

## Depósitos

Tanks  
Réservoirs



Part nº Referencia	CAPACITY (l) CAPACIDAD (l)	€
MCD2 H-TD	2	40,70
MCD3 H-TD	3	40,70
MCD4 H-TD	4	50,62
MCD5 H-TD	5	50,62
MCD6 H-TD	6	50,62
MCD8 H-TD	8	56,94
MCD10 H-TD	10	56,94
MCD11 H-TD	11	69,60
MCD12 H-TD	12	69,60
MCD15 H-TD	15	82,25
MCD20 H-TD	20	107,56
MCD25 H-TD	25	107,56
MCD30 H-TD	30	107,56
MCD2V H-TD	2	40,70
MCD3V H-TD	3	40,70
MCD4V H-TD	4	50,62
MCD5V H-TD	5	50,62
MCD6V H-TD	6	50,62
MCD8V H-TD	8	56,94
MCD10V H-TD	10	56,94
MCD11V H-TD	11	69,60
MCD12V H-TD	12	69,60
MCD15V H-TD	15	82,25
MCD20V H-TD	20	107,56
MCD30V H-TD	30	107,56

MCDV H-TD= Vertical; MCD H-TD= Horizontal

## Filtros

Filters  
Filtres



Part nº Referencia	Ø OUTER Ø EXT.	€
MC006 H-TD	63 mm	12,65
MC007 H-TD	80 mm	12,65

## Tapones aireadores

Air breather  
Bouchon aireateur



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
MC004 H-TD	1/2" BSP	Aireador p/ depósito	6,33
MC045 H-TD	3/8" BSP	Aireador p/ depósito	5,81

# Válvulas y Placas base

Valves and Subplates  
Valves et Embases

## Válvulas de descenso



Descent valves  
Valve descente

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAGE (V)	€
<b>MC010 H-TD</b>	N.C.	12 VDC	<b>120,21</b>
<b>MC011 H-TD</b>	N.C.	24 VDC	<b>120,21</b>
<b>MC012 H-TD</b>	N.C.	110 VAC	<b>132,87</b>
<b>MC013 H-TD</b>	N.C.	220 VAC	<b>132,87</b>
<b>MC014 H-TD</b>	N.C.	24 VAC	<b>132,87</b>
<b>MC015 H-TD</b>	N.C.	110 RAC	<b>139,19</b>
<b>MC016 H-TD</b>	N.C.	220 RAC	<b>139,19</b>
<b>MC017 H-TD</b>	N.A./N.O.	12 VDC	<b>139,19</b>
<b>MC018 H-TD</b>	N.A./N.O.	24 VDC	<b>127,91</b>
<b>MC033 H-TD</b>	N.A./N.O.	220 RAC	<b>145,35</b>

## Válvulas limitadoras

Pressure relief valves  
Limiteurs pression



Part nº Referencia	REG. RATE (bar) CAMPO REG. (bar)	€
<b>MC031 H-TD</b>	10-100	<b>40,69</b>

## Válvulas reguladoras de caudal

Flow control valve  
Valve régulatrice de débit



Part nº Referencia	THREAD ROSCA	Ø OUTER Ø EXT.	€
<b>MC019 H-TD</b>	UNF 3/4"-16	12,6 mm	<b>37,96</b>

## Placas base



Subplates  
Embases

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>MC020 H-TD</b>	Soporte adaptador placa base	<b>12,65</b>
<b>MC021 H-TD</b>	Para 1 electroválvula en serie	<b>50,62</b>
<b>MC022 H-TD</b>	Para electroválvulas en paralelo	<b>50,62</b>

# NOVEDADES

## COMPONENTES HIDRÁULICOS

NEWS ON HYDRAULIC COMPONENTS



Motores Eléctricos  
Electric Motors



Minicentrales  
Minipower Packs



Distribuidores Proporcionales  
Proportional Control Valve



Intercambiadores de Calor  
Heat exchangers



Válvulas eléctricas / manuales  
Solenoid Valve with Manual Control



Regulador de caudal proporcional  
Proportional flow control valves



Joysticks hidráulicos  
Hydraulic Joysticks



Bombas manuales  
Hand pumps



Motores orbitales tipo MOMR con eje cilíndrico diámetro 32 mm y eje estriado tipo agrícola

MOMR Orbital motor with 32mm cylindrical shaft and splined shaft



Ampliación en gama TRΔLE® de electroválvulas y elementos modulares NG6 y NG10 (CETOP 3 y 5)

New and wider range of TRΔLE® directional and stacking valves NG6 & NG10 (CETOP 3 & 5)

# Presostatos / Intercambiadores

*Pressure Switches/Heat exchangers*  
Pressostats/Échangeurs de chaleur

## **Presostatos**

*Pressure switches*  
Pressostats

**252**

## **Intercambiadores de calor**

*Heat exchangers*  
Échangeurs de chaleur

**253**



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# Presostatos

Pressure switches  
Pressostats

## Presostatos monocontacto regulables serie K4- NA BSP

Adjustable monocontact pressure switch K4 serie- N.O.  
Pressostats 1 contact regulables série K4-N.O.



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	EXECUTION EJECUCIÓN	REG. RATE (bar) CAMPO REG. (bar)	€
<b>K4RAF1</b>	1/4"	25	membrana	0,2 - 2,5	<b>30,64</b>
<b>K4SAF1</b>	1/4"	25	membrana	1 - 12	<b>30,64</b>
<b>K4SPAF1</b>	1/4"	300	pistón	1 - 12	<b>34,91</b>
<b>K4TAF1</b>	1/4"	200	membrana	5 - 50	<b>34,91</b>
<b>K4VAF1</b>	1/4"	300	pistón	10 - 100	<b>34,91</b>
<b>K4ZAF1</b>	1/4"	300	pistón	20 - 200	<b>34,91</b>

## Presostatos monocontacto regulables serie K4- NC BSP

Adjustable monocontact pressure switch K4 serie- N.C.  
Pressostats 1 contact regulables série K4-N.F.



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	EXECUTION EJECUCIÓN	REG. RATE (bar) CAMPO REG. (bar)	€
<b>K4RCF1</b>	1/4"	25	membrana	0,2 - 2,5	<b>30,64</b>
<b>K4SCF1</b>	1/4"	25	membrana	1 - 12	<b>30,64</b>
<b>K4SPCF1</b>	1/4"	300	pistón	1 - 12	<b>34,91</b>
<b>K4TCF1</b>	1/4"	200	membrana	5 - 50	<b>34,91</b>
<b>K4TPCF1</b>	1/4"	300	pistón	5 - 50	<b>34,93</b>
<b>K4VCF1</b>	1/4"	300	pistón	10 - 100	<b>34,91</b>
<b>K4ZCF1</b>	1/4"	300	pistón	20 - 200	<b>34,91</b>

## Presostatos conmutados regulables serie F3 BSP

Adjustable pressure switch F3 series  
Pressostats commutés réglables série F3



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>F31</b>	1/4"	25	1 - 10	<b>48,98</b>
<b>F33P</b>	1/4"	300	5 - 50	<b>52,46</b>
<b>F35P</b>	1/4"	300	10 - 100	<b>52,46</b>
<b>F37</b>	1/4"	300	30 - 250	<b>52,46</b>

## Presostatos conmutados regulables a pistón serie K5 BSP

Adjustable pressure switch K5 series  
Pressostats commutés réglables série K5



Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	REG. RATE (bar) CAMPO REG. (bar)	€
<b>K53P</b>	1/4" Hembra BSP	200	2 - 40	<b>159,78</b>
<b>K54P</b>	1/4" Hembra BSP	300	5 - 100	<b>159,78</b>
<b>K55P</b>	1/4" Hembra BSP	400	20 - 200	<b>159,78</b>
<b>K57P</b>	1/4" Hembra BSP	500	30 - 300	<b>159,78</b>
<b>K59P</b>	1/4" Hembra BSP	600	40 - 400	<b>159,78</b>

# Intercambiadores de calor

Heat exchangers  
Échangeurs de chaleur

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Intercambiadores de calor aceite/aire -serie ICT BSP



Heat exchangers oil/air - ICT series  
Échangeurs de chaleur huile/air - série ICT

Part nº Referencia	THREAD ROSCA	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	MIN. FLOW (l/min) CAUDAL MIN.	MAX. FLOW (l/min) CAUDAL MÁX.	CAPACITY (l) CAPACIDAD (l)	PROTECTION (IP) PROTECCIÓN (IP)	€
<b>ICT21012VDC</b>	1"	12 VDC	70	25	100	1,7	64	<b>514,49</b>
<b>ICT21024VDC</b>	1"	24 VDC	70	25	100	1,7	64	<b>514,49</b>
<b>ICT25012VDC</b>	1"	12 VDC	180	25	150	2	68	<b>720,28</b>
<b>ICT25024VDC</b>	1"	24 VDC	180	25	150	2	68	<b>720,28</b>
<b>ICT250/212VDC</b>	1"	12 VDC	180	50	200	4	68	<b>823,18</b>
<b>ICT250/224VDC</b>	1"	24 VDC	180	50	200	4	68	<b>823,18</b>
<b>ICT39012VDC</b>	1"	12 VDC	240	50	250	5	68	<b>1.003,25</b>
<b>ICT39024VDC</b>	1"	24 VDC	240	50	250	5	68	<b>1.003,25</b>

# Motores Hidráulicos

*Hydraulic Motors*

Moteurs Hydrauliques

## **Motores hidráulicos lentos**

*Hydraulic motors*

Moteurs hydrauliques

**256**

## **Orbitroles**

*Steering units*

Direction hydrostatique

**259**





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# Motores hidráulicos lentos

Hydraulic motors  
Moteurs hydrauliques

## Motor MOMM

MOMM type motor  
Moteur type MOMM



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE CONT. PRESION MAX. CONT.	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	CM <sup>3</sup> /REV	PLUG TOMAS	€
<b>MOMM8 E</b>	3/8" BSP	16	100	200	8	Traseras/End	<b>284,98</b>
<b>MOMM8 S</b>	3/8" BSP	16	100	200	8	Laterales/Side	<b>284,98</b>
<b>MOMM12.5 E</b>	3/8" BSP	20	100	200	12,5	Traseras/End	<b>284,98</b>
<b>MOMM12.5 S</b>	3/8" BSP	20	100	200	12,5	Laterales/Side	<b>284,98</b>
<b>MOMM20 E</b>	3/8" BSP	20	100	200	20	Traseras/End	<b>291,98</b>
<b>MOMM20 S</b>	3/8" BSP	20	100	200	20	Laterales/Side	<b>291,98</b>
<b>MOMM32 E</b>	3/8" BSP	20	100	200	32	Traseras/End	<b>298,48</b>
<b>MOMM32 S</b>	3/8" BSP	20	100	200	32	Laterales/Side	<b>298,48</b>
<b>MOMM50 E</b>	3/8" BSP	20	70	125	50	Traseras/End	<b>327,82</b>
<b>MOMM50 S</b>	3/8" BSP	20	70	125	50	Laterales/Side	<b>327,82</b>

## Motor MOMP

MOMP type motor  
Moteur type MOMP



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE CONT. PRESION MAX. CONT.	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	CM <sup>3</sup> /REV	€
<b>MOMP40</b>	1/2" BSP	35	100	170	40	<b>235,88</b>
<b>MOMP50</b>	1/2" BSP	40	140	210	50	<b>235,88</b>
<b>MOMP80</b>	1/2" BSP	60	140	210	80	<b>241,43</b>
<b>MOMP100</b>	1/2" BSP	60	140	210	100	<b>246,98</b>
<b>MOMP125</b>	1/2" BSP	60	140	210	125	<b>252,53</b>
<b>MOMP160</b>	1/2" BSP	60	140	210	160	<b>258,08</b>
<b>MOMP200</b>	1/2" BSP	60	135	210	200	<b>263,63</b>
<b>MOMP250</b>	1/2" BSP	60	105	175	250	<b>269,18</b>
<b>MOMP315</b>	1/2" BSP	60	80	160	315	<b>274,73</b>
<b>MOMP400</b>	1/2" BSP	60	65	140	400	<b>280,28</b>

## Motor MOMR

MOMR type motor  
Moteur type MOMR



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE CONT. PRESION MAX. CONT.	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	CM <sup>3</sup> /REV	€
<b>MOMR50</b>	1/2" BSP	40	140	210	50	<b>266,40</b>
<b>MOMR80</b>	1/2" BSP	60	160	210	80	<b>266,40</b>
<b>MOMR100</b>	1/2" BSP	60	160	210	100	<b>277,50</b>
<b>MOMR125</b>	1/2" BSP	60	160	210	125	<b>277,50</b>
<b>MOMR160</b>	1/2" BSP	60	160	210	160	<b>283,05</b>
<b>MOMR200</b>	1/2" BSP	60	135	210	200	<b>283,05</b>
<b>MOMR250</b>	1/2" BSP	60	105	200	250	<b>288,60</b>
<b>MOMR315</b>	1/2" BSP	60	85	175	315	<b>294,15</b>
<b>MOMR400</b>	1/2" BSP	60	65	175	400	<b>299,70</b>

PARA APLICACIONES ESPECIALES (ALTA PRESIÓN, ALTA CARGA RADIAL, ETC.) CONSULTAR DISPONIBILIDAD DE MOTORES ESPECIALES / FOR SPECIAL APPLICATION (HIGH PRESSURE, HIGH RADIAL FORCE, ETC.) CHECK AVAILABILITY FOR SPECIAL MOTORS / POUR APPLICATION SPECIALE (HAUTE PRESSION, HAUTE CHARGE RADIALE, ETC.) CONSULTEZ LA DISPONIBILITÉ POUR LES MOTEURS SPÉCIAUX

# Motores hidráulicos lentos

Hydraulic motors  
Moteurs hydrauliques

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Motor MOMR con eje estriado



MOMR type motor with splined shaft  
Moteur type MOMR avec arbre strié

Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE CONT. PRESION MAX. CONT.	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	CM <sup>3</sup> /REV	€
<b>MOMR50EST</b>	1/2" BSP	40	140	210	50	<b>266,40</b>
<b>MOMR80EST</b>	1/2" BSP	60	160	210	80	<b>266,40</b>
<b>MOMR100EST</b>	1/2" BSP	60	160	210	100	<b>277,50</b>
<b>MOMR125EST</b>	1/2" BSP	60	160	210	125	<b>277,50</b>
<b>MOMR160EST</b>	1/2" BSP	60	160	210	160	<b>283,05</b>
<b>MOMR200EST</b>	1/2" BSP	60	135	210	200	<b>283,05</b>
<b>MOMR250EST</b>	1/2" BSP	60	105	200	250	<b>288,60</b>
<b>MOMR315EST</b>	1/2" BSP	60	85	175	315	<b>294,15</b>
<b>MOMR400EST</b>	1/2" BSP	60	65	175	400	<b>299,70</b>

## Motor MOMR con eje 32mm



MOMR type motor with 32mm shaft  
Moteur type MOMR avec arbre 32mm

Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE CONT. PRESION MAX. CONT.	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	CM <sup>3</sup> /REV	€
<b>MOMR50-32</b>	1/2" BSP	40	140	210	50	<b>266,40</b>
<b>MOMR80-32</b>	1/2" BSP	60	160	210	80	<b>266,40</b>
<b>MOMR100-32</b>	1/2" BSP	60	160	210	100	<b>277,50</b>
<b>MOMR125-32</b>	1/2" BSP	60	160	210	125	<b>277,50</b>
<b>MOMR160-32</b>	1/2" BSP	60	160	210	125	<b>283,05</b>
<b>MOMR200-32</b>	1/2" BSP	60	135	210	200	<b>283,05</b>
<b>MOMR250-32</b>	1/2" BSP	60	105	200	250	<b>288,60</b>
<b>MOMR315-32</b>	1/2" BSP	60	85	175	315	<b>294,15</b>
<b>MOMR400-32</b>	1/2" BSP	60	65	175	400	<b>299,70</b>

## Motor MOMS



MOMS type motor  
Moteur type MOMS

Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE CONT. PRESION MAX. CONT.	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	CM <sup>3</sup> /REV	€
<b>MOMS80</b>	1/2" BSP	65	175	225	80	<b>477,30</b>
<b>MOMS100</b>	1/2" BSP	75	175	225	100	<b>482,85</b>
<b>MOMS125</b>	1/2" BSP	75	175	225	125	<b>488,40</b>
<b>MOMS160</b>	1/2" BSP	75	160	225	160	<b>493,95</b>
<b>MOMS200</b>	1/2" BSP	75	150	225	200	<b>499,50</b>
<b>MOMS250</b>	1/2" BSP	75	140	200	250	<b>510,60</b>
<b>MOMS315</b>	1/2" BSP	75	120	185	315	<b>521,70</b>
<b>MOMS400</b>	1/2" BSP	75	100	140	400	<b>532,80</b>

## Motor MOMT



MOMT type motor  
Moteur type MOMT

Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE CONT. PRESION MAX. CONT.	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	CM <sup>3</sup> /REV	€
<b>MOMT160</b>	3/4" BSP	100	200	280	160	<b>782,55</b>
<b>MOMT200</b>	3/4" BSP	125	200	280	200	<b>793,65</b>
<b>MOMT250</b>	3/4" BSP	125	200	280	250	<b>810,30</b>
<b>MOMT315</b>	3/4" BSP	125	200	280	315	<b>821,40</b>
<b>MOMT400</b>	3/4" BSP	125	180	240	400	<b>843,60</b>
<b>MOMT500</b>	3/4" BSP	125	160	210	500	<b>871,35</b>

PARA APLICACIONES ESPECIALES (ALTA PRESIÓN, ALTA CARGA RADIAL, ETC.) CONSULTAR DISPONIBILIDAD DE MOTORES ESPECIALES / FOR SPECIAL APPLICATION (HIGH PRESSURE, HIGH RADIAL FORCE, ETC.) CHECK AVAILABILITY FOR SPECIAL MOTORS / POUR APPLICATION SPECIALE (HAUTE PRESSION, HAUTE CHARGE RADIALE, ETC.) CONSULTEZ LA DISPONIBILITÉ POUR LES MOTEURS SPÉCIAUX

# Motores hidráulicos lentos

Hydraulic motors  
Moteurs hydrauliques

## Motor MOMV



MOMV type motor  
Moteur type MOMV

Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE CONT. PRESION MAX. CONT.	MAX. PEAK PRESSURE (Bar) PRESIÓN PUNTA (Bar)	CM <sup>3</sup> /REV	€
<b>MOMV315</b>	1" BSP	200	200	280	315	<b>1.104,45</b>
<b>MOMV400</b>	1" BSP	200	200	280	400	<b>1.159,95</b>
<b>MOMV500</b>	1" BSP	200	200	280	500	<b>1.198,80</b>
<b>MOMV630</b>	1" BSP	200	180	240	630	<b>1.209,90</b>
<b>MOMV800</b>	1" BSP	200	160	210	800	<b>1.237,65</b>

## Recambios Motor

Spare parts for motor  
Pièces de rechange Moteur



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>CHAVETAMOMP/MOMR</b>	Chaveta para MOMP/MOMR/Key motor for MOMP/MOMR	<b>2,78</b>
<b>CHAVETAMOMS</b>	Chaveta para MOMS/Key motor for MOMS	<b>2,78</b>
<b>CHAVETAMOMT</b>	Chaveta para MOMT/Key motor for MOMT	<b>5,55</b>
<b>CHAVETAMOMV</b>	Chaveta para MOMV/Key motor for MOMV	<b>5,55</b>
<b>JTOMP</b>	Juntas para MOMP/Seal kits for MOMP	<b>22,20</b>
<b>JTOMR</b>	Juntas para MOMR/Seal kits for MOMR	<b>22,20</b>
<b>JTOMS</b>	Juntas para MOMS/Seal kits for MOMS	<b>27,75</b>
<b>JTOMT</b>	Juntas para MOMT/Seal kits for MOMT	<b>33,30</b>
<b>JTOMV</b>	Juntas para MOMV/Seal kits for MOMV	<b>38,85</b>

PARA APLICACIONES ESPECIALES (ALTA PRESIÓN, ALTA CARGA RADIAL, ETC.) CONSULTAR DISPONIBILIDAD DE MOTORES ESPECIALES / FOR SPECIAL APPLICATION (HIGH PRESSURE, HIGH RADIAL FORCE, ETC.) CHECK AVAILABILITY FOR SPECIAL MOTORS / POUR APPLICATION SPECIALE (HAUTE PRESSION, HAUTE CHARGE RADIALE, ETC.) CONSULTEZ LA DISPONIBILITÉ POUR LES MOTEURS SPÉCIAUX

# Orbitroles

Steering units  
Direction hydrostatique

Tank Accessories, Filters  
/ Pumps / MotorsControl Valves / Joysticks and  
Directional Control Valves

Hydraulic Valves

Directional Valves

Hydraulic Mini Power  
PacksPressure Switches/  
Heating Interchangers

Hydraulic Motors

## Orbitroles circuito abierto sin válvulas



Steering units-open center-without valves  
Direction hydrostatique-centre ouvert-sans valves

Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /REV	€
<b>MOSPB 50 ON</b>	1/2" BSP	175	50	<b>288,60</b>
<b>MOSPB 80 ON</b>	1/2" BSP	175	80	<b>294,15</b>
<b>MOSPB 100 ON</b>	1/2" BSP	175	100	<b>299,70</b>
<b>MOSPB 125 ON</b>	1/2" BSP	175	125	<b>305,25</b>
<b>MOSPB 160 ON</b>	1/2" BSP	175	160	<b>305,25</b>
<b>MOSPB 200 ON</b>	1/2" BSP	175	200	<b>310,80</b>
<b>MOSPB 250 ON</b>	1/2" BSP	175	250	<b>321,90</b>
<b>MOSPB 315 ON</b>	1/2" BSP	175	315	<b>344,10</b>
<b>MOSPB 400 ON</b>	1/2" BSP	175	400	<b>366,30</b>
<b>MOSPB 500 ON</b>	1/2" BSP	175	500	<b>388,50</b>

## Orbitroles circuito abierto con válvulas



Steering units-open center-with valves  
Direction hydrostatique -centre ouvert-avec valves

Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	CM <sup>3</sup> /REV	€
<b>MOSPC 50 ON</b>	1/2" BSP	175	50	<b>327,45</b>
<b>MOSPC 80 ON</b>	1/2" BSP	175	80	<b>333,00</b>
<b>MOSPC 100 ON</b>	1/2" BSP	175	100	<b>338,55</b>
<b>MOSPC 125 ON</b>	1/2" BSP	175	125	<b>349,65</b>
<b>MOSPC 160 ON</b>	1/2" BSP	175	160	<b>360,75</b>
<b>MOSPC 200 ON</b>	1/2" BSP	175	200	<b>371,85</b>
<b>MOSPC 250 ON</b>	1/2" BSP	175	250	<b>382,95</b>
<b>MOSPC 315 ON</b>	1/2" BSP	175	315	<b>399,60</b>
<b>MOSPC 400 ON</b>	1/2" BSP	175	400	<b>432,90</b>

## Kit juntas Orbitrol



Steering unit seal kits  
Kit joints pour direction hydrostatique

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>JRMOSPB</b>	MOSPB	<b>27,75</b>
<b>JRMOSPC</b>	MOSPC	<b>33,30</b>

# CONDUCCIONES HIDRÁULICAS Y NEUMÁTICAS

## HYDRAULIC AND PNEUMATIC CONNECTORS



**FLEXIBLES HIDRÁULICOS**  
FLEXIBLE CONNECTORS



**FLEXIBLES INDUSTRIALES**  
INDUSTRIAL FLEXIBLE HOSES & FITTINGS



**TUBO RÍGIDO**  
PIPE CONNECTORS



**ACCESORIOS**  
ACCESSORIES



**CONDUCCIONES NEUMÁTICAS**  
PNEUMATIC CONNECTORS



**Servicio hidráulico**

*Hydraulic service*

Service hydraulique

*Roquet* 

*Danfoss*

 JUNIAS BESMA S.A.





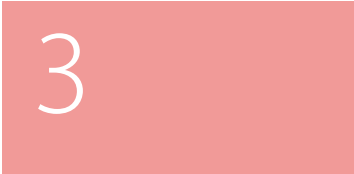
**Roquet**  
*Roquet*  
Roquet



**Danfoss**  
*Danfoss*  
Danfoss



**Juntas Besma / Productos Salinas**  
*Juntas Besma / Productos Salinas*  
Juntas Besma / Productos Salinas



# Roquet

<b>Bombas de GR I - Modo de referenciación</b> <i>GR I Pumps - Part N°</i> Pompes GR I - Références	<b>268</b>
<b>Bombas GR I - Bomba LO</b> <i>GR I Pumps - LO Pumps</i> Pompes GR - Pompe LO	<b>269</b>
<b>Bombas de GR II - Modo de referenciación</b> <i>GR II Pumps - Part N°</i> Pompes GR II - Références	<b>270</b>
<b>Bombas GR II - Bomba L</b> <i>GR Pumps - L Pumps</i> Pompes GR - Pompe L	<b>271</b>
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<b>Distribuidores: amplio stock</b> <i>Hydraulic directional control valve: big stock</i> Distributeurs: très grand stock	<b>278</b>



# 1

Cualquier cambio de precios del proveedor se aplicará automáticamente sin previo aviso  
*Any change of prices of our supplier, it will be applied without warning*  
Tout changement de prix du fournisseur sera appliqué sans prè-avis



**Amplio stock de bombas y motores de engranajes:**

---

**Bombas simples y múltiples.**

---

**Bombas especiales para tractores.**

---

**Motores de engranajes unidireccionales y bidireccionales.**

**Montamos bombas y motores tanto simples como múltiples,  
en todos formatos, bajo pedido (ver páginas siguientes).**



*We have a big stock of gear pumps and motors:*

---

*Single and multiple pumps.*

---

*Special pumps for tractors.*

---

*Gear motors. Unidirectional and bidirectional.*

*We assemble pumps and gear motors single or multiple, in all formats,  
on request (see following pages).*



**Nous disposons d'un stock important de pompes et moteurs à engrenages:**

---

**Pompes simples et multiples.**

---

**Pompes spéciales pour tracteurs.**

---

**Moteurs à engrenages, unidirectionnels et bidirectionnels.**

**Nous assemblons des pompes et des moteurs à engrenages, tant simples  
comme multiples, sous tous les formats, sous commande (voir pages suivantes).**

## BOMBAS DE ENGRANAJE · GEAR PUMPS



- Posibilidad de montaje de bombas dobles, triples.
  - Distintos formatos combinando grupos GI/GII.
  - Transformaciones de cualquier tipo de bomba, ya que contamos con un amplio stock de recambios.
- 
- *Possibility of double and triple pumps assembly.*
  - *Different configurations by combining GI/GII pumps.*
  - *Transformations of any type of pump, as we have a wide stock of spare parts.*

**COMPROBACIÓN DE TODAS NUESTRAS COMPOSICIONES Y TRANSFORMACIONES EN BANCO DE PRUEBAS.  
OPERATIONAL TESTS OF ALL OUR CONFIGURATIONS AND TRANSFORMATIONS ON TEST BENCH.**



# Bombas de GRI - Modo de referenciación

GRI Pumps - Part No°  
Pompes GRI - Références

## Nomenclatura referencias

Part No.  
Références

**1** **LO** **3** **D** **J** **23** **R**

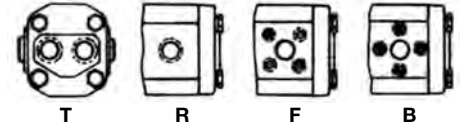
Tipo Type Type	
1	Sin polea / Without pulley / Sans poulie
2	Con polea / With pulley / Avec poulie

Modelo Model Modèle	
LO	Simple / Single / Simple GRI.
LQ	Múltiple / Multiple-banked / Multiple GRI+GRI.

Caudal bomba Pump flow rate Débit Pompe	
A 1500 rpm A 0 bar	
Modelo Model Modèle	Cilindrada cm <sup>3</sup> /v Displacement cc/r Cylindrée
1,5	1
3	2
5	3,3
7,5	5
10	6,6

Sentido de giro Rotation sense Tour	
D	Derecha / Clockwise / Droit
I	Izquierda / Counterclockwise / Gauche
R	Reversible / Reversible / Reversible

Forma conexión tomas  
Side port connection form  
Forme de connexion



Tipo de bridas  
Fixing flange  
Brides

01 - 10 - 22 - 27

Ver tabla 2 / See table 2 / Voir tableau 2

Tipo de polea  
Pulley type  
Poulie

P - R - S - T

Forma eje motriz  
Driving shaft form  
Forme axe motrice

B - C - E - J - Z

Ver tabla 3 / See table 3 / Voir tableau 3

## Motores de engranajes

Gear Motors  
Moteurs à Engrenages

**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".  
Pour moteurs d'engrenages la configuration des références est la même, mais en y ajoutant la lettre 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.

Nous disposons d'un stock important de pompes et moteurs à engrenages: Pompes simples et multiples. Pompes spéciales pour tracteurs. Moteurs à engrenages, unidirectionnels et bidirectionnels.

**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).

Nous formons des pompes et des moteurs à engrenages, tant simples comme multiples, sous tous les formats, sous commande (voir pages suivantes).

# Bombas GR I- Bomba LO

GR I Pumps - LO Pumps  
Pompes GR I - Pompe LO

**Tabla 2** Table 2 Tableau 2

Tapa tipo · Flange type · Bride type <b>01</b>	Tapa tipo · Flange type · Bride type <b>09</b>	Tapa tipo · Flange type · Bride type <b>10</b>	Tapa tipo · Flange type · Bride type <b>22</b>		
<table border="1"> <thead> <tr> <th>Tapa tipo · Flange type · Bride type <b>27</b></th> </tr> </thead> <tbody> <tr> <td></td> </tr> </tbody> </table>				Tapa tipo · Flange type · Bride type <b>27</b>	
Tapa tipo · Flange type · Bride type <b>27</b>					

Otras tapas, consultar / Other flanges, on request / Toutes autres brides, consultez.

**Tabla 3** Table 3 Tableau 3

Eje tipo · Shaft type · Arbre type <b>B</b>	Eje tipo · Shaft type · Arbre type <b>C</b>	Eje tipo · Shaft type · Arbre type <b>E</b>	Eje tipo · Shaft type · Arbre type <b>F</b>
		<p>conicidad 1:8</p>	
Eje tipo · Shaft type · Arbre type <b>J</b>	Eje tipo · Shaft type · Arbre type <b>L</b>	Eje tipo · Shaft type · Arbre type <b>R</b>	

Otros ejes, consultar / Other shafts, on request / Tous autres arbres, consultez.

# Bombas de GR II - Modo de referenciación

GR II Pumps - Part N°  
Pompes GR II - Références

## Nomenclatura referencias

Part No.  
Références

1 L 12 D E 10 F

Tipo  
Type  
Type

1	Sin polea / Without pulley / Sans poulie
2	Con polea / With pulley / Avec poulie
5	Bomba con eje flotante y cojinete de refuerzo / Pump with back-up bearing and floating shaft / Pompe avec axe flottant et renforcement palier

Modelo  
Model  
Modèle

L	Simple / Single / Simple GRII.
LM	Múltiple / Multiple-banked / Multiple L+L
LS	Múltiple / Multiple-banked / Multiple L+LO

Caudal bomba  
Pump flow rate  
Débit Pompe

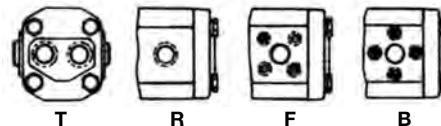
A 1500 rpm A 0 bar

Modelo Model Modèle	Cilindrada cm <sup>3</sup> /v Displacement cc/r Cylindrée
9	6
12	8
16	10,6
22	14,6
27	18
25	23,3

Sentido de giro  
Rotation sense  
Tour

D	Derecha / Clockwise / Droit
I	Izquierda / Counterclockwise / Gauche
R	Reversible / Reversible / Reversible

Forma conexión tomas  
Side port connection form  
Forme de connexion



Tipo de bridas  
Fixing flange  
Brides

04 - 06 - 09 - 10 - 13 - 19 - 20 - 21 - 22 - 23 - 29 - 55 - 61  
Ver tabla 2 / See table 2 / Voir tableau 2

Forma eje motriz  
Driving shaft form  
Forme axe motrice

A - B - C - E - F - G - H - J - K - P - Q - R - T - V - W  
Ver tabla 3 / See table 3 / Voir tableau 3

Tipo de polea  
Pulley type  
Poulie

P - R - S - T

## Motores de engranajes

Gear Motors  
Moteurs à Engrenages

1 M L 9 D J 23 R

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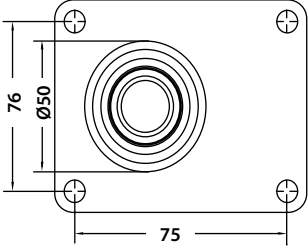
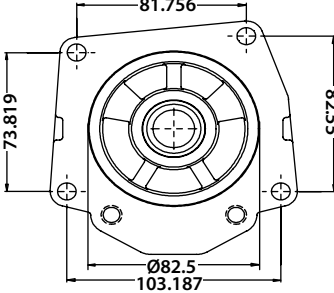
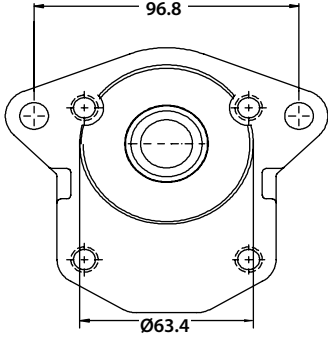
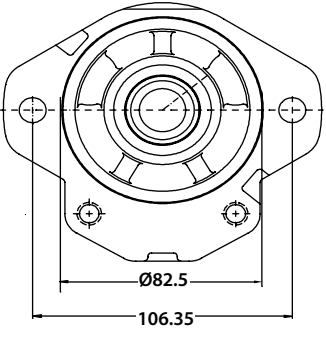
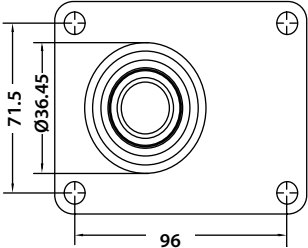
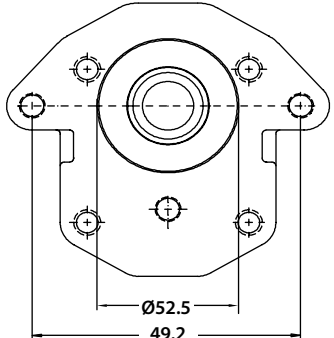
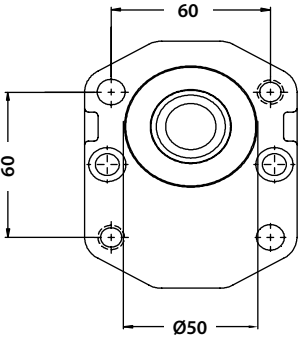
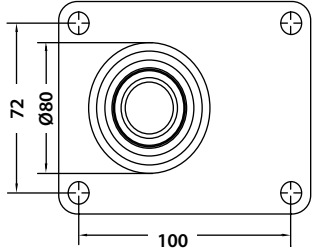
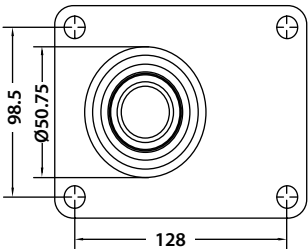
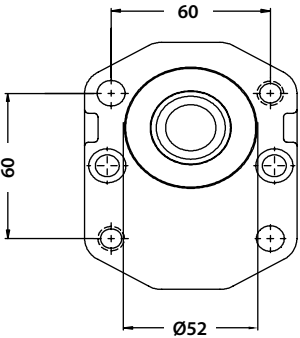
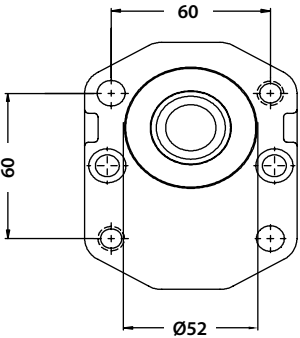
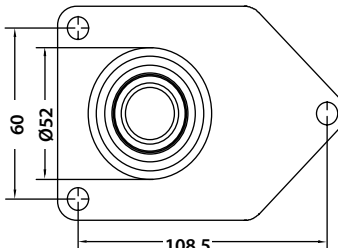
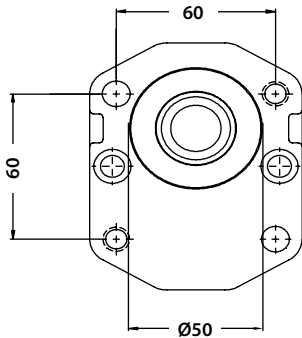
Nous formons des pompes et des moteurs à engrenages, tant simples comme multiples, sous tous les formats, sous commande (voir pages suivantes).



# Bombas GR II - Bombas L

GR II Pumps - L Pumps  
Pompes GR II - Pompe L

■ **Tabla 2** Table 2 Tableau 2

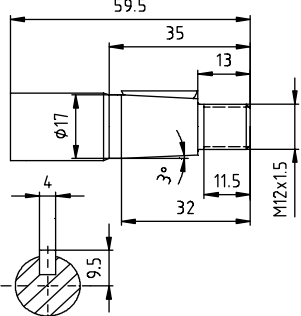
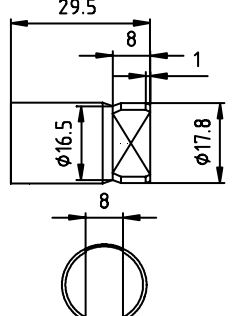
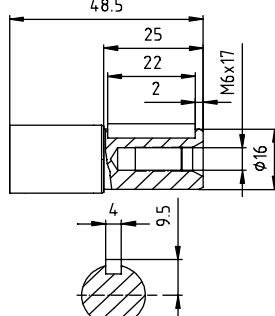
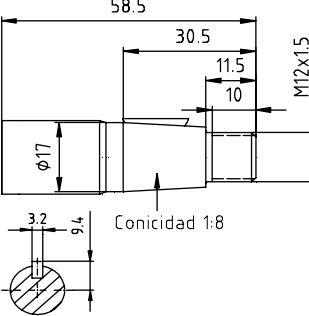
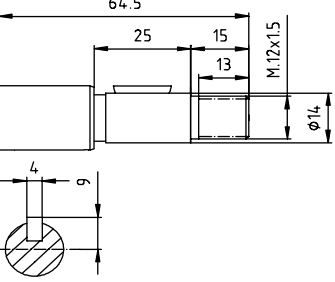
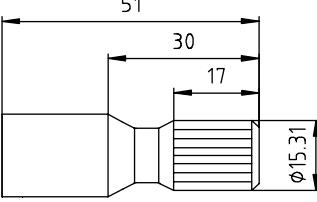
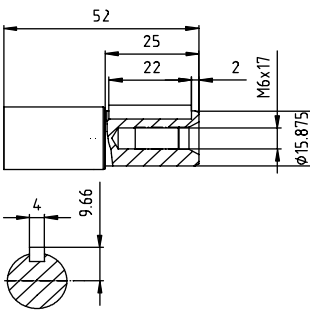
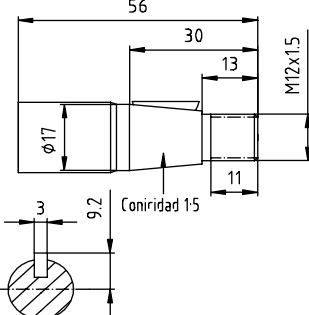
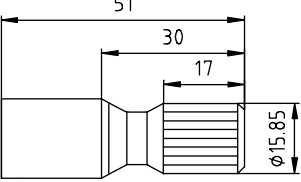
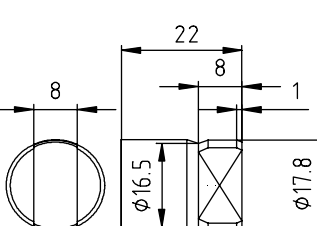
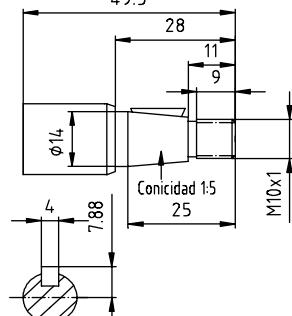
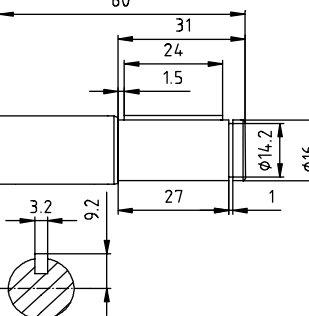
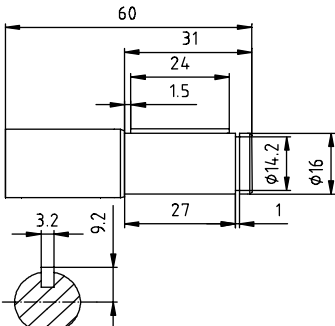
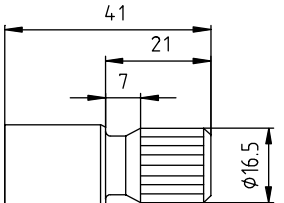
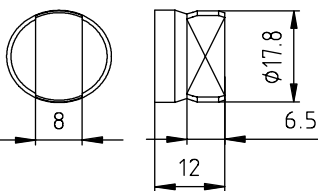
Tapa tipo · Flange type · Bride type <b>01</b>	Tapa tipo · Flange type · Bride type <b>04</b>	Tapa tipo · Flange type · Bride type <b>06</b>	Tapa tipo · Flange type · Bride type <b>09</b>
			
Tapa tipo · Flange type · Bride type <b>10</b>	Tapa tipo · Flange type · Bride type <b>21</b>	Tapa tipo · Flange type · Bride type <b>22</b>	Tapa tipo · Flange type · Bride type <b>23</b>
			
Tapa tipo · Flange type · Bride type <b>24</b>	Tapa tipo · Flange type · Bride type <b>26</b>	Tapa tipo · Flange type · Bride type <b>29</b>	Tapa tipo · Flange type · Bride type <b>40</b>
			
Tapa tipo · Flange type · Bride type <b>55</b>			
			

Otras tapas, consultar / Other flanges, on request / Toutes autres brides, consultez.

# Bombas GR II - Bombas L

GR II Pumps - L Pumps  
Pompes GR II - Pompe L

**Tabla 3** Table 3 Tableau 3

Eje tipo · Shaft type · Arbre type <b>A</b>	Eje tipo · Shaft type · Arbre type <b>B</b>	Eje tipo · Shaft type · Arbre type <b>C</b>	Eje tipo · Shaft type · Arbre type <b>E</b>
			
	 <p>CARACTERÍSTICAS ESTRIADO: Pitch 16/32 (SAE J498b) Nº de dientes: 9 Ángulo de presión: 30°</p>		
 <p>CARACTERÍSTICAS ESTRIADO: Pitch 16/32 (SAE J498b) Nº de dientes: 9 Ángulo de presión: 30°</p>			
	 <p>CARACTERÍSTICAS ESTRIADO: DIN-5482 φ 17 X 14 Nº dientes = 9</p>		

Otros ejes, consultar / Other shafts, on request / Tous autres arbres, consultez.

# Bombas de GR III - Modo de referenciación

GR III Pumps - Part No°  
Pompes GR III - Références

## Nomenclatura referencias

Part No.  
Références

Tipo Type Type		Modelo Model Modèle		Caudal bomba Pump flow rate Débit Pompe		Sentido de giro Rotation sense Tour	
1	Sin polea / Without pulley / Sans poulie	PLA	Simple / Single / Simple GRIII.	A 1500 rpm A 0 bar		D	Derecha / Clockwise / Droit
2	Con polea / With pulley / Avec poulie	PLL	Múltiple / Multiple-banked / Multiple PLA-PLA GRIII+GRIII.	Modelo Model Modèle	Cilindrada cm <sup>3</sup> /v Displacement cc/r Cylindrée	I	Izquierda / Counterclockwise / Gauche
6	Bomba con eje estriado para montaje en ZF / Shaft section for mounting onto ZF / Pompe avec axe strié pour montage ZF	PLD	Múltiple / Multiple-banked / Multiple PLA+L GRIII+GRIII.	36	24	R	Reversible / Reversible / Reversible
		PLT	Múltiple / Multiple-banked / Multiple PLA+LO GRIII+GRI.	45	30		
				54	36		
				66	44		
				84	56		

Forma conexión tomas Side port connection form Forme de connexion		Tipo de bridas Fixing flange Brides		Forma eje motriz Driving shaft form Forme axe motrice		Tipo de polea Pulley type Poulie	
T	R	F	B	A - B - C - D - E - G - I - J - K		P - S - T	
		01 - 09 - 10 - 19 - 23		Ver tabla 3 / See table 3 / Voir tableau 3			
		Ver tabla 2 / See table 2 / Voir tableau 2					

## Motores de engranajes

Gear Motors  
Moteurs à Engrenages

1 M PLA 36 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".  
Pour moteurs d'engrenages la configuration des références est la même, mais en y ajoutant la lettre 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.

Nous disposons d'un stock important de pompes et moteurs à engrenages: Pompes simples et multiples. Pompes spéciales pour tracteurs. Moteurs à engrenages, unidirectionnels et bidirectionnels.

**Formamos bombas y motores tanto simples como múltiples, en todos formatos, bajo pedido (ver páginas siguientes).**

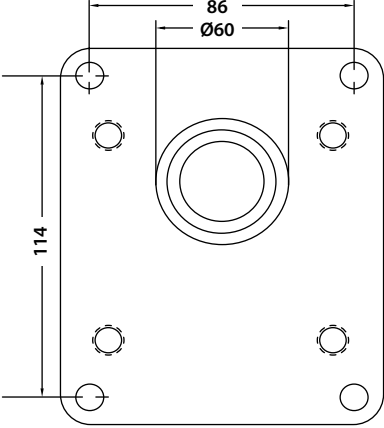
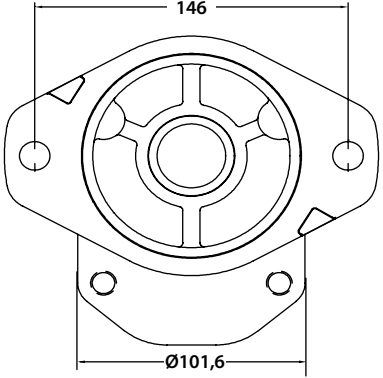
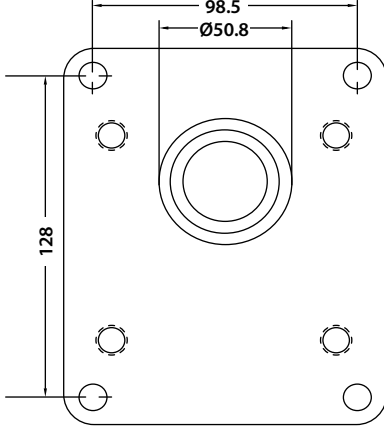
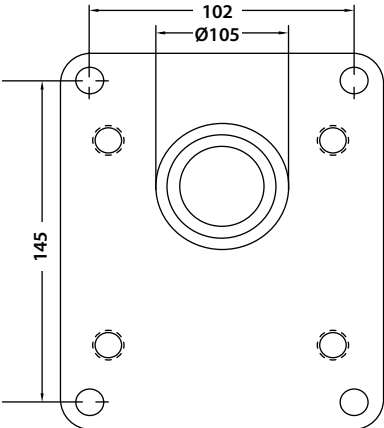
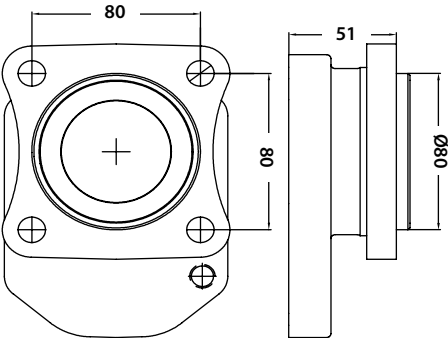
We assemble pumps and gear motors single or multiple, in all formats, on request (see following pages).

Nous formons des pompes et des moteurs à engrenages, tant simples comme multiples, sous tous les formats, sous commande (voir pages suivantes).

# Bombas GR III - Bombas PLA

GR III Pumps - PLA Pumps  
Pompes GR III - Pompe PLA

■ **Tabla 2** Table 2 Tableau 4

Tapa tipo · Flange type · Bride type <b>01</b>	Tapa tipo · Flange type · Bride type <b>09</b>	Tapa tipo · Flange type · Bride type <b>10</b>
		
Tapa tipo · Flange type · Bride type <b>23</b>	Tapa tipo · Flange type · Bride type <b>50</b>	
		

Otras tapas, consultar / Other flanges, on request / Toutes autres brides, consultez.

# Bombas GR III - Bombas PLA

GR III Pumps - PLA Pumps  
Pompes GR III - Pompe PLA

**Tabla 3** Table 3 Tableau 3

Eje tipo · Shaft type · Arbre type <b>A</b>	Eje tipo · Shaft type · Arbre type <b>B</b>	Eje tipo · Shaft type · Arbre type <b>C</b>	Eje tipo · Shaft type · Arbre type <b>D</b>
Eje tipo · Shaft type · Arbre type <b>E</b>	Eje tipo · Shaft type · Arbre type <b>F</b>	Eje tipo · Shaft type · Arbre type <b>G</b>	Eje tipo · Shaft type · Arbre type <b>H</b>
	<p>ANSI B92.1 CLASE 5 Ajuste lateral Ø Pith = 16/32 No. dientes = 15 Angulo presión = 30°</p>	<p>SAE J498b Ø Pith = 16/32 No. dientes = 13 Angulo presión = 30°</p>	
Eje tipo · Shaft type · Arbre type <b>J</b>	Eje tipo · Shaft type · Arbre type <b>K</b>	Eje tipo · Shaft type · Arbre type <b>L</b>	Eje tipo · Shaft type · Arbre type <b>T</b>
	<p>SAE J498b Ø Pith = 16/32 No. dientes = 13 Angulo presión = 30°</p>		<p>DIN-5482 (e9) Ø 28x25 No. de dientes 15</p>
Eje tipo · Shaft type · Arbre type <b>V</b>	Eje tipo · Shaft type · Arbre type <b>W</b>		
<p>Eje DIN-5463 Flancos rectos 6x21x25 No. nervios 6</p>			

Otros ejes, consultar / Other shafts, on request / Tous autres arbres, consultez.

## Bombas Engranajes Especiales

*Special Gear Pumps*  
Pompes à Engrenages Spéciales



**ESPECIAL BARREIROS**

*SPECIAL BARREIROS*  
*SPÉCIAL BARREIROS*



**ESPECIAL KUBOTA**

*SPECIAL KUBOTA*  
*SPÉCIAL KUBOTA*



**ESPECIAL EBRO (PILOTAJE)**

*SPECIAL EBRO (PILOT)*  
*SPÉCIAL EBRO (PILOTAGE)*



**ESPECIAL EBRO 470**

*SPECIAL EBRO 470*  
*SPÉCIAL EBRO 470*



**MOTORES ENGRANAJES**

*GEAR MOTORS*  
*MOTEURS À ENGRENAGES*



**ESPECIAL AGRIA**

*SPECIAL AGRIA*  
*SPÉCIAL 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.*

**MONTAGES DE POMPES DOBLES, TRIPLES, ETC.**  
NOUS DISPOSONS D'UN LARGE STOCK DE PIÈCES DE RECHANGE, D'ARBRES, DE COUVERCLES, ETC.

## MOTORES DE ENGRANAJE · GEAR MOTORS

- Posibilidad de montaje de motores de engranaje
  - Tres tipos de formato disponible.
- Montamos bombas y motores tanto simples como múltiples, en todos los formatos, bajo pedido.
  - 
  - *Possibility of motors assembly.*
  - *Three differents motors groups.*
- *We assemble single or multiple pumps and gear motors, in all formats, upon order.*



## Distribuidores: amplio stock

Hydraulic directional control valve: big stock

Distributeurs: très grand stock



**Bombas**  
Pumps  
Pompes



**Elementos modulares**  
Modular elements  
Éléments modulaires



**Bloques**  
Blocks  
Bloques



**Válvulas limitadoras**  
Relief valves  
Limiteurs de pression



**Válvulas de descarga**  
Unloading valve  
Valves de décharge



**Limitadoras sobre placa**  
Relief valve (plate mounting)  
Limiteurs de pression (montage sur plaque)





## Distribuidores: amplio stock

Hydraulic directional control valve: big stock

Distributeurs: très grand stock

**Limitadoras presión línea**  
Pressure control valve in line  
Limiteurs de pression en ligne



**Válvulas panel**  
Relief valve with plate  
Limiteurs de pression avec plaque



**Limitadoras presión**  
Other relief valve  
Autre limiteur de pression



**Distribuidores mono block**  
Mono block directional control valves  
Distributeur mono-bloc



**Distribuidores componibles**  
Sectional hydraulic control valves  
Distributeurs modulables



**Distribuidores eléctricos**  
Electric control valves  
Distributeur électrique



**Distribuidores accionamiento neumático**  
Directional control valves pneumatic operated  
Distributeurs actionnement pneumatique



**Distribuidores componibles**  
Sectional hydraulic control valves  
Distributeurs modulables



**Electroválvulas**  
Directional valves  
Electro-distributeur



**Hidroválvulas**  
Hydrovalves  
Hydrovalves



# Danfoss

## **Danfoss: motores OMM, OMP y OMR**

*Danfoss: OMM, OMP and OMR motors*  
Danfoss: moteurs OMM, OMP et OMR

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## **Danfoss: motores OMS, OMT**

*Danfoss: OMS, OMT motors*  
Danfoss: moteurs OMS, OMT

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## **Danfoss: orbitroles y columnas**

*Danfoss: steering components*  
Danfoss: orbitrols et colonnes de direction

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## **Danfoss: recambios**

Danfoss: spare parts  
Danfoss: pièces de rechange

**286**

*Danfoss*

2

Cualquier cambio de precios del proveedor se aplicará automáticamente sin previo aviso  
*Any change of prices of our supplier, it will be applied without warning*  
Tout changement de prix du fournisseur sera appliqué sans prè-avis

# Danfoss: motores OMM, OMP y OMR

Danfoss: motors OMM, OMP and OMR  
Danfoss: moteurs OMM, OMP et OMR

## OMM - eje cilíndrico 16mm



Motor OMM - cylindrical shaft 16mm  
OMM - arbre cylindrique 16mm

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	EXIT TIPO DE SALIDA	€
<b>OMM-8 S</b>	MOTOR OMM-8 SIDE 151G0041	LATERALES	*
<b>OMM-12.5 S</b>	MOTOR OMM-12.5 SIDE 151G0004	LATERALES	*
<b>OMM-20 S</b>	MOTOR OMM-20 SIDE 151G0005	LATERALES	*
<b>OMM-32 S</b>	MOTOR OMM-32 SIDE 151G0006	LATERALES	*
<b>OMM-50</b>	MOTOR OMM-50 SIDE 151G0013	LATERALES	*
<b>OMM-8 E</b>	MOTOR OMM-8 ENDPORT 151G0040	TRASERAS	*
<b>OMM-12,5 E</b>	MOTOR OMM-12,5 END 151G0001	TRASERAS	*
<b>OMM-20 E</b>	MOTOR OMM-20 ENDPORT 151G0002	TRASERAS	*
<b>OMM-32 E</b>	MOTOR OMM-32 ENDPORT 151G0003	TRASERAS	*

## OMP - eje cilíndrico 25mm



Motor OMP - cylindrical shaft 25mm  
OMP - arbre cylindrique 25mm

Part nº Referencia	EJE	DESCRIPTION DESCRIPCIÓN	CM <sup>3</sup> /REV	€
<b>OMP-25</b>	25 mm	MOTOR OMP-25	25	*
<b>OMP-32</b>	25 mm	MOTOR OMP-32	32	*
<b>OMP-40</b>	25 mm	MOTOR OMP-40	40	*
<b>OMP-50</b>	25 mm	MOTOR OMP-50	50	*
<b>OMP-80</b>	25 mm	MOTOR OMP-80	80	*
<b>OMP-100</b>	25 mm	MOTOR OMP-100	100	*
<b>OMP-125</b>	25 mm	MOTOR OMP-125	125	*
<b>OMP-160</b>	25 mm	MOTOR OMP-160	160	*
<b>OMP-200</b>	25 mm	MOTOR OMP-200	200	*
<b>OMP-250</b>	25 mm	MOTOR OMP-250	250	*
<b>OMP-315</b>	25 mm	MOTOR OMP-315	315	*
<b>OMP-400</b>	25 mm	MOTOR OMP-400	400	*

## OMR - eje cilíndrico 25mm



Motor OMR - cylindrical shaft 25mm  
OMR - arbre cylindrique 25mm

Part nº Referencia	EJE	DESCRIPTION DESCRIPCIÓN	CM <sup>3</sup> /REV	€
<b>OMR-50</b>	25 mm	MOTOR OMR-50	50	*
<b>OMR-80</b>	25 mm	MOTOR OMR-80	80	*
<b>OMR-100</b>	25 mm	MOTOR OMR-100	100	*
<b>OMR-125</b>	25 mm	MOTOR OMR-125	125	*
<b>OMR-160</b>	25 mm	MOTOR OMR-160	160	*
<b>OMR-200</b>	25 mm	MOTOR OMR-200	200	*
<b>OMR-250</b>	25mm	MOTOR OMR-250	250	*
<b>OMR-315</b>	25 mm	MOTOR OMR-315	315	*
<b>OMR-375</b>	25 mm	MOTOR OMR-375	375	*

## OMR - eje cilíndrico 32mm



Motor OMR - cylindrical shaft 32mm  
OMR - arbre cylindrique 32mm

Part nº Referencia	EJE	DESCRIPTION DESCRIPCIÓN	CM <sup>3</sup> /REV	€
<b>OMR-200 EJE 32</b>	32mm	MOTOR OMR-200	200	*

# Danfoss: motores OMS, OMT

Danfoss: motors OMS, OMT  
Danfoss: moteurs OMS, OMT

## OMS - eje cilíndrico 32mm



Motor OMS - cylindrical shaft 32mm  
OMS - arbre cylindrique 32mm

Part nº Referencia	EJE	CM <sup>3</sup> /REV	€
<b>OMS-80</b>	32 mm	80 cm <sup>3</sup> /rev	*
<b>OMS-100</b>	32 mm	100 cm <sup>3</sup> /rev	*
<b>OMS-125</b>	32 mm	125 cm <sup>3</sup> /rev	*
<b>OMS-160</b>	32mm	160 cm <sup>3</sup> /rev	*
<b>OMS-200</b>	32 mm	200 cm <sup>3</sup> /rev	*
<b>OMS-250</b>	32mm	250 cm <sup>3</sup> /rev	*
<b>OMS-315</b>	32 mm	315 cm <sup>3</sup> /rev	*
<b>OMS-400</b>	32mm	400 cm <sup>3</sup> /rev	*

## OMT - eje cilíndrico 40mm



Motor OMT - cylindrical shaft 40mm  
OMT - arbre cylindrique 40mm

Part nº Referencia	EJE	CM <sup>3</sup> /REV	€
<b>OMT-160</b>	40mm	160 cm <sup>3</sup> /rev	*
<b>OMT-200</b>	40mm	200 cm <sup>3</sup> /rev	*
<b>OMT-250</b>	40mm	250 cm <sup>3</sup> /rev	*
<b>OMT-315</b>	40mm	315 cm <sup>3</sup> /rev	*
<b>OMT-400</b>	40mm	400 cm <sup>3</sup> /rev	*
<b>OMT-500</b>	40mm	500 cm <sup>3</sup> /rev	*

# Danfoss: orbitroles y columnas

Danfoss: steering components  
Danfoss: orbitrols et colonnes de direction

## Orbitroles c. abierto con válvulas



Steering units open center with valves  
Orbitrol centre ouvert avec valves

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	CM <sup>3</sup> /REV	€
<b>OSPC-80 ON</b>	ORBITROL OSPC-80 ON (150-1157)	80	*
<b>OSPC-100 ON</b>	ORBITROL OSPC-100 ON (150-1155) 150N1106	100	*
<b>OSPC-125 ON</b>	ORBITROL OSPC-125 ON (150-1171)	125	*
<b>OSPC-160 ON</b>	ORBITROL OSPC-160 ON (150-1168)	160	*
<b>OSPC-200 ON</b>	ORBITROL OSPC-200 ON 150-3008	200	*
<b>OSPC-200 ON***</b>	ORBITROL OSPC-200 ON (150-1177) 7/8 SAE	200	*
<b>OSPC-50 ON</b>	ORBIT. OSPC 50 ON ROS.1/2 150-1166	50	*

## Orbitroles c. abierto sin válvulas



Steering units open center without valves  
Orbitrol centre ouvert sans valves

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	CM <sup>3</sup> /REV	€
<b>OSPB-50 ON</b>	ORBITROL OSPB-50 ON 150-0039	50	*
<b>OSPB-80 ON</b>	ORBITROL OSPB-80 ON 150-0040	80	*
<b>OSPB-100 ON</b>	ORBITROL OSPB-100 ON 150-0041	100	*
<b>OSPB-125 ON</b>	ORBITROL OSPB-125 ON 150-0042	125	*
<b>OSPB-125 ON***</b>	ORBIT. OSPB-125ON 150-0035/N0024 3/4UNF	125	*
<b>OSPB-160 ON</b>	ORBITROL OSPB-160 ON 150-0043	160	*
<b>OSPB-200 ON</b>	ORBITROL OSPB-200 ON 150-0044	200	*
<b>OSPB-315 ON</b>	ORBITROL OSPB-315 ON 150-0045	315	*
<b>OSPB-400 ON</b>	ORBITROL OSPB-400 ON 150-0046	400	*
<b>OSPB-500 ON</b>	ORBITROL OSPB-500 ON 150-0047	500	*
<b>OSPB-800 ON</b>	ORBITROL OSPB-800 ON 150-0049	800	*

## Orbitroles c. cerrado con válvulas



Steering units close center with valves  
Orbitrol centre fermé avec valves

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	CM <sup>3</sup> /REV	€
<b>OSPC-100 CN</b>	ORBITROL OSPC-100 CN 150-0183	100	*
<b>OSPC-125 CN</b>	ORBITROL OSPC-125 CN 150-0179	125	*
<b>OSPC-160 CN</b>	ORBITROL OSPC-160 CN 150-0178	160	*
<b>OSPC-200 CN</b>	ORBITROL OSPC-200 CN 150-0176	200	*

## Orbitroles c. cerrado sin válvulas



Steering units close center without valves  
Orbitrol centre fermé sans valves

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	CM <sup>3</sup> /REV	€
<b>OSPB-100 CN</b>	ORBITROL OSPB-100 CN 150-0127/0173	100	*
<b>OSPB-125 CN</b>	ORBITROL OSPB-125 CN 150-0129	125	*
<b>OSPB-160 CN</b>	ORBITROL OSPB-160 CN 150-0128	160	*

# Danfoss: orbitroles y columnas

*Danfoss: steering components*

Danfoss: orbitrols et colonnes de direction

Roquet

Danfoss

Juntas Besma /  
Productos Salinas

## Orbitroles load sensing



*Steering units load sensing*  
Orbitrol load sensing

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	CM <sup>3</sup> /REV	€
<b>OSPC-80 LS</b>	ORBITROL OSPC-80 LS (150-1188)	80	*
<b>OSPC-160 LS</b>	ORBITROL OSPC-160 LS (150-1191)	160	*
<b>OSPC-200 LS</b>	ORBITROL OSPC-200 LS (150-1234)	200	*

## Caja de válvulas para orbitrol



*Valves box for steering units*  
Boite de valves pour orbitrols

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>OVP-10</b>	CAJA VALVULAS OVP-10 152-0010	*
<b>OVP-15</b>	CAJA VALVULAS OVP-15 152-0015	*
<b>OVP-20</b>	CAJA VALVULAS OVP-20 152-0020	*
<b>OVR-20</b>	CAJA VALVULAS OVR-20 152-0003	*

## Amplificadores de par



*Torque amplifier*  
Amplificateur de couple

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>TAD-100</b>	AMPLIFICADOR TAD-100 150B0032	*
<b>TAD-160</b>	AMPLIFICADOR TAD-160 150B0034	*

## Danfoss: recambios

Danfoss: spare parts  
Danfoss: pièces de rechange

### Equipos reparación motores

Motor repair kits  
Kits de joint pour moteur



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
151-1179	JUEGO JUNTAS OMP EJE 32MM 151-1179	*
151B1041	JUEGO JUNTAS OMVS 151B1041	*
633B3209	RETEN OMR ANTIGUO 48MM	*
151-1275	JUEGO JUNTAS OMP 151-1275	*
151-1277	JUEGO JUNTAS OMR 151-1277	*
151-1286	JUEGO JUNTAS OMP/R DS S/DRENAJE S-06/07	*
151B0113	JUEGO JUNTAS OMT/OMTW 151B0113	*
151B0114	JUEGO JUNTAS OMTS 151B0114	*
151B0129	JUEGO JUNTAS OMV 151B0129	*
151F0103	JUEGO JUNTAS OMSS 151F0103	*
151F0111	JUEGO JUNTAS OMS 151F0111	*
151G0201	JUEGO JUNTAS OMM 151G0201 (ANTIGUO)	*
151G0202	JUEGO REP. OMM S-1 151G0202	*
151H1100	JUEGO JUNTAS OMH 151H1100	*

### Equipos reparación orbitroles

Steering unit repair kits  
Kits de joint pour orbitrol



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
150L4054	JUEGO REPARACIÓN PARA OSPM 150L4054	*
150N4040	JUEGO REP. OSPB/OSPC 150N4040	*

### Recambios varios

Spare parts  
Divers



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
150-0310	ANILLO SUJEC.MUELLES 150-0310	*
152-4051	KIT JUNTAS CAJA VALV. -152-4051	*
BRIDA OMM	BRIDA PARA OMM 151G0211	*

### Bobinas para PVG-32

Coils for PVG-32  
Bobines pour PVG-32



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	€
157B4032	Alta Proporcionalidad	12 VDC / 24 VDC	*
157B4116	Media Proporcionalidad	12VDC	*
157B4216	Todo/Nada	12 VDC	*
157B4228	Todo/Nada	24 VDC	*
157B4528	Media Proporcionalidad	24 VDC	*
157B4016	Alta Proporcionalidad	12 VDC	*



**Bombas caudal variable. Circuito abierto y circuito cerrado**

*Variable flow pumps. Normally open and normally closed*  
Pompes à débit variable. Normalement ouvert et normalement fermé



**Bombas pistones**

*Piston pumps*  
Pompes à pistons



**Motores rueda**

*Wheel motors*  
Moteurs roue



**Direcciones hidrostáticas**

*Hydrostatic steering controller, orbital motors*  
Direction hydrostatique, moteurs orbitals



**Hidráulica proporcional**

*Proportional hydraulics*  
Hydraulique proportionnelle



PVG 32 - PVG 120

**Motores orbitales**

*Orbital motors*  
Moteurs orbitals



**Aplicación**

*Application*  
Application



# Juntas Besma-Productos Salinas

Estanqueidad

*Tightness*

Étanchéités

## **Juntas tóricas**

*O´rings*  
Joints toriques

**290**

## **Collarines tipo TTU**

*Rod and piston seals type TTU*  
Joints de tige/piston - type TTU

**299**

## **Rascadores**

*Wipers*  
Racleurs

**300**

## **Estanqueidad Simko**

*Simko tightness*  
Étanchéité Simko

**302**

## **Balsele**

*Balsele*  
Balsele

**303**

## **Empaquetaduras**

*Piled rod and piston seals*  
Joints de tige empilable

**304**



JUNIAS BESMA, S.A.

3

# Juntas tóricas

O´rings  
Joints toriques

## Cajas de juntas y arandelas

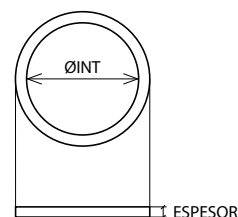
O´rings and seals boxes  
Boite de joints et bagues



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>CAJA G</b>	CAJA DE JUNTAS G NBR 70 PULGADAS	*
<b>CAJA H</b>	CAJA DE JUNTAS H NBR 70 METRIC	*

## Juntas tóricas 1.78

O´rings 1.78  
Joints toriques 1.78



Part nº Referencia	Ø INNER Ø INT.	Thickness (mm) Espesor (mm)	UNITS PER BAG CANTIDAD / BOLSA	€
<b>1.78X1.78</b>	1.78	1.78	100	*
<b>2.57X1.78</b>	2.57	1.78	100	*
<b>2.90X1.78</b>	2.90	1.78	100	*
<b>3.68X1.78</b>	3.68	1.78	100	*
<b>4.47X1.78</b>	4.47	1.78	100	*
<b>5.28X1.78</b>	5.28	1.78	100	*
<b>6.07X1.78</b>	6.07	1.78	100	*
<b>10.82X1.78</b>	10.82	1.78	100	*
<b>14.00X1.78</b>	14.00	1.78	50	*
<b>17.17X1.78</b>	17.17	1.78	50	*
<b>20.35X1.78</b>	20.35	1.78	50	*
<b>21.95X1.78</b>	21.95	1.78	50	*
<b>25.12X1.78</b>	25.12	1.78	50	*
<b>26.7X1.78</b>	26.7	1.78	50	*
<b>28.3X1.78</b>	28.3	1.78	50	*
<b>31.47X1.78</b>	31.47	1.78	50	*
<b>33.05X1.78</b>	33.05	1.78	50	*
<b>34.65X1.78</b>	34.65	1.78	50	*
<b>41.00X1.78</b>	41.00	1.78	50	*
<b>44.17X1.78</b>	44.17	1.78	50	*
<b>47.35X1.78</b>	47.35	1.78	50	*
<b>50.52X1.78</b>	50.52	1.78	50	*
<b>56.87X1.78</b>	56.87	1.78	50	*
<b>60.05X1.78</b>	60.05	1.78	50	*
<b>63.22X1.78</b>	63.22	1.78	50	*
<b>66.4X1.78</b>	66.4	1.78	50	*
<b>69.57X1.78</b>	69.57	1.78	50	*

# Juntas tóricas

O´rings  
Joints toriques

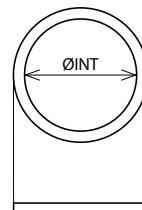
Roquet

Dantfoss

Juntas Besma /  
Productos Salinas

## Juntas tóricas 2.62

O´rings 2.62  
Joints toriques 2.62



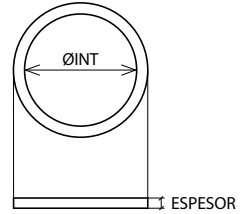
Part nº Referencia	Ø INNER Ø INT.	Thickness (mm) Espesor (mm)	UNITS PER BAG CANTIDAD / BOLSA	€
1.24X2.62	1.24	2.62	100	*
2.06X2.62	2.06	2.62	100	*
2.84X2.62	2.84	2.62	100	*
3.63X2.62	3.63	2.662	100	*
5.23X2.62	5.23	2.62	100	*
6.02X2.62	6.02	2.62	100	*
7.59X2.62	7.59	2.62	100	*
9.19X2.62	9.19	2.62	100	*
10.77X2.62	10.77	2.62	100	*
12.37X2.62	12.37	2.62	100	*
15.54X2.62	15.54	2.62	100	*
17.12X2.62	17.12	2.62	50	*
18.72X2.62	18.72	2.62	50	*
20.3X2.62	20.3	2.62	50	*
21.89X2.62	21.89	2.62	50	*
23.47X2.62	23.47	2.62	50	*
25.07X2.62	25.07	2.62	50	*
28.24X2.62	28.24	2.62	50	*
29.82X2.62	29.82	2.62	50	*
32.99X2.62	32.99	2.62	50	*
34.59X2.62	34.59	2.62	50	*
36.17X2.62	36.17	2.62	50	*
37.77X2.62	37.77	2.62	50	*
42.52X2.62	42.52	2.62	25	*
44.12X2.62	44.12	2.62	25	*
45.69X2.62	45.69	2.62	25	*
47.29X2.62	47.29	2.62	25	*
50.47X2.62	50.47	2.62	25	*
52.07X2.62	52.07	2.62	25	*
53.64X2.62	53.64	2.62	25	*
55.25X2.62	55.25	2.62	25	*
56.82X2.62	56.82	2.62	25	*
58.42X2.62	58.42	2.62	25	*
63.17X2.62	63.17	2.62	25	*
64.77X2.62	64.77	2.62	25	*
66.34X2.62	66.34	2.62	25	*
67.95X2.62	67.95	2.62	25	*
31.42X2.62	31.42	2.62	50	*

# Juntas tóricas

O´rings  
Joints toriques

## Juntas tóricas 3.53

O´rings 3.53  
Joints toriques 3.53



Part nº Referencia	Ø INNER Ø INT.	Thickness (mm) Espesor (mm)	UNITS PER BAG CANTIDAD / BOLSA	€
<b>4.34X3.53</b>	4.34	3.53	50	*
<b>5.94X3.53</b>	5.94	3.53	50	*
<b>7.52X3.53</b>	7.52	3.53	50	*
<b>9.12X3.53</b>	9.12	3.53	50	*
<b>10.69X3.53</b>	10.69	3.53	50	*
<b>12.29X3.53</b>	12.29	3.53	50	*
<b>13.87X3.53</b>	13.87	3.53	50	*
<b>21.82X3.53</b>	21.82	3.53	50	*
<b>23.39X3.53</b>	23.39	3.53	50	*
<b>28.17X3.53</b>	28.17	3.53	25	*
<b>29.74X3.53</b>	29.74	3.53	25	*
<b>31.34X3.53</b>	31.34	3.53	25	*
<b>34.52X3.53</b>	34.52	3.53	25	*
<b>36.09X3.53</b>	36.09	3.53	25	*
<b>37.69X3.53</b>	37.69	3.53	25	*
<b>40.87X3.53</b>	40.87	3.53	25	*
<b>44.04X3.53</b>	44.04	3.53	25	*
<b>46.04X3.53</b>	46.04	3.53	25	*
<b>50.39X3.53</b>	50.39	3.53	25	*
<b>53.57X3.53</b>	53.57	3.53	25	*
<b>55.56X3.53</b>	55.56	3.53	25	*
<b>59.92X3.53</b>	59.92	3.53	25	*
<b>66.27X3.53</b>	66.27	3.53	25	*
<b>69.44X3.53</b>	69.44	3.53	25	*

# Juntas tóricas

O´rings  
Joints toriques

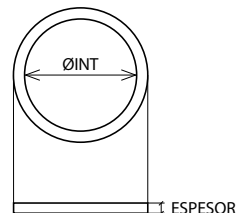
Roquet

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## Juntas tóricas 5.33

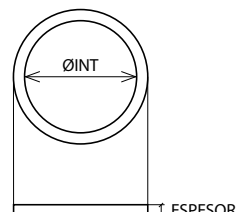
O´rings 5.33  
Joints toriques 5.33



Part nº Referencia	Ø INNER Ø INT.	Thickness (mm) Espesor (mm)	UNITS PER BAG CANTIDAD / BOLSA	€
<b>10.46X5.33</b>	10.46	5.33	25	*
<b>12.07X5.33</b>	12.07	5.33	25	*
<b>13.64X5.33</b>	13.64	5.33	25	*
<b>15.24X5.33</b>	15.24	5.33	25	*
<b>16.81X5.33</b>	16.81	5.33	25	*
<b>19.99X5.33</b>	19.99	5.33	25	*
<b>21.59X5.33</b>	21.59	5.33	25	*
<b>23.16X5.33</b>	23.16	5.33	25	*
<b>24.77X5.33</b>	24.77	5.33	25	*
<b>26.34X5.33</b>	26.34	5.33	25	*
<b>27.94X5.33</b>	27.94	5.33	25	*
<b>29.51X5.33</b>	29.51	5.33	25	*
<b>31.12X5.33</b>	31.12	5.33	25	*
<b>32.69X5.33</b>	32.69	5.33	25	*
<b>34.29X5.33</b>	34.29	5.33	25	*
<b>37.47X5.33</b>	37.47	5.33	25	*
<b>40.64X5.33</b>	40.64	5.33	10	*
<b>43.82X5.33</b>	43.82	5.33	10	*
<b>46.99X5.33</b>	46.99	5.33	10	*
<b>50.17X5.33</b>	50.17	5.33	10	*
<b>53.34X5.33</b>	53.34	5.33	10	*
<b>56.52X5.33</b>	56.52	5.33	10	*
<b>66.04X5.33</b>	66.04	5.33	10	*

## Juntas tóricas 6.99

O´rings 6.99  
Joints toriques 6.99



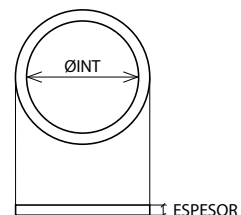
Part nº Referencia	Ø INNER Ø INT.	Thickness (mm) Espesor (mm)	UNITS PER BAG CANTIDAD / BOLSA	€
<b>113.67X6.99</b>	113.67	6.99	10	*
<b>116.84X6.99</b>	116.84	6.99	10	*
<b>120.02X6.99</b>	120.02	6.99	10	*
<b>123.19X6.99</b>	123.19	6.99	10	*
<b>126.37X6.99</b>	126.37	6.99	10	*
<b>129.54X6.99</b>	129.54	6.99	10	*
<b>132.72X6.99</b>	132.72	6.99	10	*
<b>135.89X6.99</b>	135.89	6.99	10	*
<b>139.07X6.99</b>	139.07	6.99	10	*
<b>142.24X6.99</b>	142.24	6.99	10	*
<b>145.42X6.99</b>	145.42	6.99	10	*
<b>148.59X6.99</b>	148.59	6.99	10	*

# Juntas tóricas

O´rings  
Joints toriques

## Juntas tóricas 1

O´rings 1  
Joints toriques 1



Part nº Referencia	Ø INNER Ø INT.	Thickness (mm) Espesor (mm)	UNITS PER BAG CANTIDAD / BOLSA	€
<b>2X1</b>	2	1	100	*
<b>3X1</b>	3	1	100	*
<b>4X1</b>	4	1	100	*
<b>5X1</b>	5	1	100	*
<b>6X1</b>	6	1	100	*
<b>7X1</b>	7	1	100	*
<b>8X1</b>	8	1	100	*
<b>9X1</b>	9	1	100	*
<b>10X1</b>	10	1	100	*
<b>11X1</b>	11	1	100	*
<b>16X1</b>	16	1	100	*
<b>17X1</b>	17	1	100	*
<b>18X1</b>	18	1	100	*
<b>19X1</b>	19	1	100	*
<b>20X1</b>	20	1	100	*
<b>21X1</b>	21	1	100	*
<b>22X1</b>	22	1	100	*
<b>23X1</b>	23	1	100	*
<b>24X1</b>	24	1	100	*
<b>25X1</b>	25	1	100	*



# Juntas tóricas

O´rings  
Joints toriques

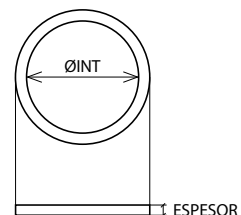
Roquet

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Juntas Besma /  
Productos Salinas

## Juntas tóricas 2

O´rings 2  
Joints toriques 2



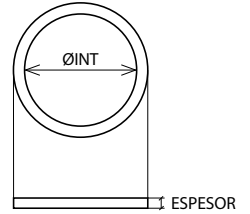
Part nº Referencia	Ø INNER Ø INT.	Thickness (mm) Espesor (mm)	UNITS PER BAG CANTIDAD / BOLSA	€
<b>3X2</b>	3	2	100	*
<b>4X2</b>	4	2	100	*
<b>5X2</b>	5	2	100	*
<b>6X2</b>	6	2	100	*
<b>7X2</b>	7	2	100	*
<b>8X2</b>	8	2	100	*
<b>9X2</b>	9	2	100	*
<b>10X2</b>	10	2	100	*
<b>12X2</b>	12	2	100	*
<b>13X2</b>	13	2	100	*
<b>14X2</b>	14	2	100	*
<b>15X2</b>	15	2	100	*
<b>16X2</b>	16	2	100	*
<b>18X2</b>	18	2	100	*
<b>19X2</b>	19	2	100	*
<b>20X2</b>	20	2	100	*
<b>22X2</b>	22	2	100	*
<b>23X2</b>	23	2	100	*
<b>24X2</b>	24	2	100	*
<b>25X2</b>	25	2	100	*

# Juntas tóricas

O´rings  
Joints toriques

## Juntas tóricas 3

O´rings 3  
Joints toriques 3



Part nº Referencia	Ø INNER Ø INT.	Thickness (mm) Espesor (mm)	UNITS PER BAG CANTIDAD / BOLSA	€
3X3	3	3	50	*
4X3	4	3	50	*
5X3	5	3	50	*
6X3	6	3	50	*
7X3	7	3	50	*
8X3	8	3	50	*
9X3	9	3	50	*
13X3	13	3	50	*
15X3	15	3	50	*
16X3	16	3	50	*
18X3	18	3	50	*
19X3	19	3	50	*
20X3	20	3	50	*
21X3	21	3	50	*
22X3	22	3	50	*
23X3	23	3	50	*
24X3	24	3	50	*
25X3	25	3	50	*
26X3	26	3	25	*
27X3	27	3	25	*
40X3	40	3	100	*
28X3	28	3	25	*
30X3	30	3	25	*
31X3	31	3	25	*
32X3	32	3	25	*
33X3	33	3	25	*
34X3	34	3	25	*
35X3	35	3	25	*
36X3	36	3	25	*
37X3	37	3	25	*
38X3	38	3	25	*
39X3	39	3	25	*
41X3	41	3	25	*
42X3	42	3	25	*
43X3	43	3	25	*
45X3	45	3	25	*
46X3	46	3	25	*
48X3	48	3	25	*
50X3	50	3	25	*
29X3	29	3		*
44X3	44	3	25	*

# Juntas tóricas

O´rings  
Joints toriques

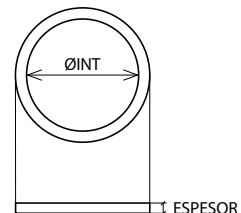
Roquet

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Productos Salinas

## Juntas tóricas 4

O´rings 4  
Joints toriques 4



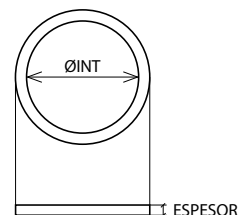
Part nº Referencia	Ø INNER Ø INT.	Thickness (mm) Espesor (mm)	UNITS PER BAG CANTIDAD / BOLSA	€
10X4	10	4	25	*
11X4	11	4	25	*
12X4	12	4	25	*
13X4	13	4	25	*
14X4	14	4	25	*
15X4	15	4	25	*
16X4	16	4	25	*
17X4	17	4	25	*
18X4	18	4	25	*
19X4	19	4	25	*
20X4	20	4	25	*
21X4	21	4	25	*
22X4	22	4	25	*
23X4	23	4	25	*
24X4	24	4	25	*
25X4	25	4	25	*
26X4	26	4	25	*
27X4	27	4	25	*
28X4	28	4	25	*
29X4	29	4	25	*
30X4	30	4	25	*
31X4	31	4	25	*
32X4	32	4	25	*
33X4	33	4	25	*
34X4	34	4	25	*
35X4	35	4	25	*
36X4	36	4	25	*
37X4	37	4	10	*
38X4	38	4	10	*
39X4	39	4	10	*
40X4	40	4	10	*
41X4	41	4	10	*
42X4	42	4	10	*
43X4	43	4	10	*
44X4	44	4	10	*
45X4	45	4	10	*
46X4	46	4	10	*
48X4	48	4	10	*
49X4	49	4	10	*
50X4	50	4	10	*

# Juntas tóricas

O´rings  
Joints toriques

## Juntas tóricas 5

O´rings 5  
Joints toriques 5



Part nº Referencia	Ø INNER Ø INT.	Thickness (mm) Espesor (mm)	UNITS PER BAG CANTIDAD / BOLSA	€
10X5	10	5	25	*
11X5	11	5	25	*
12X5	12	5	25	*
13X5	13	5	25	*
14X5	14	5	25	*
15X5	15	5	25	*
16X5	16	5	25	*
17X5	17	5	25	*
18X5	18	5	25	*
19X5	19	5	25	*
20X5	20	5	25	*
21X5	21	5	25	*
22X5	22	5	25	*
23X5	23	5	10	*
25X5	25	5	10	*
26X5	26	5	10	*
27X5	27	5	10	*
28X5	28	5	10	*
29X5	29	5	10	*
30X5	30	5	10	*
31X5	31	5	10	*
32X5	32	5	10	*
33X5	33	5	10	*
34X5	34	5	10	*
35X5	35	5	10	*
36X5	36	5	10	*
37X5	37	5	10	*
38X5	38	5	10	*
39X5	39	5	10	*
40X5	40	5	10	*
41X5	41	5	10	*
42X5	42	5	10	*
43X5	43	5	10	*
45X5	45	5	10	*
46X5	46	5	10	*
47X5	47	5	10	*
48X5	48	5	10	*
49X5	49	5	10	*
50X5	50	5	10	*

# Collarines tipo TTU

Rod and piston seals type TTU  
Joints de tige/piston - type TTU

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## Collarines tipo TTU (roce interior y exterior)

Rod and piston seals type TTU (internal and external contact)  
Joints de tige/piston type TTU (contact intérieur et extérieur)



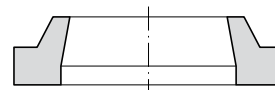
Part nº Referencia	Ø OUTER Ø EXT.	Ø INNER Ø INT.	HEIGHT (MM) ALTURA (MM)	UNITS PER BAG CANTIDAD / BOLSA	€
CO5-12-5	12	5	5	4	*
CO12-18-6	18	12	6	4	*
CO12-22-8	22	12	8	4	*
CO15-25-8	25	15	8	4	*
CO16-26-8	26	16	8	4	*
CO18-28-8	28	18	8	4	*
CO20-30-10	30	20	10	4	*
CO22-32-8	32	22	8	4	*
CO25-35-10	35	25	10	4	*
CO25-35-5	35	25	5	4	*
CO25-35-8	35	25	8	4	*
CO25-40-10	40	25	10	4	*
CO28-38-8	38	28	8	4	*
CO30-40-10	40	30	10	4	*
CO30-42-9	42	30	9	4	*
CO30-45-10	45	30	10	4	*
CO32-40-5	40	32	5	4	*
CO32-40-8	40	32	8	4	*
CO32-42-10	42	32	10	4	*
CO32-45-10	45	32	10	2	*
CO34-45-7	45	34	7	2	*
CO35-45-10	45	35	10	2	*
CO35-45-8	45	35	8	2	*
CO35-50-10	50	35	10	2	*
CO40-48-11	48	40	11	2	*
CO40-50-10	50	40	10	2	*
CO40-50-8	50	40	8	2	*
CO40-55-10	55	40	10	2	*
CO40-60-13	60	40	13	2	*
CO42-50-8	50	42	8	2	*
CO45-55-10	55	45	10	2	*
CO45-60-10	60	45	10	2	*
CO50-60-10	60	50	10	2	*
CO50-65-10	65	50	10	2	*
CO50-70-12	70	50	12	2	*
CO53-63-6.5	63	53	6.5	2	*
CO55-65-10	65	55	10	2	*
CO55-65-12	65	55	12	2	*
CO55-70-12	70	55	12	2	*
CO60-70-8	70	60	8	2	*
CO60-75-10	75	60	10	2	*
CO60-75-12	75	60	12	2	*
CO60-80-10	80	60	10	2	*
CO60-80-12	80	60	12	2	*
CO65-80-12	80	65	12	2	*
CO70-80-10	80	70	10	2	*
CO70-80-12	80	70	12	2	*
CO70-80-8	80	70	8	2	*
CO70-85-12	85	70	12	2	*
CO75-85-12	85	75	12	2	*
CO80-100-12	100	80	12	2	*
CO80-90-12	90	80	12	2	*
CO80-95-12	95	80	12	2	*
CO85-100-11	100	85	11	2	*
CO85-100-12	100	85	12	2	*
CO85-95-12	95	85	12	2	*
CO90-100-12	100	90	12	2	*
CO90-110-12	110	90	12	2	*
CO100-115-12	115	100	12	2	*
CO100-120-12	120	100	12	2	*
CO110-130-10	130	110	10	2	*

# Rascadores

Wipers  
Racleurs

## Rascadores flexibles

Flexible wipers  
Racleurs flexibles



Part nº Referencia	Ø OUTER Ø EXT.	Ø INNER Ø INT.	HEIGHT (MM) ALTURA (MM)	UNITS PER BAG CANTIDAD / BOLSA	€
<b>RF12-18.6-3.8</b>	18.6	12	3.8	6	*
<b>RF14-20.6-3.8</b>	20.6	14	3.8	6	*
<b>RF15-21.6-3.8</b>	21.6	15	3.8	6	*
<b>RF16-24-7/4</b>	24	16	7/4	6	*
<b>RF17-23.6-3.8</b>	23.6	17	3.8	6	*
<b>RF19-28.6-5.3</b>	19	28.6	5.3	6	*
<b>RF20-28.6-5.3</b>	28.6	20	5.3	6	*
<b>RF22-30.6-5.3</b>	30.6	22	5.3	6	*
<b>RF24-32.6-5.3</b>	32.6	24	5.3	6	*
<b>RF25-33.6-5.3</b>	33.6	25	5.3	6	*
<b>RF28-36.6-5.3</b>	36.6	28	5.3	6	*
<b>RF30-38.6-5.3</b>	38	30	5.3	6	*
<b>RF32-40.6-5.3</b>	40.6	32	5.3	6	*
<b>RF35-43.6-5.3</b>	43.6	35	5.3	6	*
<b>RF36-44.6-5.3</b>	44.6	36	5.3	6	*
<b>RF38-46.6-5.3</b>	46.6	38	5.3	6	*
<b>RF40-48.6-5.3</b>	48.6	40	5.3	6	*
<b>RF42-50.6-5.3</b>	50.6	42	5.3	6	*
<b>RF45-53.6-5.3</b>	53.6	45	5.3	6	*
<b>RF45-55.6-5.3</b>	55.6	45	5.3	6	*
<b>RF46-54.6-5.3</b>	54.6	46	5.3	6	*
<b>RF48-56.6-5.3</b>	56.6	48	5.3	6	*
<b>RF50-58.6-5.3</b>	58.6	50	5.3	6	*
<b>RF50-60.6-5.3</b>	60.6	50	5.3	6	*
<b>RF53-61.6-5.3</b>	61.6	53	5.3	6	*
<b>RF55-63.6-5.3</b>	63.6	55	5.3	6	*
<b>RF55-65.6-5.3</b>	65.6	55	5.3	6	*
<b>RF56-64.6-5.3</b>	64.6	56	5.3	4	*
<b>RF56-66.6-5.3</b>	66.6	56	5.3	4	*
<b>RF60-68.6-5.3</b>	68.6	60	5.3	4	*
<b>RF63-71.6-5.3</b>	71.6	63	5.3	4	*
<b>RF65-73.6-5.3</b>	73.6	65	5.3	4	*
<b>RF65-75.6-5.3</b>	75.6	65	5.3	4	*
<b>RF70-78.6-5.3</b>	78.6	70	5.3	4	*
<b>RF80-88.6-5.3</b>	80	88.6	5.3	4	*
<b>RF90-102-7.1</b>	102	90	7.1	4	*
<b>RF90-98-7/4</b>	98	90	7/4	4	*

# Rascadores

Wipers  
Racleurs

Roquet

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## Rascadores metálicos

Metallic wipers  
Racleurs métalliques



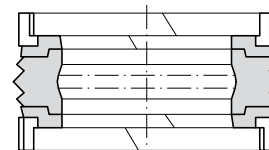
Part nº Referencia	Ø OUTER Ø EXT.	Ø INNER Ø INT.	HEIGHT (MM) ALTURA (MM)	UNITS PER BAG CANTIDAD / BOLSA	€
RM16-22-3/4	22	16	3/4	6	*
RM18-26-5/7	26	18	5/7	6	*
RM20-28-3.5/5	28	20	3.5/5	6	*
RM20-28-5/8	28	20	5/8	6	*
RM20-30-7/10	30	20	7/10	6	*
RM22-28-5/8	28	22	5/8	6	*
RM22-32-5/7	32	22	5/7	6	*
RM22-32-7/10	32	22	7/10	6	*
RM22-35-5/8	35	22	5/8	6	*
RM25-35-5/8	35	25	5/8	6	*
RM25-35-7/10	35	25	7/10	6	*
RM28-38-5/8	38	28	5/8	6	*
RM30-40-5/8	40	30	5/8	6	*
RM30-40-7/10	40	30	7/10	6	*
RM32-45-7/10	45	32	7/10	6	*
RM35-45-7/10	45	35	7/10	6	*
RM35-47-7/10	47	35	7/10	6	*
RM36-46-5/8	46	36	5/8	6	*
RM40-50-5/8	50	40	5/8	6	*
RM40-50-7/10	50	40	7/10	6	*
RM42-52-7/10	52	42	7/10	6	*
RM45-55-7/10	55	45	7/10	6	*
RM45-60-7/10	60	45	7/10	6	*
RM50-56-5/8	56	50	5/8	6	*
RM50-60-7/10	60	50	7/10	6	*
RM50-65-7/10	65	50	7/10	6	*
RM55-65-7/10	65	55	7/10	6	*
RM60-70-7/10	70	60	7/10	6	*
RM60-75-7/10	75	60	7/10	4	*
RM63-75-7/10	75	63	7/10	4	*
RM65-75-7/10	75	65	7/10	4	*
RM70-80-7/10	80	70	7/10	4	*
RM80-90-7/10	90	80	7/10	4	*
RM90-100-7/10	100	90	7/10	2	*
RM110-120-7/10	120	110	7/10	2	*
RM135-145-7/10	145	135	7/10	2	*
RM180-195-10/14	195	180	10/14	2	*

# Estanqueidad Simko

*Simko tightness*  
Étanchéité Simko

## Estanqueidad Simko

*Simko tightness*  
Étanchéité Simko



Part nº Referencia	Ø OUTER Ø EXT.	Ø INNER Ø INT.	HEIGHT (MM) ALTURA (MM)	UNITS PER BAG CANTIDAD / BOLSA	€
EM22-32-12.5	32	22	12.5	2	*
EM22-32-16.4	32	22	16.4	2	*
EM24-32-15.5	32	24	15.5	2	*
EM25-35-16.4	35	25	16.4	2	*
EM27-35-15.5	35	27	15.5	2	*
EM29-45-18.4	45	29	18.4	2	*
EM30-40-16.4	40	30	16.4	2	*
EM32-40-15.5	40	32	15.5	2	*
EM34-50-18.4	50	34	18.4	2	*
EM37-45-15.5	45	37	15.5	2	*
EM38-50-20.5	50	38	20.5	2	*
EM39-55-18.4	55	39	18.4	2	*
EM43-55-20.5	55	43	20.5	2	*
EM44-60-18.4	60	44	18.4	2	*
EM47-63-18.4	63	47	18.4	2	*
EM48-60-20.5	60	48	20.5	2	*
EM50-65-18.4	65	50	18.4	2	*
EM50-70-22.4	70	50	22.4	2	*
EM51-63-20.5	63	51	20.5	2	*
EM53-65-20.5	65	53	20.5	2	*
EM54-70-20.5	70	54	20.5	2	*
EM55-75-22.4	75	55	22.4	2	*
EM58-70-20.5	70	58	20.5	2	*
EM60-80-22.4	80	60	22.4	2	*
EM63-75-20.5	75	63	20.5	2	*
EM63-83-22.4					*
EM65-85-22.4	85	65	22.4	2	*
EM66-80-22.5	80	66	22.5	2	*
EM70-90-22.4	90	70	22.4	2	*
EM75-100-22.4	100	75	22.4	2	*
EM75-90-20	90	75	20	2	*
EM75-95-22.4	95	75	22.4	2	*
EM76-90-22.5	90	76	22.5	2	*
EM80-100-25.4	100	80	25.4	2	*
EM80-105-22.4	105	80	22.4	2	*
EM86-100-22.5	100	86	22.5	2	*
EM90-115-22.4	115	90	22.4	2	*
EM95-120-22.4	120	95	22.4	2	*
EM96-110-22.5	110	96	22.5	2	*
EM100-125-25.4	125	100	25.4	2	*
EM105-130-25.4	130	105	25.4	2	*



# Balsele

Balsele  
Balsele

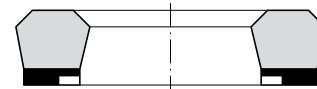
Roquet

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## Balsele

Balsele  
Balsele



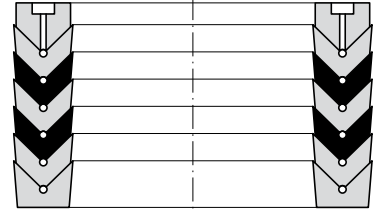
Part nº Referencia	Ø OUTER Ø EXT.	Ø INNER Ø INT.	HEIGHT (MM) ALTURA (MM)	UNITS PER BAG CANTIDAD / BOLSA	€
<b>BA16-24-7</b>	24	16	7	2	*
<b>BA20-28-7</b>	28	20	7	2	*
<b>BA25-33-6.4</b>	33	25	6.4	2	*
<b>BA25-35-9</b>	35	25	9	2	*
<b>BA28-36-6.4</b>	36	28	6.4	2	*
<b>BA30-38-6.4</b>	38	30	6.4	2	*
<b>BA35-45-8</b>	45	35	8	2	*
<b>BA36-43-6.5</b>	43	36	6.5	2	*
<b>BA36-44-6.4</b>	44	36	6.4	2	*
<b>BA45-53-6.5</b>	53	45	6.5	2	*
<b>BA45-55-11</b>	55	45	11	2	*
<b>BA45-55-8</b>	55	45	8	2	*
<b>BA48-60-7</b>	60	48	7	2	*
<b>BA50-60-8</b>	60	50	8	2	*
<b>BA50-65-11</b>	65	50	11	2	*
<b>BA60-70-13</b>	70	60	13	2	*
<b>BA60-70-8</b>	70	60	8	2	*
<b>BA65-75-13.5</b>	75	65	13.5	2	*
<b>BA65-85-14.5</b>	85	65	14.5	2	*
<b>BA70-80-13</b>	80	70	13	2	*
<b>BA70-84-12.5</b>	84	70	12.5	2	*
<b>BA73.02-88.9-11.5</b>	88.9	73.02	11.5	2	*
<b>BA75-90-11</b>	90	75	11	2	*
<b>BA76.2-92-10</b>	92	76.2	10	2	*
<b>BA80-100-12</b>	100	80	12	2	*
<b>BA80-90-8</b>	90	80	8	2	*
<b>BA80-96-10.5</b>	96	80	10.5	2	*

# Empaquetaduras

*Piled rod and piston seals*  
Joints de tige empilable

## Empaquetaduras

*Piled rod and piston seals*  
Joints de tige empilable



Part nº Referencia	Ø OUTER Ø EXT.	Ø INNER Ø INT.	HEIGHT (MM) ALTURA (MM)	UNITS PER BAG CANTIDAD / BOLSA	€
<b>CH31.7-44.4-19</b>	44.4	31.7	19	1	*
<b>CH35-45-21.78</b>	45	35	21.78	1	*
<b>CH35-50-22.5</b>	50	35	22.5	1	*
<b>CH38.1-50.8-19</b>	50.8	38.1	19	1	*
<b>CH38.1-53.97-25.27</b>	53.97	38.1	25.27	1	*
<b>CH40-60-30</b>	60	40	30	1	*
<b>CH44.4-57.1-21</b>	57.1	44.4	21	1	*
<b>CH45-55-17.5</b>	55	45	17.5	1	*
<b>CH50.8-63.5-20</b>	63.5	50.8	20	1	*
<b>CH57.1-69.8-19</b>	69.8	57.1	19	1	*
<b>CH57.1-76.2-32</b>	76.2	57.1	32	1	*
<b>CH63.5-82.5-26</b>	82.5	63.5	26	1	*
<b>CH70-85-28</b>	85	70	28	1	*
<b>CH82.5-101.6-29</b>	101.6	82.5	29	1	*
<b>CH90-110-27</b>	110	90	27	1	*

# ACERO INOXIDABLE STAINLESS STEEL

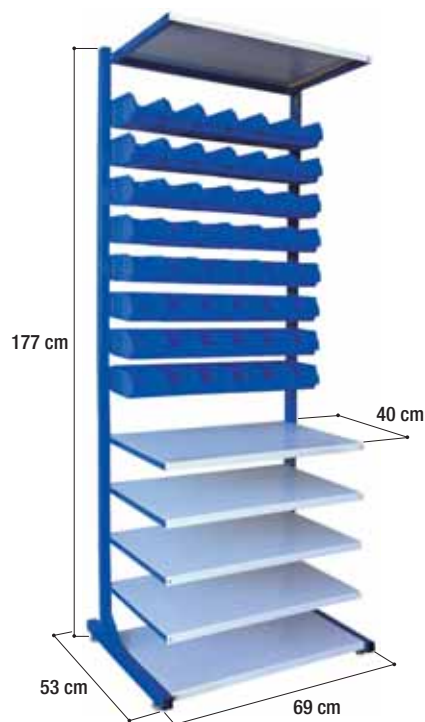


CONEXIONES PARA FLEXIBLES  
TUBO RÍGIDO  
RACORES DIN 2353  
RACORES JIC 37°  
BRIDAS SAE  
RACORES SOLDABLES  
ADAPTADORES BSP  
ADAPTADORES NPT  
ADAPTADORES O´RING BOSS  
ADAPTADORES ORFS  
RACORES INDUSTRIALES  
ENCHUFES RÁPIDOS  
LLAVES DE PASO  
COMPONENTES HIDRÁULICOS



CRIMP FITTINGS FOR HOSES  
RIGID PIPE  
DIN 2353 PIPE FITTINGS  
FLARE FITTINGS JIC 37°  
SAE FLANGES  
WELDING FITTINGS  
BSP ADAPTORS  
NPT ADAPTORS  
O´RING BOSS ADAPTORS  
ORFS ADAPTORS  
INDUSTRIAL FITTINGS  
QUICK COUPLINGS  
BALL VALVES  
HYDRAULIC COMPONENTS





## Expositor de neumática

**DICSA** le propone de una forma rápida y fácil incrementar su gama de productos y su línea de negocio con una mínima inversión, introduciéndose en la neumática con este stock básico sobre un expositor a medida.

**Consúltenos.**

## Présentoir pneumatique

**DICSA** vous offre un moyen rapide et facile d'élargir votre gamme de produits ainsi que votre secteur d'activité avec un investissement minime. Nous vous proposons un stock basique pour démarrer dans le secteur de la pneumatique.

**Consultez-nous.**

## Pneumatic display

**DICSA** offers a quick and easy way to increase your range of products and your business line with minimal investment, starting with a basic pneumatic stock on a fitted display.

**Consult us.**

## Componentes neumáticos

*Pneumatic components*

Composants pneumatiques





**Tratamiento de aire comprimido***Compressed air treatment*

Traitement air comprimé

1

**Válvulas de control***Control Valves*

Valves de contrôle

2

**Válvulas de corte***Low pressure valves*

Valves à clapet

3

**Cilindros neumáticos***Pneumatic cylinders*

Vérins pneumatiques

4

# Tratamiento de aire comprimido

*Compressed air treatment*

Traitement air comprimé

## **Elementos para el tratamiento de aire comprimido**

*Compressed air treatment elements*

Éléments pour le traitement d'air comprimé

**312**





1

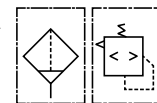


# Elementos para el tratamiento de aire comprimido

Compressed air treatment elements  
Éléments de traitement d'air comprimé

## Filtro-regulador estándar Metálico

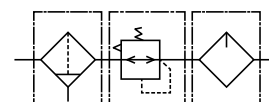
Filter-pressure reducer  
Filtre-régulateur standard métallique



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FR 1/4 M</b>	1/4" BSP	550	10	<b>38,15</b>
<b>FR 1/2 M</b>	1/2" BSP	4000	10	<b>77,19</b>
<b>FR 1 M</b>	1" BSP	5500	10	<b>107,18</b>

## Filtro-regulador + lubricador compacto

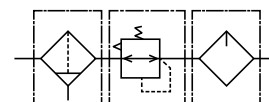
Filter-pressure reducer + lubricant  
Filtre-régulateur + lubrificateur compact



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FR+L 1/4 M</b>	1/4" BSP	500	10	<b>57,93</b>
<b>FR+L 1/2 M</b>	1/2" BSP	3000	10	<b>117,08</b>
<b>FR+L 1 M</b>	1" BSP	4000	10	<b>159,89</b>

## Filtro + regulador + lubricador (3 cuerpos)

Pressure reducer + lubricant + filter  
Filtre + régulateur + lubrificateur (3 corps)



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FRL 1/4 M</b>	1/4" BSP	500	10	<b>69,13</b>
<b>FRL 1/2 M</b>	1/2" BSP	4000	10	<b>143,36</b>
<b>FRL 1 M</b>	1" BSP	5000	10	<b>197,60</b>

COMBINACIÓN  
DE GRUPOS DE  
FILTRACIÓN  
FILTRATION  
GROUP COMBINATION

**F+R+L**



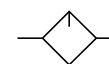
**FR+L**



Disponemos de todos los accesorios de acoplamiento | We have all the assembly accessories

## Filtro Metálico

Metallic Filter  
Filtre métallique



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>FIL 1/4 M</b>	1/4" BSP	750	10	<b>15,86</b>
<b>FIL 1/2 M</b>	1/2" BSP	4000	10	<b>33,44</b>
<b>FIL 1 M</b>	1" BSP	7000	10	<b>49,77</b>

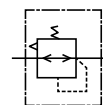
# Elementos para el tratamiento de aire comprimido

Compressed air treatment elements  
Éléments de traitement d'air comprimé

## Regulador



Pressure reducer  
Régulateur

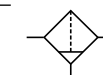


Part nº Referencia	THREAD ROSCA	€
<b>REG 1/4</b>	1/4" BSP	<b>28,76</b>
<b>REG 1/2</b>	1/2" BSP	<b>59,39</b>
<b>REG 1</b>	1" BSP	<b>74,17</b>

## Lubricador



Atomised lubricant  
Lubrificateur



Part nº Referencia	THREAD ROSCA	MAX. FLOW (l/min) CAUDAL MÁX.	MAX. PRESSURE (bar) PRESIÓN MÁX. (bar)	€
<b>LUB 1/4 M</b>	1/4" BSP	800	10	<b>17,15</b>
<b>LUB 1/2 M</b>	1/2" BSP	5000	10	<b>36,18</b>
<b>LUB 1 M</b>	1" BSP	7000	10	<b>57,01</b>

## Manómetro



Gauge  
Manomètre

Part nº Referencia	Ø OUTER Ø EXT.	DESCRIPTION DESCRIPCIÓN	SCALE (bar) ESCALA (bar)	€
<b>MP4318012</b>	43mm	Dorsal	0 - 12	<b>12,96</b>
<b>MP5318012</b>	53mm	Dorsal	0 - 12	<b>12,96</b>
<b>MR5318012</b>	53mm	Vertical	0 - 12	<b>13,60</b>

## Soporte para FRL



Support bracket for FRL  
Support pour FRL

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>SOPORTE FRL14</b>	1/4 M (espaciador tipo L)	<b>7,39</b>
<b>SOPORTE FRL12</b>	1/2 M (espaciador tipo L)	<b>14,71</b>
<b>SOPORTE FRL1</b>	1 M (espaciador tipo L)	<b>15,29</b>

## Soporte para FR+L



Support bracket for FR+L  
Support pour FR+L

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>SOPORTE FR+L 14</b>	1/4 M (espaciador tipo T)	<b>8,55</b>
<b>SOPORTE FR+L 12</b>	1/2 M (espaciador tipo T)	<b>15,94</b>
<b>SOPORTE FR+L 1</b>	1 M (espaciador tipo T)	<b>19,57</b>

# Válvulas de control

*Control Valves*

Valves de contrôle

## **Válvulas de maniobra**

*Maneuvering valves*

Valves de manoeuvre

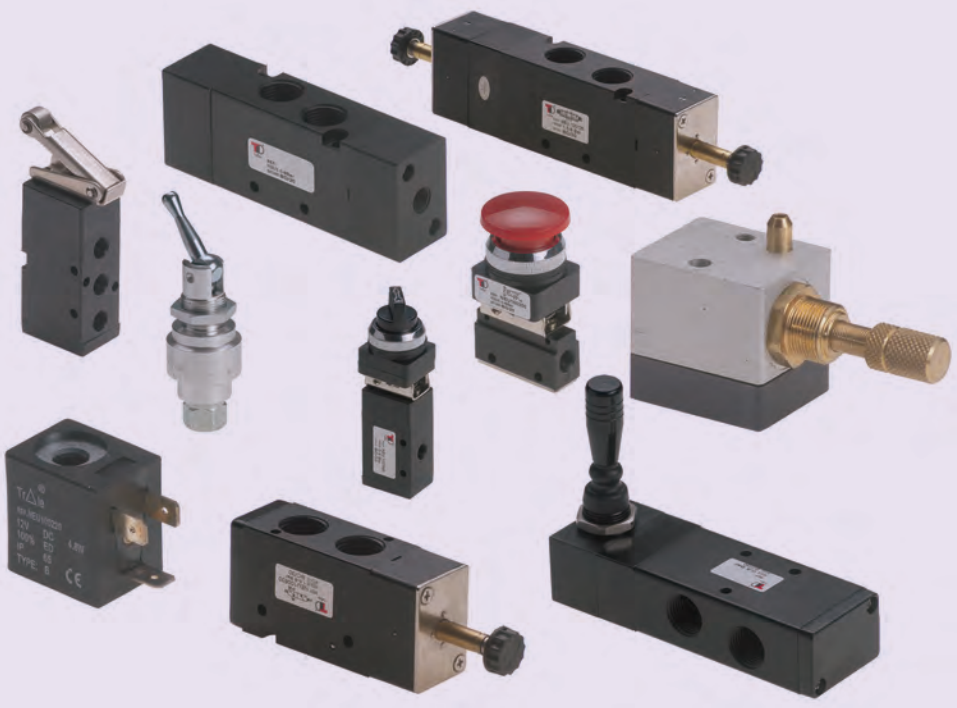
**316**

## **Válvulas accesorias**

*Accesorial valves*

Valves accessorielles

**328**



2



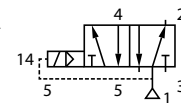
# Válvulas de maniobra

Maneuvering valves  
Valves de manoeuvre

## Válvulas con acc. eléctrico - 5/2 monoestable BSP

Solenoid operated - pilot spring

Vannes avec actionnement électrique mono-stable



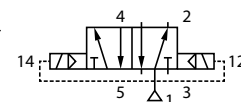
Part nº Referencia	THREAD ROSCA	€
<b>NEU100070</b>	1/8"	<b>21,27</b>
<b>NEU100073</b>	1/8"	<b>18,32</b>
<b>NEU100075</b>	1/4"	<b>19,75</b>
<b>NEU100080</b>	3/8"	<b>22,03</b>
<b>NEU100085</b>	1/2"	<b>49,73</b>
<b>NEU100086 *</b>	1/2"	<b>330,12</b>

Hasta fin de existencias / Until end of stock / Jusqu'à fin du stock

## Válvulas con acc. eléctrico - 5/2 biestable BSP

Solenoid operated - double pilot bi-stable

Vannes avec actionnement électrique bi-stable

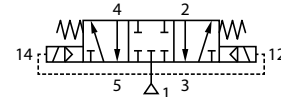


Part nº Referencia	THREAD ROSCA	€
<b>NEU100090</b>	1/8"	<b>27,33</b>
<b>NEU100093</b>	1/8"	<b>29,18</b>
<b>NEU100095</b>	1/4"	<b>31,01</b>
<b>NEU100100</b>	3/8"	<b>33,64</b>
<b>NEU100105</b>	1/2"	<b>57,79</b>

## Válvulas con acc. eléctrico - 5/3 C.C. BSP

Solenoid operated - C.C.

Vannes avec actionnement électrique centre fermé



Part nº Referencia	THREAD ROSCA	€
<b>NEU100110</b>	1/8"	<b>58,56</b>
<b>NEU100113</b>	1/8"	<b>61,39</b>
<b>NEU100115</b>	1/4"	<b>77,72</b>
<b>NEU100118</b>	3/8"	<b>91,81</b>
<b>NEU100120</b>	1/2"	<b>100,74</b>

## Pedales eléctricos

Electric foot pedal

Pédales électriques



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>PML</b>	Sin protección	<b>47,13</b>

# Válvulas de maniobra

Maneuvering valves  
Valves de manoeuvre

Compressed air  
treatment

Control Valves

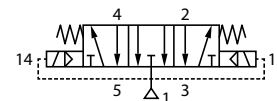
Low pressure valves

Pneumatic cylinders

## Válvulas con acc. eléctrico - 5/3 C.A. BSP

Solenoid operated - C.E.

Vannes avec actionnement électrique centre ouvert

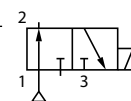


Part nº Referencia	THREAD ROSCA	€
<b>NEU100125</b>	1/8"	<b>61,51</b>
<b>NEU100128</b>	1/8"	<b>64,49</b>
<b>NEU100130</b>	1/4"	<b>61,51</b>
<b>NEU100133</b>	3/8"	<b>77,58</b>
<b>NEU100135</b>	1/2"	<b>100,74</b>

## Válvulas con acc. eléctrico 3/2 - N.A. BSP

Solenoid operated 3/2 N.O.

Vannes avec actionnement électrique 3/2- N.O.



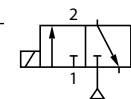
Part nº Referencia	THREAD ROSCA	€
<b>NEU100620</b>	1/8"	<b>20,75</b>
<b>NEU100623</b>	1/8"	<b>17,37</b>
<b>NEU100625</b>	1/4"	<b>18,44</b>
<b>NEU100628</b>	3/8"	<b>21,43</b>
<b>NEU100630</b>	1/2"	<b>45,86</b>
<b>NEU100635 *</b>	3/4"	<b>653,82</b>

Hasta fin de existencias / Until end of stock / Jusqu'à fin du stock

## Válvulas con acc. eléctrico 3/2 - N.C. BSP

Solenoid operated 3/2 N.C.

Vannes avec actionnement électrique 3/2- N.F.



Part nº Referencia	THREAD ROSCA	€
<b>NEU100600</b>	1/8"	<b>20,98</b>
<b>NEU100603</b>	1/8"	<b>17,37</b>
<b>NEU100605</b>	1/4"	<b>18,98</b>
<b>NEU100608</b>	3/8"	<b>21,43</b>
<b>NEU100610</b>	1/2"	<b>30,49</b>
<b>NEU100615 *</b>	3/4"	<b>653,82</b>

Hasta fin de existencias / Until end of stock / Jusqu'à fin du stock

# Válvulas de maniobra

Maneuvering valves  
Valves de manoeuvre



## Bobinas y conectores

Coils and connectors  
Bobines et connecteurs

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	VOLTAGE (V) VOLTAJE (V)	POWER (W) POTENCIA (W)	€
NEU100221	Bobina 1/8	12 DC	2.8W	4,80
NEU100226	Bobina 1/8	24 DC	2.8W	4,84
NEU100231	Bobina 1/8	24 AC	3.0VA	4,84
NEU100236	Bobina 1/8	110 AC	3.0VA	4,84
NEU100241	Bobina 1/8	220AC	3.0VA	4,84
NEU100215AC	Conector estándar	AC	--	2,42
NEU100215DC	Conector estándar	DC	--	2,42
NEU100220	Bobina	12 VDC	5W	4,84
NEU100216DC	Conector estándar 1/8	DC	--	1,81
NEU100216AC	Conector estándar 1/8	AC	--	1,81
NEU100225	Bobina	24 VDC	4,8W	4,80
NEU100230	Bobina	24/50 V	5.0VA	4,84
NEU100235	Bobina	110/50V	5.0VA	4,84
NEU100240	Bobina	220/50V	5.0VA	4,84

## Placas base para válvulas neumáticas 3/2

Subplates for pneumatic valves 3/2  
Plaques de base pour valves pneumatiques 3/2



Part nº Referencia	THREAD ROSCA	ELEMENTS NR. Nº ELEMENTOS	€
NEU100800	1/8" BSP	2	10,74
NEU100805	1/8" BSP	3	15,02
NEU100810	1/8" BSP	4	19,37
NEU100815	1/8" BSP	5	23,65
NEU100820	1/8" BSP	6	27,93
NEU100825	1/8" BSP	7	32,28
NEU100830	1/8" BSP	8	36,56
NEU100835	1/4" BSP	2	10,74
NEU100840	1/4" BSP	3	15,02
NEU100845	1/4" BSP	4	19,37
NEU100850	1/4" BSP	5	23,65
NEU100855	1/4" BSP	6	27,93
NEU100860	1/4" BSP	7	32,28
NEU100865	1/4" BSP	8	36,56
NEU100870	3/8" BSP	2	18,39
NEU100875	3/8" BSP	3	25,76
NEU100880	3/8" BSP	4	33,06
NEU100885	3/8" BSP	5	40,42
NEU100890	3/8" BSP	6	47,72
NEU100895	3/8" BSP	7	55,09
NEU100900	3/8" BSP	8	62,39
NEU100905	1/2" BSP	2	34,95
NEU100910	1/2" BSP	3	49,34
NEU100915	1/2" BSP	4	63,72
NEU100920	1/2" BSP	5	78,04
NEU100925	1/2" BSP	6	92,43
NEU100930	1/2" BSP	7	106,74
NEU100935	1/2" BSP	8	121,13



# Válvulas de maniobra

Maneuvering valves  
Valves de manoeuvre

Compressed air  
treatment

Control Valves

Low pressure valves

Pneumatic cylinders

## Placas base para válvulas neumáticas 5/2

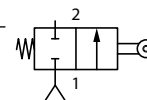
Subplates for pneumatic valves 5/2  
Plaques de base pour valves pneumatiques 5/2



Part nº Referencia	THREAD ROSCA	ELEMENTS NR. Nº ELEMENTOS	€
NEU100940	1/4" BSP	2	10,74
NEU100945	1/4" BSP	3	15,02
NEU100950	1/4" BSP	4	19,37
NEU100955	1/4" BSP	5	23,65
NEU100960	1/4" BSP	6	27,93
NEU100965	1/4" BSP	7	32,28
NEU100970	1/4" BSP	8	36,56
NEU100975	1/4" BSP	2	9,83
NEU100980	1/4" BSP	3	13,76
NEU100985	1/4" BSP	4	17,69
NEU100990	1/4" BSP	5	21,62
NEU100995	1/4" BSP	6	25,55
NEU101000	1/4" BSP	7	29,48
NEU101005	1/4" BSP	8	33,48
NEU101010	3/8" BSP	2	15,30
NEU101015	3/8" BSP	3	21,41
NEU101020	3/8" BSP	4	27,51
NEU101025	3/8" BSP	5	33,69
NEU101030	3/8" BSP	6	39,79
NEU101035	3/8" BSP	7	45,90
NEU101040	3/8" BSP	8	52,00
NEU101045	1/2" BSP	2	30,67
NEU101050	1/2" BSP	3	42,95
NEU101055	1/2" BSP	4	55,23
NEU101060	1/2" BSP	5	67,51
NEU101065	1/2" BSP	6	79,80
NEU101070	1/2" BSP	7	92,08
NEU101075	1/2" BSP	8	104,36

## Válvulas de rodillo bidireccional 2/2 Monoestable NC

Fixed roller 2/2 Monostable NC  
Vannes à rouleau bidirectionnel 2/2 Monostable NF

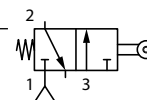


Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
NEU100370	1/8" BSP	3/2 Monoestable NC	13,78



## Válvulas de rodillo bidireccional 3/2 Monoestable NC

Fixed roller 3/2 Monostable NC  
Vannes à rouleau bidirectionnel 3/2 Monostable NF



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
NEU100375	1/8" BSP	3/2 Monoestable N.C.	19,22
NEU100380	1/4" BSP	3/2 Monoestable N.C.	19,22

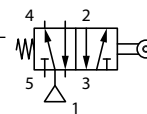


# Válvulas de maniobra

Maneuvering valves  
Valves de manoeuvre

## Válvulas de rodillo bidireccional 5/2 Monoestable

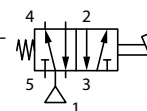
Fixed roller 5/2 Monostable  
Vannes à rouleau bidirectionnel 5/2 Monostable



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100390</b>	1/8" BSP	5/2 Monoestable	<b>21,36</b>
<b>NEU100395</b>	1/4" BSP	5/2 Monoestable	<b>21,36</b>

## Pedales neumáticos biestable con protección

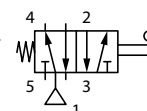
Pneumatic foot pedal bi-stable with protection  
Pédales pneumatiques bi-stable avec protection



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>PC 1/4 B</b>	1/4" BSP	5/2 Biestable con protección	12	<b>52,44</b>

## Pedales neumáticos monoestable sin protección

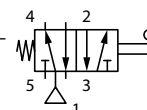
Pneumatic foot pedal monostable without protection  
Pédales pneumatiques monostable sans protection



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>PS 1/4</b>	1/4" BSP	5/2 Monoestable sin protección	12	<b>36,24</b>

## Pedales neumáticos monoestable con protección

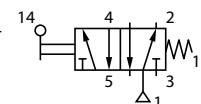
Pneumatic foot pedal monostable with protection  
Pédales pneumatiques monostable avec protection



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>PC 1/4 M</b>	1/4" BSP	5/2 Monoestable con protección	12	<b>48,58</b>

## Válvulas con acc. palanca - 5/2 monoestable

Lever - pilot-spring 5/2 ways mono-stable  
Vannes avec actionnement levier - 5/2 mono-stables



Part nº Referencia	THREAD ROSCA	€
<b>NEU100505</b>	1/8" BSP	<b>31,01</b>
<b>NEU100510</b>	1/4" BSP	<b>45,40</b>
<b>NEU100515</b>	3/8" BSP	<b>45,40</b>
<b>NEU100518</b>	1/2" BSP	<b>51,73</b>

# Válvulas de maniobra

Maneuvering valves  
Valves de manoeuvre

Compressed air  
treatment

Control Valves

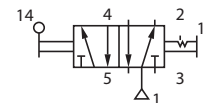
Low pressure valves

Pneumatic cylinders

## Válvulas con acc. palanca - 5/2 biestable



Lever - double-pilot 5/2 ways bi-stable  
Vannes avec actionnement levier - 5/2 bi-stables

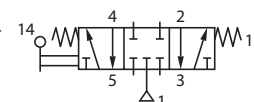


Part nº Referencia	THREAD ROSCA	€
<b>NEU100520</b>	1/8" BSP	<b>26,98</b>
<b>NEU100525</b>	1/4" BSP	<b>23,26</b>
<b>NEU100530</b>	3/8" BSP	<b>26,61</b>
<b>NEU100533</b>	1/2" BSP	<b>52,55</b>

## Válvulas con acc. palanca - 5/3 C.C. monoestable



Lever pilot-spring 5/3 C.C. mono-stable  
Vannes avec actionnement levier - 5/2 bi-stables

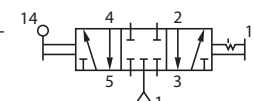


Part nº Referencia	THREAD ROSCA	€
<b>NEU100535</b>	1/8" BSP	<b>41,89</b>
<b>NEU100540</b>	1/4" BSP	<b>45,25</b>
<b>NEU100545</b>	3/8" BSP	<b>45,25</b>
<b>NEU100548</b>	1/2" BSP	<b>52,55</b>

## Válvulas con acc. palanca - 5/3 C.C. biestable



Lever - 3 stable positions 5/3 C.C. bi-stable  
Vannes avec actionnement levier - 5/3 C.F. bi-stables



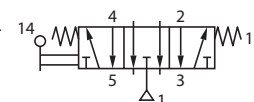
Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100546 *</b>	1/4" BSP	Talla B	<b>183,91</b>
<b>NEU100565</b>	1/8" BSP	Talla B	<b>40,40</b>
<b>NEU100570</b>	1/4" BSP	Talla A	<b>40,48</b>
<b>NEU100575</b>	3/8" BSP	-	<b>46,29</b>
<b>NEU100578</b>	1/2" BSP	-	<b>52,63</b>

\* Hasta fin de existencias / \* Until end of stock / \* Jusqu'à fin du stock

## Válvulas con acc. palanca - 5/3 C.A. monoestable



Lever - pilot-spring 5/3 O.C. mono-stable  
Vannes avec actionnement levier - 5/3 C.O. mono-stables

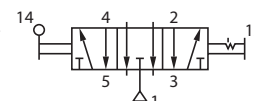


Part nº Referencia	THREAD ROSCA	€
<b>NEU100550</b>	1/8" BSP	<b>36,60</b>
<b>NEU100555</b>	1/4" BSP	<b>45,25</b>
<b>NEU100560</b>	3/8" BSP	<b>45,25</b>
<b>NEU100563</b>	1/2" BSP	<b>52,48</b>

## Válvulas con acc. palanca - 5/3 C.A. biestable



Lever - 3 stable positions 5/3 O.C. bi-stable  
Vannes avec actionnement levier - 5/3 C.O. bi-stables



Part nº Referencia	THREAD ROSCA	€
<b>NEU100580</b>	1/8" BSP	<b>36,60</b>
<b>NEU100585</b>	1/4" BSP	<b>45,25</b>
<b>NEU100590</b>	3/8" BSP	<b>45,25</b>
<b>NEU100593</b>	1/2" BSP	<b>52,55</b>

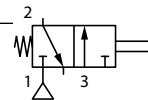
# Válvulas de maniobra

Maneuvering valves  
Valves de manoeuvre



## Válvulas pulsador raso 3/2 NC

Shrouded push button 3/2 NC  
Vannes à poussoir court 3/2 NF



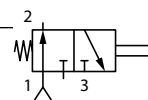
Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100260</b>	1/8" BSP	3/2 N.C. ROJO	<b>16,29</b>
<b>NEU100265 *</b>	1/8" BSP	3/2 N.C. NEGRO	<b>100,77</b>

Hasta fin de existencias / Until end of stock / Jusqu'à fin du stock



## Válvulas pulsador raso 3/2 NA

Shrouded push button 3/2 NO  
Vannes à poussoir court 3/2 NO



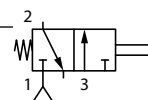
Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100270</b>	1/8" BSP	3/2 N.A. ROJO	<b>21,17</b>
<b>NEU100275 *</b>	1/8" BSP	3/2 N.A. NEGRO	<b>111,20</b>

Hasta fin de existencias / Until end of stock / Jusqu'à fin du stock



## Válvulas pulsador raso 3/2 NC

Shrouded push button 3/2 NC  
Vannes à poussoir court 3/2 NF



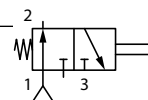
Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100280</b>	1/8" BSP	3/2 N.C. ROJO	<b>22,64</b>
<b>NEU100285 *</b>	1/8" BSP	3/2 N.C. NEGRO	<b>100,77</b>

Hasta fin de existencias / Until end of stock / Jusqu'à fin du stock



## Válvulas pulsador raso 3/2 NA

Shrouded push button 3/2 NO  
Vannes à poussoir court 3/2 NO



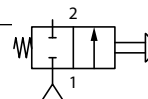
Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100290</b>	1/8" BSP	3/2 N.A. ROJO	<b>29,40</b>
<b>NEU100295 *</b>	1/8" BSP	3/2 N.A. NEGRO	<b>111,20</b>

Hasta fin de existencias / Until end of stock / Jusqu'à fin du stock



## Válvulas pulsador normal 2/2 NC

Push button 2/2 NC  
Vannes à poussoir normal 2/2 NF



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100300</b>	1/8" BSP	2/2 N.C.	<b>16,29</b>

# Válvulas de maniobra

Maneuvering valves  
Valves de manoeuvre

Compressed air  
treatment

Control Valves

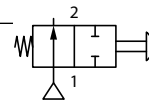
Low pressure valves

Pneumatic cylinders



## Válvulas pulsador normal 2/2 NA

Push button 2/2 NO  
Vannes à poussoir normal 2/2 NO

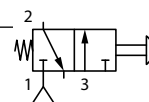


Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100305</b>	1/8" BSP	2/2 N.A.	<b>21,17</b>



## Válvulas pulsador normal 3/2 NC

Push button 3/2 NC  
Vannes à poussoir normal 3/2 NF

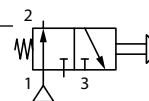


Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100310</b>	1/4" BSP	3/2 N.C.	<b>22,64</b>



## Válvulas pulsador normal 3/2 NA

Push button 3/2 NO  
Vannes à poussoir normal 3/2 NO

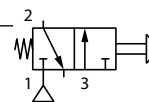


Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100315</b>	1/4" BSP	3/2 N.A.	<b>29,40</b>



## Válvulas pulsador emergencia 3/2 NC

Head push button 3/2 NC  
Vannes à poussoir d'urgence 3/2 NF

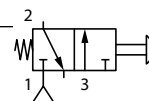


Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100320</b>	1/8" BSP	3/2 N.C. ROJO	<b>13,78</b>



## Válvulas pulsador emergencia 3/2 NC Biestable

Head push button 3/2 NC Bi-stable  
Vannes à poussoir d'urgence 3/2 NF Bi-stable



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100330</b>	1/8" BSP	3/2 N.C. ROJO	<b>19,16</b>

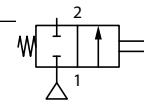
# Válvulas de maniobra

Maneuvering valves  
Valves de manoeuvre



## Válvulas tetón 2/2 Monoestable

Pin valve 2/2 Monostable  
Vanne fin de course 2/2 Mono-stable

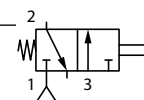


Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100400 *</b>	1/8" BSP	2/2 Monoestable NC	<b>45,71</b>



## Válvulas tetón 3/2 Monoestable NC

Pin valve 3/2 Monostable NC  
Vanne fin de course 3/2 Mono-stable NF

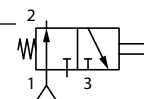


Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100415 *</b>	1/2" BSP	3/2 Monoestable N.C.	<b>112,53</b>



## Válvulas tetón 3/2 Monoestable NA

Pin valve 3/2 Monostable NO  
Vanne fin de course 3/2 Mono-stable NO

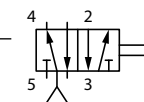


Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100430 *</b>	1/2" BSP	3/2 Monoestable N.A.	<b>120,82</b>



## Válvulas tetón 5/2 Biestable

Pin valve 5/2 Bi-stable  
Vanne fin de course 5/2 Bi-stable

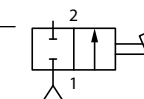


Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100435 *</b>	1/8" BSP	5/2 Biestable	<b>96,50</b>
<b>NEU100440 *</b>	1/4" BSP	5/2 Biestable	<b>133,92</b>



## Válvulas selectoras palanca giratoria 2/2 Biestable

Selector valves rotating lever 2/2 Bi-stable  
Vannes sélectrices à levier tournant 2/2 Bi-stable



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100340</b>	1/8" BSP	3/2 Biestable	<b>13,78</b>

# Válvulas de maniobra

Maneuvering valves  
Valves de manoeuvre

Compressed air  
treatment

Control Valves

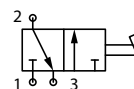
Low pressure valves

Pneumatic cylinders



## Válvulas selectoras palanca giratoria 3/2 Bi-stable

Selector valves rotating lever 3/2 Bi-stable  
Vannes sélectrices à levier tournant 3/2 Bi-stable

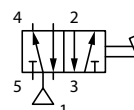


Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100345</b>	1/8" BSP	3/2 Bi-stable	<b>24,87</b>



## Válvulas selectoras palanca giratoria 5/2 Bi-stable

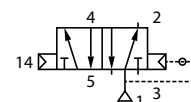
Selector valves rotating lever 5/2 Bi-stable  
Vannes sélectrices à levier tournant 5/2 Bi-stable



Part nº Referencia	THREAD ROSCA	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100350</b>	1/8" BSP	5/2 Bi-stable	<b>19,98</b>

## Válvulas con acc. neumático - 5/2 monoestable BSP

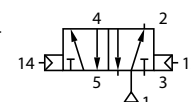
Pneumatically actuated - pilot spring  
Vannes avec actionnement pneum. mono-stable



Part nº Referencia	THREAD ROSCA	€
<b>NEU100000</b>	1/8"	<b>20,97</b>
<b>NEU100005</b>	1/4"	<b>19,95</b>
<b>NEU100010</b>	3/8"	<b>24,45</b>
<b>NEU100015</b>	1/2"	<b>39,28</b>

## Válvulas con acc. neumático - 5/2 biestable BSP

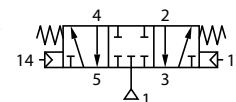
Pneumatically actuated - double pilot  
Vannes avec actionnement pneum. bi-stable



Part nº Referencia	THREAD ROSCA	€
<b>NEU100020</b>	1/8"	<b>34,02</b>
<b>NEU100025</b>	1/4"	<b>28,96</b>
<b>NEU100030</b>	3/8"	<b>34,36</b>
<b>NEU100035</b>	1/2"	<b>56,15</b>

## Válvulas con acc. neumático - 5/3 C.C. BSP

Pneumatically actuated - C.C.  
Vannes avec actionnement pneum. centre fermé



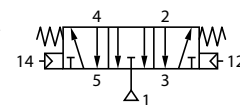
Part nº Referencia	THREAD ROSCA	€
<b>NEU100040</b>	1/8"	<b>71,31</b>
<b>NEU100045</b>	1/4"	<b>59,36</b>
<b>NEU100050</b>	1/2"	<b>80,12</b>

## Válvulas de maniobra

*Maneuvering valves*  
Valves de manoeuvre

### Válvulas con acc. neumático - 5/3 C.A. BSP

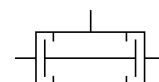
*Pneumatically actuated - C.E.*  
Vannes avec actionnement pneum. centre ouvert



Part nº Referencia	THREAD ROSCA	€
<b>NEU100055</b>	1/8"	<b>78,42</b>
<b>NEU100060</b>	1/4"	<b>61,82</b>
<b>NEU100065</b>	1/2"	<b>88,12</b>

### Válvula de paso corredera 3 vías BSP

*Sleeve valves*  
Vannes de passage tiroir 3 voies



Part nº Referencia	THREAD ROSCA	€
<b>6060 1/8</b>	1/8"	<b>19,51</b>
<b>6060 1/4</b>	1/4"	<b>24,22</b>
<b>6060 3/8</b>	3/8"	<b>28,75</b>
<b>6060 1/2</b>	1/2"	<b>39,19</b>

### Grifo purga BSP

*Drain cock*  
Robinet de purge



Part nº Referencia	THREAD ROSCA	€
<b>16A 1/2</b>	1/2"	<b>5,02</b>
<b>16A 1/4</b>	1/4"	<b>3,93</b>
<b>16A 1/8</b>	1/8"	<b>3,54</b>
<b>16A 3/8</b>	3/8"	<b>4,12</b>

## Otras aplicaciones finales

*Other final applications*  
Autres applications finales

### Pistolas

*Guns*  
Pistolets



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>ESTO 600B</b>	Botón	<b>54,41</b>
<b>ESTO 610G</b>	Gatillo	<b>58,14</b>
<b>ESTO 620</b>	Agua presión	<b>164,68</b>
<b>ESTO 630</b>	Alargadera Pistola sopladora	<b>20,42</b>
<b>ESTO 640</b>	Aspiradora - Sopladora	<b>299,50</b>
<b>ESTO E640</b>	Alargadera Pistola Aspiradora	<b>12,57</b>



# Válvulas de maniobra

Maneuvering valves  
Valves de manoeuvre

## Silenciador bronce largo BSP



*Nickel-plated brass silencer (long)*  
Silencieux en bronze long

Part nº Referencia	THREAD ROSCA	€
<b>SE 1/8</b>	1/8"	<b>0,65</b>
<b>SE 1/4</b>	1/4"	<b>3,83</b>
<b>SE 3/8</b>	3/8"	<b>6,80</b>
<b>SE 1/2</b>	1/2"	<b>8,88</b>

## Silenciador bronce corto BSP



*Nickel-plated brass silencer (short)*  
Silencieux en bronze court

Part nº Referencia	THREAD ROSCA	€
<b>SCQ 1/8</b>	1/8"	<b>2,23</b>
<b>SCQ 1/4</b>	1/4"	<b>3,26</b>
<b>SCQ 3/8</b>	3/8"	<b>5,93</b>
<b>SCQ 1/2</b>	1/2"	<b>8,72</b>

## Silenciador acero BSP



*Steel silencer*  
Silencieux acier

Part nº Referencia	THREAD ROSCA	€
<b>SFE 1/8</b>	1/8"	<b>1,33</b>
<b>SFE 1/4</b>	1/4"	<b>1,49</b>
<b>SFE 3/8</b>	3/8"	<b>1,18</b>
<b>SFE 1/2</b>	1/2"	<b>1,54</b>

## Silenciador regulable BSP



*Regulator silencer*  
Silencieux

Part nº Referencia	THREAD ROSCA	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>SVE 1/8</b>	1/8"	12	<b>5,33</b>
<b>SVE 1/4</b>	1/4"	12	<b>5,71</b>
<b>SVE 3/8</b>	3/8"	12	<b>9,81</b>
<b>SVE 1/2</b>	1/2"	12	<b>10,22</b>

## Nebulizador



*Nebulizer*  
Nébuliseur

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>NEU100500 *</b>	Rectangular	<b>163,32</b>
<b>NEU100501</b>	Cuadrado	<b>65,95</b>

## Válvula accesorial

Accesorial valve  
Valve accessorielle

### Válvula bola mini H-H BSP



*Ball valve female - female*  
Robinet mini femelle-femelle

Part nº Referencia	THREAD ROSCA	€
<b>6300 1/8</b>	1/8"	<b>10,62</b>
<b>6300 1/4</b>	1/4"	<b>11,08</b>
<b>6300 3/8</b>	3/8"	<b>11,58</b>
<b>6300 1/2</b>	1/2"	<b>15,41</b>

### Válvula bola mini M-H BSP



*Ball valve male - female*  
Robinet mini mâle-femelle

Part nº Referencia	THREAD ROSCA	€
<b>6310 1/8</b>	1/8"	<b>10,62</b>
<b>6310 1/4</b>	1/4"	<b>11,08</b>
<b>6310 3/8</b>	3/8"	<b>11,46</b>
<b>6310 1/2</b>	1/2"	<b>15,32</b>

### Válvula bola mini hexagonal H-H BSP



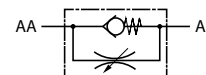
*Mini ball valve female - female*  
Robinet mini hexagonal femelle-femelle

Part nº Referencia	THREAD ROSCA	€
<b>6065 1/8</b>	1/8"	<b>9,32</b>
<b>6065 1/4</b>	1/4"	<b>9,32</b>
<b>6065 3/8</b>	3/8"	<b>8,94</b>
<b>6065 1/2</b>	1/2"	<b>11,28</b>

### Regulador flujo unidireccional BSP



*Uni-directional flow regulator*  
Régulateurs de débit unidirectionnels



Part nº Referencia	THREAD ROSCA	€
<b>8850 1/8</b>	1/8"	<b>17,35</b>
<b>8850 1/4</b>	1/4"	<b>23,13</b>
<b>8850 3/8</b>	3/8"	<b>46,81</b>
<b>8850 1/2</b>	1/2"	<b>51,25</b>

### Regulador flujo bidireccional BSP



*Bi-directional flow regulator*  
Régulateurs de débit bidirectionnels



Part nº Referencia	THREAD ROSCA	€
<b>8860 1/8</b>	1/8"	<b>17,35</b>
<b>8860 1/4</b>	1/4"	<b>23,13</b>
<b>8860 3/8</b>	3/8"	<b>46,81</b>
<b>8860 1/2</b>	1/2"	<b>51,25</b>

# Válvula accesorial

Accesorial valve  
Valve accessoirelle

Compressed air  
treatment

Control Valves

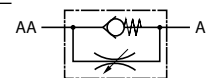
Low pressure valves

Pneumatic cylinders

## Regulador flujo cilíndrico rápido BSP



Quick flow regulator for cylinder  
Régulateurs de débit rapides cylindriques

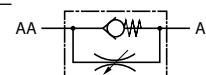


Part nº Referencia	PIPE TUBO	THREAD ROSCA	€
<b>8965 6/4 1/8</b>	6/4 mm	1/8"	<b>18,58</b>
<b>8965 6/4 1/4</b>	6/4 mm	1/4"	<b>20,90</b>
<b>8965 8/6 1/8</b>	8/6 mm	1/8"	<b>18,58</b>
<b>8965 8/6 1/4</b>	8/6 mm	1/4"	<b>20,90</b>
<b>8965 8/6 3/8</b>	8/6 mm	3/8"	<b>30,44</b>
<b>8965 10/8 1/4</b>	10/8 mm	1/4"	<b>21,50</b>
<b>8965 10/8 3/8</b>	10/8 mm	3/8"	<b>30,60</b>
<b>8965 12/10 3/8</b>	12/10 mm	3/8"	<b>31,47</b>
<b>8965 12/10 1/2</b>	12/10 mm	1/2"	<b>39,57</b>

## Regulador flujo cilíndrico BSP



Flow regulator for cylinder  
Régulateurs de débit cylindriques

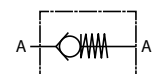


Part nº Referencia	PIPE TUBO	THREAD ROSCA	€
<b>8953 6 1/8</b>	6 mm	1/8"	<b>21,16</b>
<b>8953 6 1/4</b>	6 mm	1/4"	<b>22,91</b>
<b>8953 8 1/8</b>	8 mm	1/8"	<b>21,16</b>
<b>8953 8 1/4</b>	8 mm	1/4"	<b>22,91</b>
<b>8953 8 3/8</b>	8 mm	3/8"	<b>34,10</b>
<b>8953 10 1/4</b>	10 mm	1/4"	<b>23,60</b>
<b>8953 10 3/8</b>	10 mm	3/8"	<b>34,77</b>
<b>8953 12 3/8</b>	12 mm	3/8"	<b>34,77</b>
<b>8953 12 1/2</b>	12 mm	1/2"	<b>44,54</b>

## Antirretorno H-H BSP



Non-return valve female-female  
Antiretour femelle-femelle

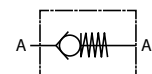


Part nº Referencia	THREAD ROSCA	€
<b>6062 1/8</b>	1/8"	<b>10,91</b>
<b>6062 1/4</b>	1/4"	<b>13,49</b>
<b>6062 3/8</b>	3/8"	<b>29,40</b>
<b>6062 1/2</b>	1/2"	<b>30,22</b>

## Válvula retención con membrana BSP



Retention valve with membrane  
Vanne de retention avec membrane



Part nº Referencia	THREAD ROSCA	€
<b>6036 3/8</b>	3/8"	<b>11,46</b>
<b>6036 1/2</b>	1/2"	<b>11,53</b>
<b>6036 3/4</b>	3/4"	<b>16,26</b>
<b>6036 1</b>	1"	<b>21,10</b>

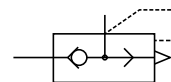
## Válvula accesorial

Accesorial valve  
Valve accessoirelle

### Válvula de escape rápido BSP



Quick exhaust valves  
Vannes d'échappement rapide

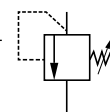


Part nº Referencia	THREAD ROSCA	€
<b>6050 1/8</b>	1/8"	<b>13,27</b>
<b>6050 1/4</b>	1/4"	<b>15,34</b>
<b>6050 3/8</b>	3/8"	<b>19,22</b>
<b>6050 1/2</b>	1/2"	<b>27,52</b>

### Válvula seguridad regulable BSP



Adjustable relief valve  
Vannes de sécurité réglable

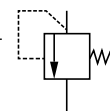


Part nº Referencia	THREAD ROSCA	PRESSURE (Bar) TARAJE (BAR)	€
<b>VS 1/8 8-12</b>	1/8"	8 - 12	<b>9,28</b>
<b>VS 1/8 13-16</b>	1/8"	13 - 16	<b>9,28</b>
<b>VS 1/4 8-12</b>	1/4"	8 - 12	<b>10,53</b>
<b>VS 1/4 13-16</b>	1/4"	13 - 16	<b>10,53</b>
<b>VS 3/8 8-12</b>	3/8"	8 - 12	<b>16,15</b>
<b>VS 3/8 13-16</b>	3/8"	13 - 16	<b>16,15</b>
<b>VS 1/2 0.5-5</b>	1/2"	0,5 - 5	<b>20,41</b>
<b>VS 1/2 8-12</b>	1/2"	8 - 12	<b>20,41</b>
<b>VS 1/2 13-16</b>	1/2"	13 - 16	<b>20,41</b>
<b>VS 3/4 8-12</b>	3/4"	8 - 12	<b>63,63</b>
<b>VS 3/4 13-16</b>	3/4"	13 - 16	<b>63,63</b>
<b>VS 1 8-12</b>	1"	8 - 12	<b>73,42</b>
<b>VS 1 13-16</b>	1"	13 - 16	<b>73,42</b>

### Válvula seguridad taraje fijo BSP



Relief valve  
Vannes de sécurité - tarage fixe



Part nº Referencia	THREAD ROSCA	PRESSURE (Bar) TARAJE (BAR)	DIAMETER (mm) DIÁMETRO (mm)	€
<b>VSN 1/8 8</b>	1/8"	8	6 mm	<b>20,00</b>
<b>VSN 1/8 10</b>	1/8"	10	6 mm	<b>20,00</b>
<b>VSN 1/8 12</b>	1/8"	12	6 mm	<b>20,00</b>
<b>VSN 1/8 15</b>	1/8"	15	6 mm	<b>20,00</b>
<b>VSN 1/4 8</b>	1/4"	8	6 mm	<b>20,88</b>
<b>VSN 1/4 10</b>	1/4"	10	6 mm	<b>20,88</b>
<b>VSN 1/4 12</b>	1/4"	12	6 mm	<b>20,88</b>
<b>VSN 1/4 15</b>	1/4"	15	6 mm	<b>20,88</b>
<b>VSN 3/8 8</b>	3/8"	8	10 mm	<b>29,31</b>
<b>VSN 3/8 10</b>	3/8"	10	10 mm	<b>29,31</b>
<b>VSN 3/8 12</b>	3/8"	12	10 mm	<b>29,31</b>
<b>VSN 3/8 15</b>	3/8"	15	10 mm	<b>29,31</b>
<b>VSN 1/2 8</b>	1/2"	8	10 mm	<b>36,37</b>
<b>VSN 1/2 10</b>	1/2"	10	10 mm	<b>36,37</b>
<b>VSN 1/2 12</b>	1/2"	12	10 mm	<b>36,37</b>
<b>VSN 1/2 15</b>	1/2"	15	10 mm	<b>36,37</b>
<b>VSN 3/4 8</b>	3/4"	8	15 mm	<b>97,89</b>
<b>VSN 3/4 10</b>	3/4"	10	15 mm	<b>97,89</b>
<b>VSN 3/4 12</b>	3/4"	12	15 mm	<b>97,89</b>
<b>VSN 3/4 15</b>	3/4"	15	15 mm	<b>97,89</b>
<b>VSN 1 8</b>	1"	8	15 mm	<b>122,36</b>
<b>VSN 1 10</b>	1"	10	15 mm	<b>122,36</b>
<b>VSN 1 12</b>	1"	12	15 mm	<b>122,36</b>
<b>VSN 1 15</b>	1"	15	15 mm	<b>122,36</b>

**VER CATÁLOGO DE CONDUCCIONES HIDRÁULICAS Y NEUMÁTICAS /  
SEE OUR HYDRAULIC AND PNEUMATIC CONNECTORS CATALOGUE /  
VOIR NOTRE CATALOGUE DE CONNECTIQUE HYDRAULIQUE ET PNEUMATIQUE**

**TUBERÍAS Y ESPIRALES**

Pipes and springs  
Tubes et serpentines



**RACORES NEUMÁTICOS**

Pneumatic Fittings  
Raccords pneumatiques



**ENCHUFES RÁPIDOS NEUMÁTICOS**

Quick release couplings  
Coupleurs pneumatiques



# Válvulas de corte

*Low pressure valves*

Valves à clapet

## **Válvulas de corte**

*Low pressure valves*  
Valves à clapet

**334**

## **Accesorios**

*Accessories*  
Accessoires

**335**



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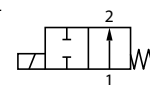
## Válvulas de corte

Low pressure valves  
Vannes à clapet

### Válvula corte baja presión NA sin bobina BSP



Low pressure valve NO without coil and connector  
Vanne à clapet basse pression NO sans bobine

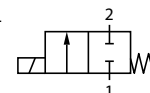


Part nº Referencia	THREAD ROSCA	MÍN. PRESS. (bar) PRESIÓN MÍN. (bar)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>VCBP14NA</b>	1/4"	0	16 (VAC) / 10 (VDC)	<b>44,08</b>
<b>VCBP38NA</b>	3/8"	0,5	16 (VAC) / 10 (VDC)	<b>89,23</b>
<b>VCBP12NA</b>	1/2"	0,5	16 (VAC) / 10 (VDC)	<b>89,23</b>
<b>VCBP34NA</b>	3/4"	0,5	12 (VAC) / 10 (VDC)	<b>102,09</b>
<b>VCBP1NA</b>	1"	0,5	12 (VAC) / 18 (VDC)	<b>134,32</b>
<b>VCBP114NA</b>	1"1/4"	0,5	10 (VAC) / 10 (VDC)	<b>246,52</b>
<b>VCBP112NA</b>	1"1/2"	0,5	10 (VAC) / 10 (VDC)	<b>266,02</b>
<b>VCBP2NA</b>	2"	0,5	10 (VAC) / 10 (VDC)	<b>632,55</b>

### Válvula corte baja presión NC sin bobina BSP



Low pressure valve NC without coil and connector  
Vanne à clapet basse pression NF sans bobine

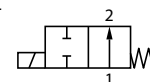


Part nº Referencia	THREAD ROSCA	MÍN. PRESS. (bar) PRESIÓN MÍN. (bar)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>VCBP14NC</b>	1/4"	0	18 (VAC) / 16 (VDC)	<b>40,60</b>
<b>VCBP38NC</b>	3/8"	0,5	18 (VAC) / 16 (VDC)	<b>48,57</b>
<b>VCBP12NC</b>	1/2"	0,5	18 (VAC) / 16 (VDC)	<b>48,57</b>
<b>VCBP34NC</b>	3/4"	0,5	16 (VAC) / 13 (VDC)	<b>57,48</b>
<b>VCBP1NC</b>	1"	0,5	12 (VAC) / 10 (VDC)	<b>100,15</b>
<b>VCBP114NC</b>	1"1/4"	0,5	10 (VAC) / 10 (VDC)	<b>221,13</b>
<b>VCBP112NC</b>	1"1/2"	0,5	10 (VAC) / 10 (VDC)	<b>221,13</b>
<b>VCBP2NC</b>	2"	0,5	10 (VAC) / 10 (VDC)	<b>350,02</b>

### Válvulas corte baja presión NA (sin bob.) INOX BSP



S.S. Low pressure valve NO (without coil and connector)  
Vanne à clapet basse pression NO (sans bobine) INOX

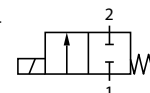


Part nº Referencia	THREAD ROSCA	MÍN. PRESS. (bar) PRESIÓN MÍN. (bar)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>Z VCBP14NA</b>	1/4"	0	16 (VAC) / 10 (VDC)	<b>68,46</b>
<b>Z VCBP38NA</b>	3/8"	0,5	16 (VAC) / 10 (VDC)	<b>144,70</b>
<b>Z VCBP12NA</b>	1/2"	0,5	16 (VAC) / 10 (VDC)	<b>144,70</b>

### Válvulas corte baja presión NC (sin bob.) INOX BSP



S.S. Low pressure valve NC (without coil and connector)  
Vanne à clapet basse pression NF (sans bobine) INOX



Part nº Referencia	THREAD ROSCA	MÍN. PRESS. (bar) PRESIÓN MÍN. (bar)	MAX. PRESSURE (bar) PRESIÓN MAX. (bar)	€
<b>Z VCBP14NC</b>	1/4"	0	18 (VAC) / 16 (VDC)	<b>88,96</b>
<b>Z VCBP38NC</b>	3/8"	0,5	18 (VAC) / 16 (VDC)	<b>86,28</b>
<b>Z VCBP12NC</b>	1/2"	0,5	18 (VAC) / 16 (VDC)	<b>86,28</b>



# Accesorios

Accessories  
Accessoires

Compressed air  
treatment

Control Valves

Low pressure valves

Pneumatic cylinders

## Bobinas válvula corte



Coils  
Bobines

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>C-12CC NC</b>	Bobina 12 VDC NC	<b>26,80</b>
<b>C-24CC NC</b>	Bobina 24 VDC NC	<b>26,80</b>
<b>C-220CA NC</b>	Bobina 220 VAC NC	<b>26,80</b>
<b>C-24CA NC</b>	Bobina 24 VAC NC	<b>26,80</b>
<b>C-110CA NC</b>	Bobina 110 VAC NC	<b>26,80</b>
<b>C-12CC NA</b>	Bobina 12 VDC NA	<b>37,51</b>
<b>C-24CC NA</b>	Bobina 24 VDC NA	<b>37,51</b>
<b>C-220CA NA</b>	Bobina 220 VAC NA	<b>37,51</b>
<b>C-24CA NA</b>	Bobina 24 VAC NA	<b>37,51</b>
<b>C-110CA NA</b>	Bobina 110 VAC NA	<b>37,51</b>

## Conectores válvula corte



Connectors  
Connecteurs

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>CONC1</b>	Conector CC/CA para bobina mini	<b>2,21</b>
<b>CONC3</b>	Conector CC/CA para bobina grande	<b>2,81</b>

## Accesorios



Accessories  
Accessoires

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>MEMBRANAZVCBP14</b>	Para Z VCBP14NA/Z VCBP14NC	<b>12,39</b>
<b>MEMBRANAZVCBP38</b>	Para Z VCBP38NA/Z VCBP38NC	<b>12,39</b>
<b>MEMBRANAZVCBP12</b>	Para Z VCBP12NA/Z VCBP12NC	<b>13,04</b>
<b>MEMBRANAVCBP14</b>	Para VCBP14NA/VCBP14NC	<b>4,96</b>
<b>MEMBRANAVCBP38</b>	Para VCBP38NA/VCBP38NC	<b>4,96</b>
<b>MEMBRANAVCBP12</b>	Para VCBP12NA/VCBP12NC	<b>5,22</b>
<b>MEMBRANAVCBP34</b>	Para VCBP34NA/VCBP34NC	<b>6,52</b>
<b>MEMBRANAVCBP1</b>	Para VCBP1NA/VCBP1NC	<b>7,82</b>

# Cilindros neumáticos

*Pneumatic cylinders*

Vérins pneumatiques

## **Cilindros neumáticos y accesorios ISO 15552**

*Pneumatic cylinders and accessories ISO 15552*  
Vérins pneumatiques et accessoires ISO 15552

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## **Microcilindros neumáticos y accesorios ISO 6432**

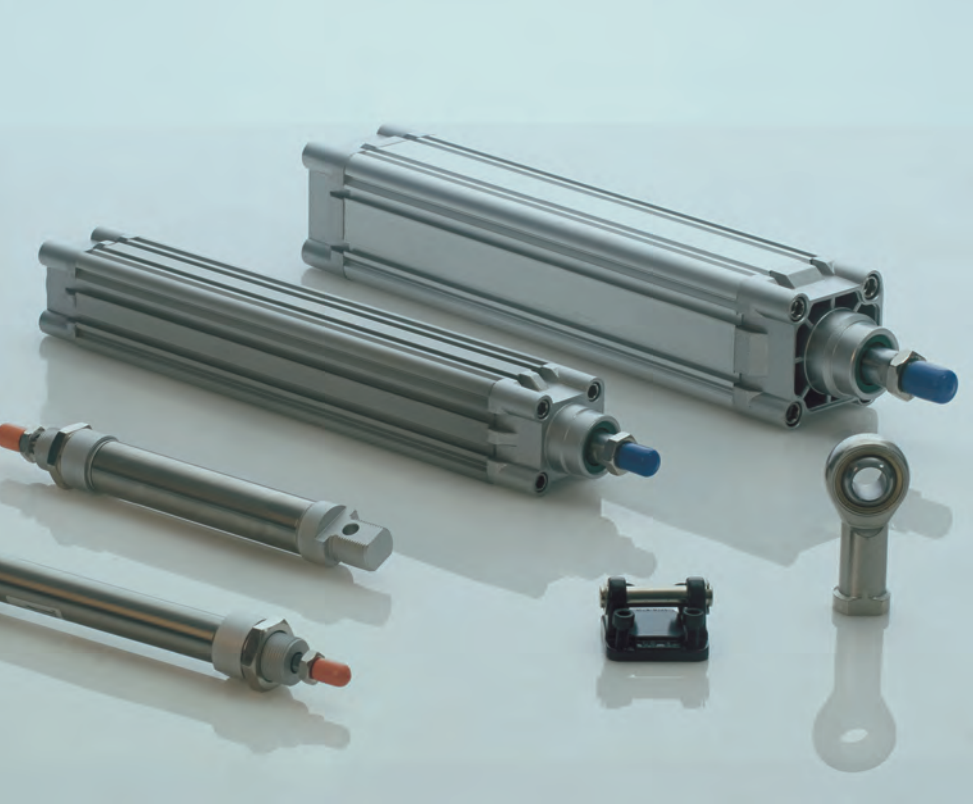
*Pneumatic micro-cylinders and accessories ISO 6432*  
Micro-vérins pneumatiques et accessoires ISO 6432

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## **Cilindros neumáticos doble eje**

*Double shaft pneumatic cylinders*  
Vérins pneumatiques double axe

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# CILINDROS NEUMÁTICOS Y ACCESORIOS

## MAGNETIC PNEUMATIC CYLINDERS AND ACCESSORIES



DOBLE EFECTO · *DOUBLE ACTING*



DOBLE EFECTO · *DOUBLE ACTING* Ø200

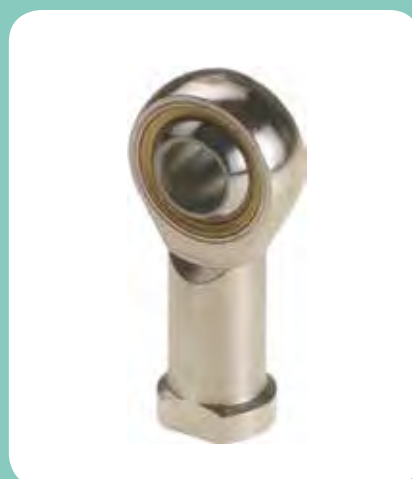
### ACCESORIOS · ACCESSORIES



CHCN



HCN



RCN



PCN



CCCN

# Cilindros neumáticos y accesorios ISO 15552

Pneumatic cylinders and accessories ISO 15552

Vérins pneumatiques et accessoires ISO 15552

Compressed air treatment

Control Valves

Low pressure valves

Pneumatic cylinders

## Cilindros D.E. magnéticos ISO 15552 Ø32

Pneumatic cylinders D.A. ISO 15552 Ø32

Vérins pneumatiques D.E. magnétiques-ISO 15552 Ø32



Part nº Referencia	STROKE (mm) CARRERA (mm)	THREAD ROSCA		€
<b>CNM0320025</b>	25	M6	1/8" BSP	<b>185,59</b>
<b>CNM0320050</b>	50	M6	1/8" BSP	<b>181,17</b>
<b>CNM0320075</b>	75	M6	1/8" BSP	<b>71,04</b>
<b>CNM0320080</b>	80	M6	1/8" BSP	<b>186,47</b>
<b>CNM0320100</b>	100	M6	1/8" BSP	<b>74,87</b>
<b>CNM0320125</b>	125	M6	1/8" BSP	<b>194,24</b>
<b>CNM0320150</b>	150	M6	1/8" BSP	<b>79,33</b>
<b>CNM0320160</b>	160	M6	1/8" BSP	<b>200,61</b>
<b>CNM0320200</b>	200	M6	1/8" BSP	<b>83,77</b>
<b>CNM0320250</b>	250	M6	1/8" BSP	<b>91,65</b>
<b>CNM0320300</b>	300	M6	1/8" BSP	<b>100,24</b>
<b>CNM0320320</b>	320	M6	1/8" BSP	<b>228,89</b>
<b>CNM0320350</b>	350	M6	1/8" BSP	<b>234,19</b>
<b>CNM0320400</b>	400	M6	1/8" BSP	<b>243,03</b>
<b>CNM0320450</b>	450	M6	1/8" BSP	<b>251,87</b>
<b>CNM0320500</b>	500	M6	1/8" BSP	<b>260,70</b>

## Cilindros D.E. magnéticos ISO 15552 Ø40

Pneumatic cylinders D.A. ISO 15552 Ø40

Vérins pneumatiques D.E. magnétiques-ISO 15552 Ø40



Part nº Referencia	STROKE (mm) CARRERA (mm)	THREAD ROSCA		€
<b>CNM0400025</b>	25	M6	1/4" BSP	<b>195,94</b>
<b>CNM0400050</b>	50	M6	1/4" BSP	<b>202,51</b>
<b>CNM0400075</b>	75	M6	1/4" BSP	<b>82,05</b>
<b>CNM0400080</b>	80	M6	1/4" BSP	<b>207,61</b>
<b>CNM0400100</b>	100	M6	1/4" BSP	<b>97,81</b>
<b>CNM0400125</b>	125	M6	1/4" BSP	<b>217,15</b>
<b>CNM0400150</b>	150	M6	1/4" BSP	<b>92,56</b>
<b>CNM0400160</b>	160	M6	1/4" BSP	<b>224,58</b>
<b>CNM0400200</b>	200	M6	1/4" BSP	<b>116,91</b>
<b>CNM0400250</b>	250	M6	1/4" BSP	<b>113,78</b>
<b>CNM0400300</b>	300	M6	1/4" BSP	<b>124,39</b>
<b>CNM0400320</b>	320	M6	1/4" BSP	<b>258,51</b>
<b>CNM0400350</b>	350	M6	1/4" BSP	<b>264,87</b>
<b>CNM0400400</b>	400	M6	1/4" BSP	<b>275,48</b>
<b>CNM0400450</b>	450	M6	1/4" BSP	<b>286,08</b>
<b>CNM0400500</b>	500	M6	1/4" BSP	<b>296,69</b>

# Cilindros neumáticos y accesorios ISO 15552

Pneumatic cylinders and accessories ISO 15552

Vérins pneumatiques et accessoires ISO 15552

## Cilindros D.E. magnéticos ISO 15552 Ø50

Pneumatic cylinders D.A. ISO 15552 Ø50

Vérins pneumatiques D.E. magnétiques-ISO 15552 Ø50



Part nº Referencia	STROKE (mm) CARRERA (mm)	THREAD ROSCA		€
CNM0500025	25	M8	1/4" BSP	224,65
CNM0500050	50	M8	1/4" BSP	231,72
CNM0500075	75	M8	1/4" BSP	112,47
CNM0500080	80	M8	1/4" BSP	240,20
CNM0500100	100	M8	1/4" BSP	120,52
CNM0500125	125	M8	1/4" BSP	252,93
CNM0500150	150	M8	1/4" BSP	125,61
CNM0500160	160	M8	1/4" BSP	262,83
CNM0500200	200	M8	1/4" BSP	138,74
CNM0500250	250	M8	1/4" BSP	154,66
CNM0500300	300	M8	1/4" BSP	168,10
CNM0500320	320	M8	1/4" BSP	308,04
CNM0500350	350	M8	1/4" BSP	316,56
CNM0500400	400	M8	1/4" BSP	330,70
CNM0500450 *	450	M8	1/4" BSP	342,68
CNM0500500 *	500	M8	1/4" BSP	356,31

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

## Cilindros D.E. magnéticos ISO 15552 Ø63

Pneumatic cylinders D.A. ISO 15552 Ø63

Vérins pneumatiques D.E. magnétiques-ISO 15552 Ø63



Part nº Referencia	STROKE (mm) CARRERA (mm)	THREAD ROSCA		€
CNM0630025	25	M8	3/8" BSP	265,01
CNM0630050	50	M8	3/8" BSP	272,62
CNM0630075	75	M8	3/8" BSP	138,69
CNM0630080	80	M8	3/8" BSP	281,80
CNM0630100	100	M8	3/8" BSP	138,69
CNM0630125	125	M8	3/8" BSP	295,46
CNM0630150	150	M8	3/8" BSP	150,97
CNM0630160	160	M8	3/8" BSP	306,16
CNM0630200	200	M8	3/8" BSP	168,25
CNM0630250	250	M8	3/8" BSP	185,53
CNM0630300	300	M8	3/8" BSP	202,81
CNM0630320	320	M8	3/8" BSP	355,97
CNM0630350	350	M8	3/8" BSP	364,89
CNM0630400	400	M8	3/8" BSP	381,41
CNM0630450	450	M8	3/8" BSP	397,32
CNM0630500	500	M8	3/8" BSP	413,23

# Cilindros neumáticos y accesorios ISO 15552

Pneumatic cylinders and accessories ISO 15552

Vérins pneumatiques et accessoires ISO 15552

Compressed air treatment

Control Valves

Low pressure valves

Pneumatic cylinders

## Cilindros D.E. magnéticos ISO 15552 Ø80

Pneumatic cylinders D.A. ISO 15552 Ø80

Vérins pneumatiques D.E. magnétiques-ISO 15552 Ø80



Part nº Referencia	STROKE (mm) CARRERA (mm)	THREAD ROSCA		€
CNM0800025	25	M10	3/8" BSP	339,88
CNM0800050	50	M10	3/8" BSP	350,51
CNM0800075	75	M10	3/8" BSP	187,50
CNM0800080	80	M10	3/8" BSP	363,29
CNM0800100	100	M10	3/8" BSP	194,93
CNM0800125	125	M10	3/8" BSP	384,61
CNM0800150	150	M10	3/8" BSP	211,75
CNM0800160	160	M10	3/8" BSP	399,45
CNM0800200	200	M10	3/8" BSP	235,95
CNM0800250	250	M10	3/8" BSP	260,21
CNM0800300	300	M10	3/8" BSP	284,46
CNM0800320	320	M10	3/8" BSP	467,75
CNM0800350	350	M10	3/8" BSP	481,16
CNM0800400	400	M10	3/8" BSP	502,62
CNM0800450	450	M10	3/8" BSP	524,17
CNM0800500	500	M10	3/8" BSP	545,70

## Cilindros D.E. magnéticos ISO 15552 Ø100

Pneumatic cylinders D.A. ISO 15552 Ø100

Vérins pneumatiques D.E. magnétiques-ISO 15552 Ø100



Part nº Referencia	STROKE (mm) CARRERA (mm)	€
CNM1000025	25	431,63
CNM1000050	50	444,00
CNM1000250	250	551,17
CNM1000300 *	300	573,63

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

## Cilindros D.E. magnéticos ISO 15552 Ø125

Pneumatic cylinders D.A. ISO 15552 Ø125

Vérins pneumatiques D.E. magnétiques-ISO 15552 Ø125



Part nº Referencia	STROKE (mm) CARRERA (mm)	THREAD ROSCA		€
CNM1250025	25	M12	1/2" BSP	647,37
CNM1250050	50	M12	1/2" BSP	663,08
CNM1250075	75	M12	1/2" BSP	678,96
CNM1250080	80	M12	1/2" BSP	681,95
CNM1250100	100	M12	1/2" BSP	695,14
CNM1250125	125	M12	1/2" BSP	710,94
CNM1250150	150	M12	1/2" BSP	726,73
CNM1250160	160	M12	1/2" BSP	733,39
CNM1250200	200	M12	1/2" BSP	760,06
CNM1250250	250	M12	1/2" BSP	793,96
CNM1250300	300	M12	1/2" BSP	827,88
CNM1250320	320	M12	1/2" BSP	841,77
CNM1250350	350	M12	1/2" BSP	861,76
CNM1250400	400	M12	1/2" BSP	895,61
CNM1250450	450	M12	1/2" BSP	929,47
CNM1250500	500	M12	1/2" BSP	963,41

# Cilindros neumáticos y accesorios ISO 15552

Pneumatic cylinders and accessories ISO 15552

Vérins pneumatiques et accessoires ISO 15552

## Cilindros D.E. magnéticos ISO 15552 Ø160

Pneumatic cylinders D.A. ISO 15552 Ø160

Vérins pneumatiques D.E. magnétiques-ISO 15552 Ø160



Part nº Referencia	STROKE (mm) CARRERA (mm)	€
<b>CNM1600025</b>	25	<b>1.373,20</b>
<b>CNM1600080</b>	80	<b>1.413,98</b>
<b>CNM1600100</b>	100	<b>1.427,58</b>
<b>CNM1600125</b>	125	<b>1.446,61</b>
<b>CNM1600160</b>	160	<b>1.471,09</b>

## Cilindros D.E. magnéticos ISO 15552 Ø200

Pneumatic cylinders D.A. ISO 15552 Ø200

Vérins pneumatiques D.E. magnétiques-ISO 15552 Ø200



Part nº Referencia	STROKE (mm) CARRERA (mm)	€
<b>CNM2000025</b>	25	<b>1.824,58</b>
<b>CNM2000050</b>	50	<b>1.849,06</b>
<b>CNM2000080</b>	80	<b>1.876,25</b>
<b>CNM2000100</b>	100	<b>1.892,56</b>
<b>CNM2000125</b>	125	<b>1.914,32</b>
<b>CNM2000160</b>	160	<b>1.946,95</b>

## Charnela hembra para cilindro ISO 15552

Female pivot in steel ISO 15552

Articulation femelle pour vérin ISO 15552



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>CHCN032</b>	32mm	<b>7,29</b>
<b>CHCN040</b>	40mm	<b>8,07</b>
<b>CHCN050</b>	50mm	<b>11,65</b>
<b>CHCN063</b>	63mm	<b>13,97</b>
<b>CHCN080</b>	80mm	<b>19,72</b>
<b>CHCN100 *</b>	100mm	<b>82,06</b>

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

## Charnela macho para cilindro ISO 15552

Male pivot in steel ISO 15552

Articulation mâle pour vérins ISO 15552



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>CMCN032</b>	32mm	<b>7,47</b>
<b>CMCN040</b>	40mm	<b>8,38</b>
<b>CMCN050</b>	50mm	<b>10,37</b>
<b>CMCN063</b>	63mm	<b>13,11</b>
<b>CMCN080</b>	80mm	<b>18,75</b>
<b>CMCN100</b>	100mm	<b>81,26</b>
<b>CMCN125</b>	125mm	<b>144,32</b>



# Cilindros neumáticos y accesorios ISO 15552

Pneumatic cylinders and accessories ISO 15552

Vérins pneumatiques et accessoires ISO 15552

## Contra charnela para cilindro ISO 15552



Right angles joint in steel ISO 15552  
Contre-chape pour vérins ISO 15552

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>CCCN032</b>	32mm	<b>10,11</b>
<b>CCCN040</b>	40mm	<b>12,77</b>
<b>CCCN050</b>	50mm	<b>17,55</b>
<b>CCCN063</b>	63mm	<b>22,32</b>
<b>CCCN080</b>	80mm	<b>32,91</b>
<b>CCCN100 *</b>	100mm	<b>117,61</b>
<b>CCCN125 *</b>	125mm	<b>157,71</b>

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

## Brida para cilindro ISO 15552



Front or rear flange in zinc-plated steel ISO 15552  
Flasque pour vérins ISO 15552

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>BCN032</b>	32mm	<b>12,14</b>
<b>BCN040</b>	40mm	<b>13,33</b>
<b>BCN050</b>	50mm	<b>19,44</b>
<b>BCN063</b>	63mm	<b>23,09</b>
<b>BCN080</b>	80mm	<b>36,42</b>
<b>BCN125 *</b>	125mm	<b>280,67</b>

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

## Pata para cilindro ISO 15552



Foot mounting in zinc-plated steel ISO 15552  
Pied pour vérins ISO 15552

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>PCN032</b>	32mm	<b>4,91</b>
<b>PCN040</b>	40mm	<b>7,30</b>
<b>PCN050</b>	50mm	<b>9,69</b>
<b>PCN063</b>	63mm	<b>14,04</b>
<b>PCN080</b>	80mm	<b>16,28</b>
<b>PCN100</b>	100mm	<b>41,85</b>
<b>PCN125</b>	125mm	<b>196,96</b>
<b>PCN160 *</b>	160mm	<b>235,22</b>

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

# Cilindros neumáticos y accesorios ISO 15552

Pneumatic cylinders and accessories ISO 15552  
Vérins pneumatiques et accessoires ISO 15552

## Charnela intermedia para cilindro ISO 15552

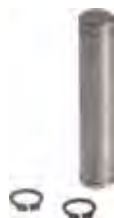


Intermediate pivot ISO 15552  
Tournillon central pour vérins ISO 15552

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>CICN032 *</b>	32mm	<b>110,66</b>
<b>CICN050 *</b>	50mm	<b>141,13</b>
<b>CICN063 *</b>	63mm	<b>187,91</b>
<b>CICN080 *</b>	80mm	<b>214,64</b>
<b>CICN100 *</b>	100mm	<b>288,68</b>
<b>CICN125 *</b>	125mm	<b>502,52</b>

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

## Bulón charnela para cilindro ISO 15552



Pin for pivot ISO 15552  
Boulon d'articulation pour vérin ISO 15552

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>BUCN032 *</b>	32mm	<b>5,88</b>
<b>BUCN040 *</b>	40mm	<b>8,02</b>
<b>BUCN063 *</b>	63mm	<b>11,23</b>
<b>BUCN080 *</b>	80mm	<b>12,03</b>
<b>BUCN100 *</b>	100mm	<b>13,37</b>
<b>BUCN125 *</b>	125mm	<b>17,37</b>
<b>BUCN160 *</b>	160mm	<b>38,76</b>

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

## Horquilla para cilindro ISO 15552



Female rod clevis ISO 15552  
Chape de tige pour vérins ISO 15552

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>HCN032</b>	32mm	<b>6,60</b>
<b>HCN040</b>	40mm	<b>9,05</b>
<b>HCN050</b>	50mm	<b>14,67</b>
<b>HCN063</b>	63mm	<b>14,81</b>
<b>HCN080</b>	80mm	<b>25,66</b>
<b>HCN100 *</b>	100mm	<b>48,92</b>
<b>HCN125</b>	125mm	<b>159,98</b>

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

## Rótula para cilindro ISO 15552



Oscillating eye ISO 15552  
Rotule pour vérin ISO 15552

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>RCN032</b>	32mm	<b>6,09</b>
<b>RCN040</b>	40mm	<b>7,30</b>
<b>RCN050</b>	50mm	<b>11,18</b>
<b>RCN063</b>	63mm	<b>14,60</b>
<b>RCN080</b>	80mm	<b>16,98</b>
<b>RCN100 *</b>	100mm	<b>149,42</b>

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

# Cilindros neumáticos y accesorios ISO 15552

*Pneumatic cylinders and accessories ISO 15552*

Vérins pneumatiques et accessoires ISO 15552

Compressed air treatment

Control Valves

Low pressure valves

Pneumatic cylinders

## Sensores para cilindro ISO 15552

*Sensors for ISO 15552 pivot*

Capteurs pour vérin ISO 15552



Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>SENSORHX31R</b>	Tipo Reed Switch	<b>14,77</b>
<b>SENSORHX31N</b>	Tipo NPN	<b>42,29</b>

# 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

Compressed air treatment

Control Valves

Low pressure valves

Pneumatic cylinders

## Microcilindros D.E. magnéticos ISO 6432 Ø12

Micro-cylinders D.A. ISO 6432 Ø12

Micro-vérins D.E. magnétiques ISO 6432 Ø12



Part nº Referencia	STROKE (mm) CARRERA (mm)	€
<b>MCDM12010</b>	10	<b>79,97</b>
<b>MCDM12025</b>	25	<b>36,99</b>
<b>MCDM12050</b>	50	<b>37,22</b>
<b>MCDM12075</b>	75	<b>40,25</b>
<b>MCDM12100</b>	100	<b>43,44</b>
<b>MCDM12125</b>	125	<b>92,29</b>
<b>MCDM12150</b>	150	<b>49,97</b>
<b>MCDM12200</b>	200	<b>57,16</b>
<b>MCDM12250</b>	250	<b>63,61</b>
<b>MCDM12300</b>	300	<b>67,88</b>
<b>MCDM12350</b>	350	<b>79,80</b>
<b>MCDM12400</b>	400	<b>86,52</b>

## Microcilindros D.E.magnéticos ISO 6432 Ø16

Micro-cylinders D.A. ISO 6432 Ø16

Micro-vérins D.E. magnétiques ISO 6432 Ø16



Part nº Referencia	STROKE (mm) CARRERA (mm)	€
<b>MCDM16010</b>	10	<b>83,98</b>
<b>MCDM16025</b>	25	<b>34,29</b>
<b>MCDM16050</b>	50	<b>36,42</b>
<b>MCDM16075</b>	75	<b>38,25</b>
<b>MCDM16100</b>	100	<b>39,27</b>
<b>MCDM16125</b>	125	<b>95,99</b>
<b>MCDM16150</b>	150	<b>43,67</b>
<b>MCDM16200</b>	200	<b>47,44</b>
<b>MCDM16250</b>	250	<b>55,18</b>
<b>MCDM16300</b>	300	<b>60,13</b>
<b>MCDM16350</b>	350	<b>79,80</b>
<b>MCDM16400</b>	400	<b>86,52</b>

## Microcilindros D.E.magnéticos ISO 6432 Ø20

Micro-cylinders D.A. ISO 6432 Ø20

Micro-vérins D.E. magnétiques ISO 6432 Ø20



Part nº Referencia	STROKE (mm) CARRERA (mm)	€
<b>MCDM20010</b>	10	<b>87,29</b>
<b>MCDM20025</b>	25	<b>34,23</b>
<b>MCDM20050</b>	50	<b>37,55</b>
<b>MCDM20075</b>	75	<b>38,65</b>
<b>MCDM20100</b>	100	<b>41,41</b>
<b>MCDM20125</b>	125	<b>103,28</b>
<b>MCDM20150</b>	150	<b>49,22</b>
<b>MCDM20200</b>	200	<b>56,71</b>
<b>MCDM20250</b>	250	<b>62,25</b>
<b>MCDM20300</b>	300	<b>69,19</b>
<b>MCDM20350</b>	350	<b>83,82</b>
<b>MCDM20400</b>	400	<b>91,62</b>

## Microcilindros neumáticos y accesorios ISO 6432

*Pneumatic micro-cylinders and accessories ISO 6432*

*Micro-vérins pneumatiques et accessoires ISO 6432*

### Microcilindros D.E. magnéticos ISO 6432 Ø25

*Micro-cylinders D.A. ISO 6432 Ø25*

*Micro-vérins D.E. magnétiques ISO 6432 Ø25*



Part nº Referencia	STROKE (mm) CARRERA (mm)	€
<b>MCDM25010</b>	10	<b>97,78</b>
<b>MCDM25025</b>	25	<b>38,65</b>
<b>MCDM25050</b>	50	<b>40,31</b>
<b>MCDM25075</b>	75	<b>40,31</b>
<b>MCDM25100</b>	100	<b>41,96</b>
<b>MCDM25125</b>	125	<b>113,69</b>
<b>MCDM25150</b>	150	<b>51,90</b>
<b>MCDM25200</b>	200	<b>59,08</b>
<b>MCDM25250</b>	250	<b>65,15</b>
<b>MCDM25300</b>	300	<b>71,22</b>
<b>MCDM25350</b>	350	<b>88,37</b>
<b>MCDM25400</b>	400	<b>96,95</b>

### Microcilindros S.E. magnéticos ISO 6432 Ø12

*Micro-cylinders S.A. ISO 6432 Ø12*

*Micro-vérins S.E. magnétiques ISO 6432 Ø12*



Part nº Referencia	STROKE (mm) CARRERA (mm)	€
<b>MCSM12010</b>	10	<b>79,47</b>
<b>MCSM12025</b>	25	<b>45,77</b>
<b>MCSM12050</b>	50	<b>48,39</b>

### Microcilindros S.E. magnéticos ISO 6432 Ø16

*Micro-cylinders S.A. ISO 6432 Ø16*

*Micro-vérins S.E. magnétiques ISO 6432 Ø16*



Part nº Referencia	STROKE (mm) CARRERA (mm)	€
<b>MCSM16010</b>	10	<b>83,62</b>
<b>MCSM16025</b>	25	<b>44,57</b>
<b>MCSM16050</b>	50	<b>47,35</b>
<b>MCSM16075</b>	75	<b>49,72</b>
<b>MCSM16100</b>	100	<b>51,05</b>
<b>MCSM16150</b>	150	<b>56,77</b>

### Microcilindros S.E. magnéticos ISO 6432 Ø20

*Micro-cylinders S.A. ISO 6432 Ø20*

*Micro-vérins S.E. magnétiques ISO 6432 Ø20*



Part nº Referencia	STROKE (mm) CARRERA (mm)	€
<b>MCSM20010</b>	10	<b>86,79</b>
<b>MCSM20025</b>	25	<b>44,50</b>
<b>MCSM20050</b>	50	<b>48,81</b>
<b>MCSM20075</b>	75	<b>50,24</b>
<b>MCSM20100</b>	100	<b>53,83</b>
<b>MCSM20150</b>	150	<b>63,99</b>

# Microcilindros neumáticos y accesorios ISO 6432

Pneumatic micro-cylinders and accessories ISO 6432

Micro-vérins pneumatiques et accessoires ISO 6432

Compressed air treatment

Control Valves

Low pressure valves

Pneumatic cylinders

## Microcilindros S.E. magnéticos ISO 6432 Ø25

Micro-cylinders S.A. ISO 6432 Ø25

Micro-vérins S.E. magnétiques ISO 6432 Ø25



Part nº Referencia	STROKE (mm) CARRERA (mm)	€
<b>MCSM25010</b>	10	<b>97,42</b>
<b>MCSM25025</b>	25	<b>50,24</b>
<b>MCSM25050</b>	50	<b>52,40</b>
<b>MCSM25075</b>	75	<b>52,40</b>
<b>MCSM25100</b>	100	<b>54,55</b>
<b>MCSM25150</b>	150	<b>67,47</b>

## Patas para microcilindro



Foot mounting

Articulation pour micro-vérins

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>PMCN12</b>	12mm	<b>4,91</b>
<b>PMCN16</b>	16mm	<b>4,91</b>
<b>PMCN20</b>	20mm	<b>5,40</b>
<b>PMCN25</b>	25mm	<b>5,36</b>

## Charnelas para microcilindro



Rear pivot mounting

Articulation pour micro-vérins

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>CMCN12</b>	12mm	<b>9,97</b>
<b>CMCN16</b>	16mm	<b>9,97</b>
<b>CMCN20</b>	20mm	<b>9,97</b>
<b>CMCN25</b>	25mm	<b>9,97</b>

## Horquillas para microcilindro



Rod clevis

Chape de tige pour micro-vérins

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>HMCN12</b>	12mm	<b>4,38</b>
<b>HMCN16</b>	16mm	<b>4,42</b>
<b>HMCN20</b>	20mm	<b>5,94</b>
<b>HMCN25</b>	25mm	<b>7,30</b>

## Rótulas para microcilindro



Oscillating clevis

Rotules pour micro-vérins

Part nº Referencia	DESCRIPTION DESCRIPCIÓN	€
<b>RMCN12</b>	12mm	<b>5,37</b>
<b>RMCN16</b>	16mm	<b>5,37</b>
<b>RMCN20</b>	20mm	<b>6,04</b>
<b>RMCN25</b>	25mm	<b>8,10</b>

# Microcilindros neumáticos y accesorios ISO 6432

*Pneumatic micro-cylinders and accessories ISO 6432*

Micro-vérins pneumatiques et accessoires ISO 6432

## Bridas para microcilindro



*Flange mounting*

Flasque pour micro-vérins

Part nº <i>Referencia</i>	DESCRIPTION <i>DESCRIPCIÓN</i>	€
<b>BMCN12</b>	12mm	<b>4,78</b>
<b>BMCN16</b>	16mm	<b>4,78</b>
<b>BMCN20</b>	20mm	<b>6,24</b>
<b>BMCN25</b>	25mm	<b>9,42</b>



# Cilindros neumáticos doble eje

Double shaft pneumatic cylinders  
Vérins pneumatiques double axe

Compressed air treatment

Control Valves

Low pressure valves

Pneumatic cylinders



## Cilindros neumáticos doble efecto, doble eje Ø10

Double shaft, D.A. pneumatic cylinders Ø10  
Vérins pneumatiques D.E. double axe Ø10

Part nº Referencia	STROKE (mm) CARRERA (mm)	€
CNDEM1010	10	92,41
CNDEM1020	20	96,14
CNDEM1025	25	98,40
CNDEM1030	30	100,23
CNDEM1040	40	104,68
CNDEM1050	50	108,05
CNDEM1060	60	115,46
CNDEM1070	70	122,51
CNDEM1075	75	126,59
CNDEM1080	80	130,33
CNDEM1090	90	137,73
CNDEM10100	100	144,78



## Cilindros neumáticos doble efecto, doble eje Ø16

Double shaft, D.A. pneumatic cylinders Ø16  
Vérins pneumatiques D.E. double axe Ø16

Part nº Referencia	STROKE (mm) CARRERA (mm)	€
CNDEM1610	10	97,63
CNDEM1620	20	101,71
CNDEM1625	25	103,96
CNDEM1630	30	105,80
CNDEM1640	40	110,60
CNDEM1650	50	114,33
CNDEM1660	60	122,51
CNDEM1670	70	129,91
CNDEM1675	75	134,00
CNDEM1680	80	138,09
CNDEM1690	90	145,91
CNDEM16100	100	153,67
CNDEM16125	125	172,62
CNDEM16150	150	190,45



## Cilindros neumáticos doble efecto, doble eje Ø20

Double shaft, D.A. pneumatic cylinders Ø20  
Vérins pneumatiques D.E. double axe Ø20

Part nº Referencia	STROKE (mm) CARRERA (mm)	€
CNDEM2010	10	108,41
CNDEM2020	20	116,58
CNDEM2025	25	120,67
CNDEM2030	30	124,34
CNDEM2040	40	132,16
CNDEM2050	50	139,98
CNDEM2060	60	145,91
CNDEM2070	70	151,12
CNDEM2075	75	154,79
CNDEM2080	80	158,17
CNDEM2090	90	163,74
CNDEM20100	100	170,02
CNDEM20125	125	188,20
CNDEM20150	150	204,91

## Cilindros neumáticos doble eje

Double shaft pneumatic cylinders  
Vérins pneumatiques double axe



### Cilindros neumáticos doble efecto, doble eje Ø25

Double shaft, D.A. pneumatic cylinders Ø25  
Vérins pneumatiques D.E. double axe Ø25

Part nº Referencia	STROKE (mm) CARRERA (mm)	€
CNDEM2510	10	118,06
CNDEM2520	20	125,11
CNDEM2525	25	128,43
CNDEM2530	30	132,16
CNDEM2540	40	139,98
CNDEM2550	50	147,03
CNDEM2560	60	154,79
CNDEM2570	70	162,97
CNDEM2575	75	167,05
CNDEM2580	80	170,37
CNDEM2590	90	178,55
CNDEM25100	100	186,37
CNDEM25125	125	210,83
CNDEM25150	150	236,13



### Cilindros neumáticos doble efecto, doble eje Ø32

Double shaft, D.A. pneumatic cylinders Ø32  
Vérins pneumatiques D.E. double axe Ø32

Part nº Referencia	STROKE (mm) CARRERA (mm)	€
CNDEM3210	10	147,39
CNDEM3220	20	158,88
CNDEM3225	25	164,80
CNDEM3230	30	170,37
CNDEM3240	40	182,28
CNDEM3250	50	194,13
CNDEM3260	60	204,91
CNDEM3270	70	212,73
CNDEM3275	75	216,81
CNDEM3280	80	221,26
CNDEM3290	90	230,14
CNDEM32100	100	236,84
CNDEM32125	125	259,11
CNDEM32150	150	279,19

# Condiciones generales de venta

## General conditions of sale

### 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, anularan 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 acuse de recepción de pedido, únicos documentos que nos obligan ante el Cliente.

DICSA 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.

DICSA podrá variar el precio, como consecuencia de cualquier ley que afecte a materiales, salarios o a las horas de trabajo y también a posibles 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. DICSA 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 consentimiento escrito.

### 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.

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.

### 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. DICSA 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. DICSA 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 another 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. DICSA 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.*

*DICSA retains the property of the supplied merchandise until full payment of the agreed price. DICSA 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 be begun 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.*

# Condiciones generales de venta

## General conditions of sale

### PLAZOS DE ENTREGA

DICSA se reserva la facultad de rechazar un pedido en función de la disponibilidad de los productos. En este supuesto, lo comunicará 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 período de tiempo que dure la causa que haya motivado el retraso. Sin embargo, si el período 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.

### RECLAMACIONES. 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 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.

### PORTES

La mercancía se entiende siempre depositada en el domicilio de DICSA, 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.

### 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.

### CLAIMS. 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 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 1<sup>st</sup> additional Disposition (Regulation) of the Law 11/1997, the person responsible for the delivery of

# Condiciones generales de venta

## General conditions of sale

Según se establece en el artículo 18 del Real Decreto 782/1998 para los envases y embalajes acogidos a la Disposición adicional 1ª 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 euros 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.

*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 euros, 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.*



# SALINAS

CAUCHOS Y POLIURETANOS



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