

CATFORD ENGINEERING PRODUCTS

Jamestown
SA 5491

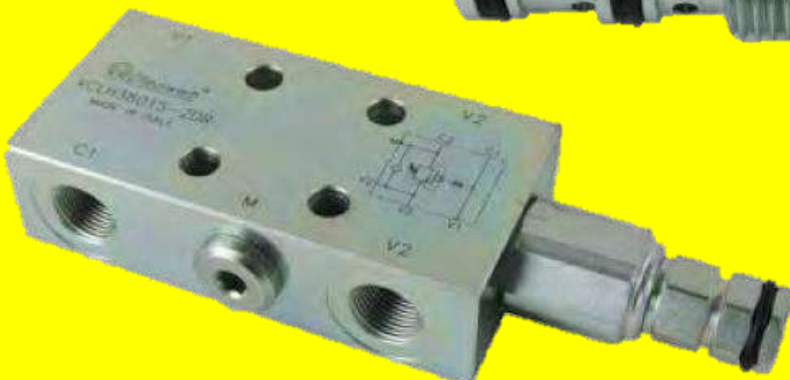
All Prices Excluding GST

Phone: 0418 641 566

www.catford.com.au sales@catford.com.au

Inline & Cartridge Valves

- *Counter Balance
- *Hose Burst
- *Check
- *Needle & Barrel Flow Controls
- *Dividers
- *Relief
- *Sequence
- *Cartridge
- *Unloading
- *Pressure Reducing
- *Rotating Couplings





Lot 25, Mannanarie Road, Jamestown, South Australia 5491



0418 641 566



sales@catford.com.au

Due to fluctuations in the Australian dollar and the economic climate, please be advised that all prices are subject to change.
Please contact us to confirm pricing.

All prices stated within are exclusive of GST
(All prices are correct as of January 1st 2026, but Catford Engineering reserve the right to change these prices without notice)

Inline & Cartridge Valves

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SA 5491
ENGINEERING
PRODUCTS

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INLINE & CARTRIDGE VALVES



Cartridge Counter Balance Valves

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Single Counter Balance Valves

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Dual Counter Balance Valves

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TECH DATA

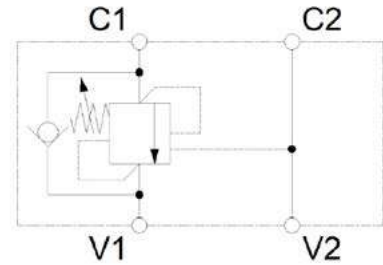
Single Counter Balance Valve Internal Vent T11-A Cartridge Valve

Cartridge counter balance valve | Valve preset at 210 bar

Part #	List Price \$	Ports	Max Pressure	Pressure Range	Max Flow	Pilot Ratio	Piston Seal	Material
OW11AS-013PSBSASTS	433.00	3/4" UNO	210 bar	70-280 bar	60 L/min	3:1	Yes	Aluminium
OW11AS-013PSBSSTST	454.00	3/4" UNO	350 bar	70-280 bar	60 L/min	3:1	Yes	Steel

NEW

OLEOWEB
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TECH DATA

Dual Counter Balance Valve Internal Vent T11-A Cartridge Valve

Cartridge counter balance valve | Valve preset at 210 bar

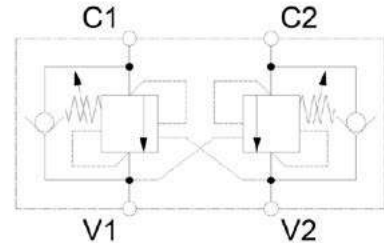
Part #	List Price \$	Ports	Max Pressure	Pressure Range	Max Flow	Pilot Ratio	Piston Seal	Material
OW11AS-013PSADASTS	708.00	3/4" UNO	210 bar	70-280 bar	60 L/min	3:1	Yes	Aluminium
OW11AS-013PSADSSTST	718.00	3/4" UNO	350 bar	70-280 bar	60 L/min	3:1	Yes	Steel

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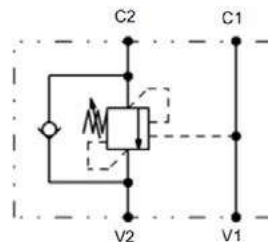
**Cylinder
pipe kits:
see page 30**



TECH DATA

Single Counter Balance Valve Internal Vent (Aluminium)

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
CB40SL01	301.00	1/4" BSPP	100-350 bar	40 L/min	4:1	Aluminium



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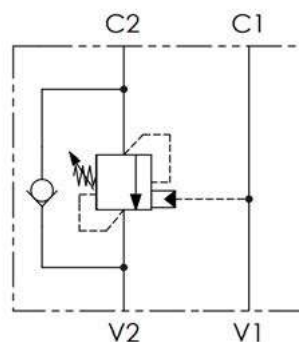
WARNING

Hydraulic cylinders without a hose burst valve, pilot operated check valve or counter balance valve directly mounted to the cylinder will not meet Australian Standard AS1418.8, nor occupational health & safety rules.

**TECH
DATA**

Single Counter Balance Valve Internal Vent

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
VBCL3801S	203.00	3/8" BSPP	30-210 bar	40 L/min	4.25:1	Steel
VBCL3801S3	203.00	3/8" BSPP	30-210 bar	40 L/min	3:1	Steel
VBCL3801S8	203.00	3/8" BSPP	30-210 bar	40 L/min	8.75:1	Steel
VBCL3802S	203.00	3/8" BSPP	60-350 bar	40 L/min	4.25:1	Steel
VBCL3802S8	203.00	3/8" BSPP	60-350 bar	40 L/min	8.75:1	Steel
VBCL1201S	243.00	1/2" BSPP	30-210 bar	60 L/min	4.25:1	Steel
VBCL1201S3	243.00	1/2" BSPP	30-210 bar	60 L/min	3:1	Steel
VBCL1201S8	243.00	1/2" BSPP	30-210 bar	60 L/min	8.75:1	Steel
VBCL1202S	243.00	1/2" BSPP	60-350 bar	60 L/min	4.25:1	Steel
VBCL1202S3	243.00	1/2" BSPP	60-350 bar	60 L/min	3:1	Steel
VBCL1202S8	243.00	1/2" BSPP	60-350 bar	60 L/min	8.75:1	Steel
VBCL3402S	376.00	3/4" BSPP	60-350 bar	120 L/min	6.2:1	Steel

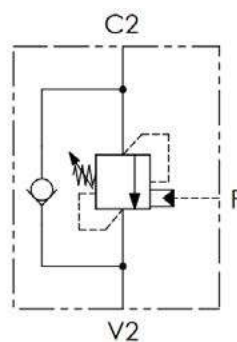


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**TECH
DATA**

Single Counter Balance Valve Internal Vent w/ External Pilot

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
VBCR1401S	233.00	1/4" BSPP	30-210 bar	30 L/min	4.25:1	Steel
VBCR1401S8	243.00	1/4" BSPP	30-210 bar	30 L/min	8.75:1	Steel
VBCR1402S	233.00	1/4" BSPP	60-350 bar	30 L/min	4.25:1	Steel
VBCR1402S8	243.00	1/4" BSPP	60-350 bar	30 L/min	8.75:1	Steel
VBCR3801S	233.00	3/8" BSPP	30-210 bar	40 L/min	4.25:1	Steel
VBCR3801S8	243.00	3/8" BSPP	30-210 bar	40 L/min	8.75:1	Steel
VBCR3802S	233.00	3/8" BSPP	60-350 bar	40 L/min	4.25:1	Steel
VBCR3802S8	243.00	3/8" BSPP	60-350 bar	40 L/min	8.75:1	Steel
VBCR1201S	245.00	1/2" BSPP	30-210 bar	60 L/min	4.25:1	Steel
VBCR1201S8	252.00	1/2" BSPP	30-210 bar	60 L/min	8.75:1	Steel
VBCR1202S	245.00	1/2" BSPP	60-350 bar	60 L/min	4.25:1	Steel
VBCR1202S8	252.00	1/2" BSPP	60-350 bar	60 L/min	8.75:1	Steel



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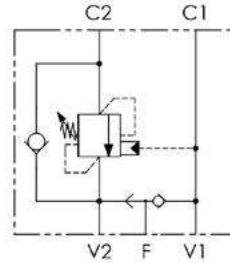
WARNING

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TECH DATA

Single Counter Balance Valve Internal Vent, Brake Release

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
VBFP3801S	314.00	3/8" BSPP	30-210 bar	40 L/min	4.25:1	Steel

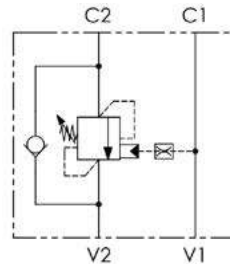


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TECH DATA

Single Counter Balance Valve Internal Vent, Banjo Bolt

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
VBCB3801S	230.00	3/8" BSPP	30-210 bar	40 L/min	4.25:1	Steel
VBCB3802S	230.00	3/8" BSPP	60-350 bar	40 L/min	4.25:1	Steel

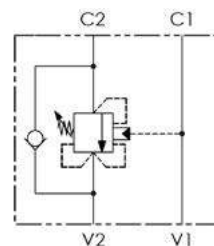


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TECH DATA

Single Counter Balance Valve External Vent

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
VBCL380C1S	243.00	3/8" BSPP	30-210 bar	40 L/min	4.25:1	Steel
VBCL380C2S	243.00	3/8" BSPP	60-350 bar	40 L/min	4.25:1	Steel
VBCL120C1S	269.00	1/2" BSPP	30-210 bar	60 L/min	4.25:1	Steel
VBCL120C2S	269.00	1/2" BSPP	60-350 bar	60 L/min	4.25:1	Steel



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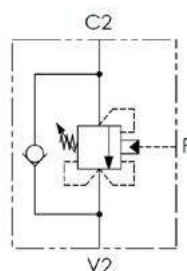
WARNING

Hydraulic cylinders without a hose burst valve, pilot operated check valve or counter balance valve directly mounted to the cylinder will not meet Australian Standard AS1418.8, nor occupational health & safety rules.

TECH DATA

Single Counter Balance Valve External Vent w/ External Pilot

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
VBCR140C1S	288.00	1/4" BSPP	30-210 bar	30 L/min	4.25:1	Steel
VBCR140C1S8	297.00	1/4" BSPP	30-210 bar	30 L/min	8.75:1	Steel
VBCR140C2S	297.00	1/4" BSPP	60-350 bar	30 L/min	4.25:1	Steel
VBCR140C2S8	297.00	1/4" BSPP	60-350 bar	30 L/min	8.75:1	Steel
VBCR380C1S	288.00	3/8" BSPP	30-210 bar	40 L/min	4.25:1	Steel
VBCR380C1S8	297.00	3/8" BSPP	30-210 bar	40 L/min	8.75:1	Steel
VBCR380C2S	288.00	3/8" BSPP	40-350 bar	40 L/min	4.25:1	Steel
VBCR380C2S8	297.00	3/8" BSPP	40-350 bar	40 L/min	8.75:1	Steel
VBCR120C1S	298.00	1/2" BSPP	30-210 bar	60 L/min	4.25:1	Steel
VBCR120C1S8	308.00	1/2" BSPP	30-210 bar	60 L/min	8.75:1	Steel
VBCR120C2S	298.00	1/2" BSPP	60-350 bar	60 L/min	4.25:1	Steel
VBCR120C2S8	308.00	1/2" BSPP	60-350 bar	60 L/min	8.75:1	Steel

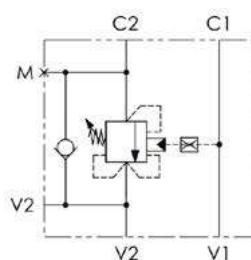
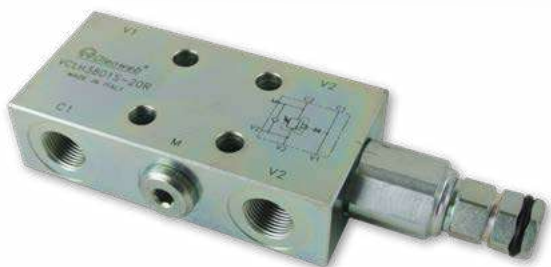


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TECH DATA

Single Counter Balance Valve External Vent, Manifold Mount

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	M Port	Material
VLH380C1S	300.00	3/8" BSPP	30-210 bar	40 L/min	4.25:1	1/4" BSPP	Steel

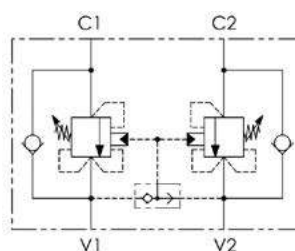


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TECH DATA

Dual Counter Balance Valve External Vent

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
VBCD380C1S	391.00	3/8" BSPP	30-210 bar	40 L/min	4.25:1	Steel
VBCD380C2S	391.00	3/8" BSPP	60-350 bar	40 L/min	4.25:1	Steel
VBCD120C1S	404.00	1/2" BSPP	30-210 bar	60 L/min	4.25:1	Steel
VBCD120C2S	404.00	1/2" BSPP	60-350 bar	60 L/min	4.25:1	Steel



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WARNING

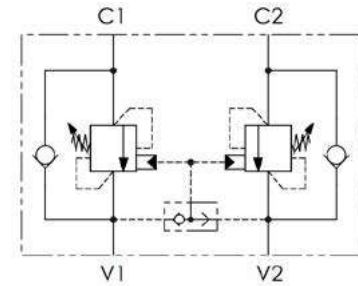
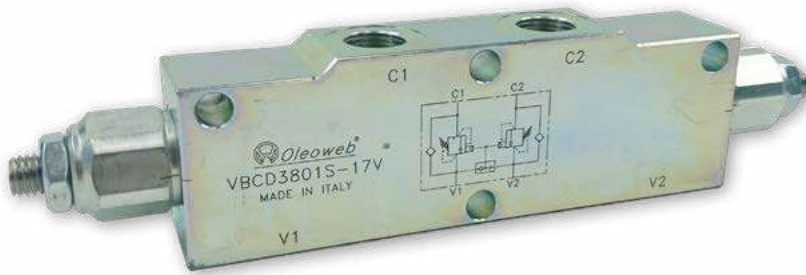
Hydraulic cylinders without a hose burst valve, pilot operated check valve or counter balance valve directly mounted to the cylinder will not meet Australian Standard AS1418.8, nor occupational health & safety rules.

TECH DATA

Dual Counter Balance Valve Internal Vent

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
VBCD3801S	362.00	3/8" BSPP	30-210 bar	40 L/min	4.25:1	Steel
VBCD3801S3	362.00	3/8" BSPP	30-210 bar	40 L/min	3:1	Steel
VBCD3801S8	362.00	3/8" BSPP	30-210 bar	40 L/min	8:1	Steel
VBCD3802S	362.00	3/8" BSPP	60-350 bar	40 L/min	4.25:1	Steel
VBCD3802S3	362.00	3/8" BSPP	60-350 bar	40 L/min	3:1	Steel
VBCD3802S8	362.00	3/8" BSPP	60-350 bar	40 L/min	8:1	Steel
VBCD1201S	391.00	1/2" BSPP	30-210 bar	60 L/min	4.25:1	Steel
VBCD1201S3	391.00	1/2" BSPP	30-210 bar	60 L/min	3:1	Steel
VBCD1201S8	391.00	1/2" BSPP	30-210 bar	60 L/min	8:1	Steel
VBCD1202S	391.00	1/2" BSPP	60-350 bar	60 L/min	4.25:1	Steel
VBCD1202S8	391.00	1/2" BSPP	60-350 bar	60 L/min	8:1	Steel
VBCD3402S	618.00	3/4" BSPP	60-350 bar	120 L/min	6.2:1	Steel

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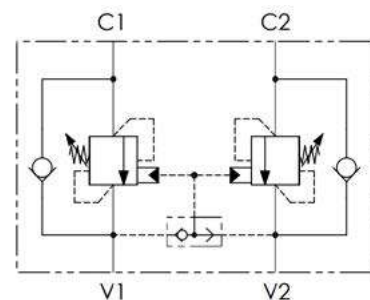


TECH DATA

Dual Counter Balance Valve Internal Vent, Manifold Mount

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
VBCF1202S	404.00	1/2" BSPP	60-350 bar	60 L/min	1:4.25	Steel

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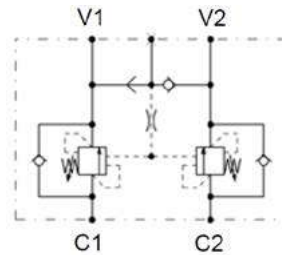
WARNING

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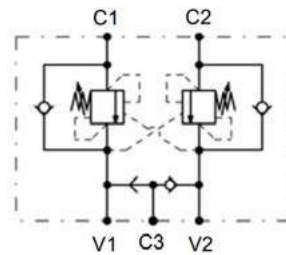
TECH DATA

Dual Counter Balance Valve Internal Vent, Brake Release Shuttle

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
CBDLIL03	832.00	1/2" BSPP	100-350 bar	80 L/min	4.2:1	Steel
CBDLSF02	551.00	3/8" BSPP	100-350 bar	60 L/min	4.2:1	Steel
CBDLSF03	665.00	1/2" BSPP	100-350 bar	60 L/min	4.2:1	Steel



CBDLIL

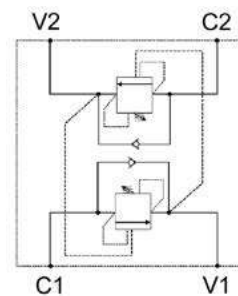


CBDLSF

TECH DATA

Dual Counter Balance Valve Internal Vent

Part #	List Price \$	Ports	Pressure Range	Max Flow	Pilot Ratio	Material
CB40DL01	528.00	1/4" BSPP	50-350 bar	25 L/min	4:1	Aluminium



WARNING

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TECH DATA

Hose Burst Valve Housing

Part #	List Price \$	Ports	Thread Type	Material
61100087	21.00	1/4" BSPP	Male/Female	Steel
61100088	21.00	3/8" BSPP	Male/Female	Steel
61100089	26.00	1/2" BSPP	Male/Female	Steel
61100090	43.00	3/4" BSPP	Male/Female	Steel
61100091	71.00	1" BSPP	Male/Female	Steel
61100092	21.00	1/4" BSPP	Female/Female	Steel
61100093	21.00	3/8" BSPP	Female/Female	Steel
61100094	30.00	1/2" BSPP	Female/Female	Steel
61100095	40.00	3/4" BSPP	Female/Female	Steel

TECH DATA

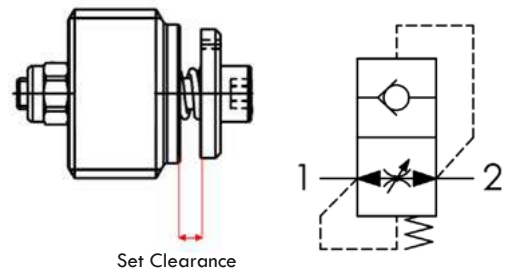
Hose Burst Valve Insert

Part #	List Price \$	Thread	Max Pressure	Max Flow
VUBA140	39.00	1/4" BSPP	350 bar	25 L/min
VUBA380	41.00	3/8" BSPP	350 bar	50 L/min
VUBA120	47.00	1/2" BSPP	350 bar	80 L/min
VUBA340	54.00	3/4" BSPP	350 bar	150 L/min
VUBA100	61.00	1" BSPP	350 bar	180 L/min

Hose Burst Valve Installation Tool

Part #	List Price \$	Valve Type
61700001	70.00	VUBA140
61700002	70.00	VUBA380
61700003	70.00	VUBA120
61700004	70.00	VUBA340

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 Hose Burst valves & adaptors are supplied unset. Set the clearance as per chart below:

Part #		CLEARANCE SETTING (mm)																				
		0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
VUBA140	FLOW (L/min)	0	3	6	9.3	12.7	16	17	18	19.2	20.3	21.5	22.3	23	23.7	24.3	25	25.4	26	26.3	26.7	27
VUBA380		0	3	6	10	14	18	20.5	23	25	27	29	30	31	32.3	33.7	35	36.4	37	38.7	40.3	42
VUBA120		0	4	8	12.7	17.3	22	26.5	31	34	37	40	42.5	45	47.7	50.3	53	55.8	58.6	61.4	64.2	67
VUBA340		0	9	18	25.3	32.7	40	48.5	57	61.7	66.3	71	77	83	88.7	94.3	100	106	111	116	120	124
VUBA100		0	3.5	7	12.0	17	22	27.5	33	39	45	51	53.5	56	60.7	65.3	70	72.4	74.8	77.2	79.6	82

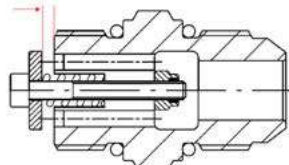
TECH DATA

Hose Burst Adaptor

Part #	List Price \$	Ports	Max Pressure	Max Flow
VUBASAE8	69.00	3/4" UNO - 3/4" JICM	315 bar	50 L/min

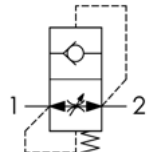
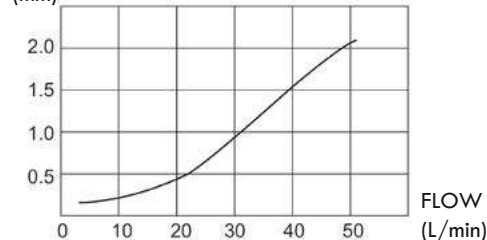


Set Clearance



CLEARANCE

(mm) *



WARNING

Hydraulic cylinders without a hose burst valve, pilot operated check valve or counter balance valve directly mounted to the cylinder will not meet Australian Standard AS1418.8, nor occupational health & safety rules.

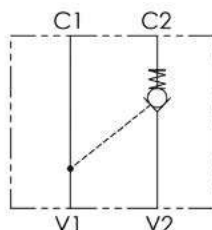
TECH DATA

Single Pilot Check Valve Internal Pilot T11-A Cartridge Valve

Cartridge pilot check valve

Part #	List Price \$	Ports	Max Pressure	Cracking Pressure	Max Flow	Pilot Ratio	Material
PO11AS-023GPSASAS	364.00	3/4" UNO	210 bar	2 bar	60 L/min	3:1	Aluminium
PO11AS-023GPSBSSS	385.00	3/4" UNO	350 bar	2 bar	60 L/min	3:1	Steel

NEW



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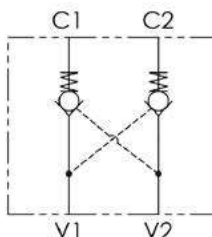
TECH DATA

Dual Pilot Check Valve Internal Pilot T11-A Cartridge Valve

Cartridge pilot check valve

Part #	List Price \$	Ports	Max Pressure	Cracking Pressure	Max Flow	Pilot Ratio	Material
PO11AS-023GPSADAS	525.00	3/4" UNO	210 bar	2 bar	60 L/min	3:1	Aluminium
PO11AS-023GPSADSS	546.00	3/4" UNO	350 bar	2 bar	60 L/min	3:1	Steel

NEW



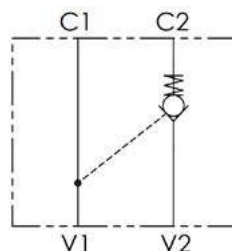
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**Cylinder
pipe kits:
see page 30**

TECH DATA

Single Inline Pilot Check Valve Internal Pilot

Part #	List Price \$	Ports	Max Flow	Max Pressure	Pilot Ratio	Material
VRSE140	148.00	1/4" BSPP	15 L/min	350 bar	1:4	Steel
VRSE380	148.00	3/8" BSPP	35 L/min	350 bar	1:4	Steel
VRSE120	184.00	1/2" BSPP	45 L/min	350 bar	1:4	Steel
VRSE340	263.00	3/4" BSPP	70 L/min	350 bar	1:2.9	Steel



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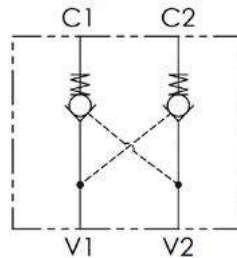
WARNING

Hydraulic cylinders without a hose burst valve, pilot operated check valve or counter balance valve directly mounted to the cylinder will not meet Australian Standard AS1418.8, nor occupational health & safety rules.

TECH DATA

Dual Inline Pilot Check Valve Internal Pilot

Part #	List Price \$	Ports	Max Flow	Max Pressure	Pilot Ratio	Material
VRDE140	148.00	1/4" BSPP	15 L/min	350 bar	1:4	Steel
VRDE380	154.00	3/8" BSPP	35 L/min	350 bar	1:4	Steel
VRDE120	203.00	1/2" BSPP	45 L/min	350 bar	1:4	Steel
VRDE340	392.00	3/4" BSPP	70 L/min	350 bar	1:2.9	Steel

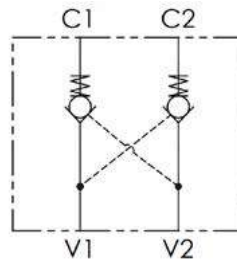


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TECH DATA

Dual Line-Mount Pilot Check Valve Internal Pilot

Part #	List Price \$	Ports	Max Flow	Max Pressure	Pilot Ratio	Material
VRDL380N	296.00	3/8" BSPP	35 L/min	350 bar	1:7	Steel
VRDL120N	336.00	1/2" BSPP	50 L/min	350 bar	1:7	Steel



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TECH DATA

Single Inline Pilot Check Valve External Pilot

Part #	List Price \$	Ports	Max Flow	Max Pressure	Pilot Ratio	Material
VRPE140	189.00	1/4" BSPP	25 L/min	350 bar	1:5.3	Steel
VRPE380	200.00	3/8" BSPP	40 L/min	350 bar	1:4.4	Steel
VRPE120	204.00	1/2" BSPP	60 L/min	350 bar	1:4.2	Steel
VRPE340	378.00	3/4" BSPP	100 L/min	300 bar	1:4	Steel
VRPE100	496.00	1" BSPP	150 L/min	300 bar	1:4.1	Steel



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WARNING

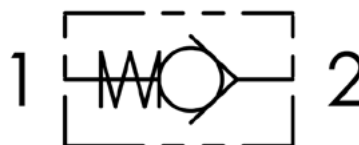
Hydraulic cylinders without a hose burst valve, pilot operated check valve or counter balance valve directly mounted to the cylinder will not meet Australian Standard AS1418.8, nor occupational health & safety rules.

**TECH
DATA**

Inline Check Valve (female/female ports)

Part #	List Price \$	Ports (F/F)	Max Flow	Max Pressure	Cracking Pressure	Material
VUR180-SP05	50.00	1/8" BSPP	5 L/min	400 bar	0.5 bar	Steel
VUR180-SP45	59.00	1/8" BSPP	5 L/min	400 bar	4.5 bar	Steel
VUR140-SP05	50.00	1/4" BSPP	15 L/min	400 bar	0.5 bar	Steel
VUR140-SP3	59.00	1/4" BSPP	15 L/min	400 bar	3.0 bar	Steel
VUR140-SP45	59.00	1/4" BSPP	15 L/min	400 bar	4.5 bar	Steel
VUR140-SP6	59.00	1/4" BSPP	15 L/min	400 bar	6.0 bar	Steel
VUR380-SP05	50.00	3/8" BSPP	30 L/min	400 bar	0.5 bar	Steel
VUR380-SP3	59.00	3/8" BSPP	30 L/min	400 bar	3.0 bar	Steel
VUR380-SP45	59.00	3/8" BSPP	30 L/min	400 bar	4.5 bar	Steel
VUR380-SP6	59.00	3/8" BSPP	30 L/min	400 bar	6.0 bar	Steel
VUR120-SP05	55.00	1/2" BSPP	50 L/min	400 bar	0.5 bar	Steel
VUR120-SP3	63.00	1/2" BSPP	50 L/min	400 bar	3.0 bar	Steel
VUR120-SP45	63.00	1/2" BSPP	50 L/min	400 bar	4.5 bar	Steel
VUR120-SP6	63.00	1/2" BSPP	50 L/min	400 bar	6.0 bar	Steel
VUR340-SP05	78.00	3/4" BSPP	90 L/min	400 bar	0.5 bar	Steel
VUR340-SP3	86.00	3/4" BSPP	90 L/min	400 bar	3.0 bar	Steel
VUR340-SP45	86.00	3/4" BSPP	90 L/min	400 bar	4.5 bar	Steel
VUR340-SP6	86.00	3/4" BSPP	90 L/min	400 bar	6.0 bar	Steel
VUR100-SP05	122.00	1" BSPP	150 L/min	350 bar	0.5 bar	Steel
VUR100-SP3	143.00	1" BSPP	150 L/min	350 bar	3.0 bar	Steel
VUR100-SP45	143.00	1" BSPP	150 L/min	350 bar	4.5 bar	Steel
VUR100-SP6	143.00	1" BSPP	150 L/min	350 bar	6.0 bar	Steel
VUR114-SP05	215.00	1.1/4" BSPP	200 L/min	350 bar	0.5 bar	Steel
VUR114-SP3	236.00	1.1/4" BSPP	200 L/min	350 bar	3.0 bar	Steel
VUR114-SP45	236.00	1.1/4" BSPP	200 L/min	350 bar	4.5 bar	Steel
VUR114-SP6	236.00	1.1/4" BSPP	200 L/min	350 bar	6.0 bar	Steel
VUR112-SP05	251.00	1.1/2" BSPP	300 L/min	350 bar	0.5 bar	Steel
VUR112-SP3	272.00	1.1/2" BSPP	300 L/min	350 bar	3.0 bar	Steel
VUR112-SP45	272.00	1.1/2" BSPP	300 L/min	350 bar	4.5 bar	Steel
VUR112-SP6	272.00	1.1/2" BSPP	300 L/min	350 bar	6.0 bar	Steel
VUR200-SP05	371.00	2" BSPP	430 L/min	250 bar	0.5 bar	Steel
VUR200-SP3	392.00	2" BSPP	430 L/min	250 bar	3.0 bar	Steel
VUR200-SP45	392.00	2" BSPP	430 L/min	250 bar	4.5 bar	Steel
VUR200-SP6	392.00	2" BSPP	430 L/min	250 bar	6.0 bar	Steel

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WARNING

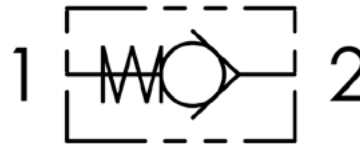
Hydraulic cylinders without a hose burst valve, pilot operated check valve or counter balance valve directly mounted to the cylinder will not meet Australian Standard AS1418.8, nor occupational health & safety rules.

TECH DATA

Inline Check Valve (male/female ports)

Part #	List Price \$	Ports	Max Flow	Max Pressure	Cracking Pressure	Material
VMF140-SP05	41.00	1/4" BSPP	15 L/min	400 bar	0.5 bar	Steel
VMF380-SP05	47.00	3/8" BSPP	30 L/min	400 bar	0.5 bar	Steel
VMF120-SP05	66.00	1/2" BSPP	50 L/min	400 bar	0.5 bar	Steel
VMF340-SP05	76.00	3/4" BSPP	90 L/min	400 bar	0.5 bar	Steel

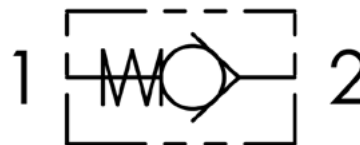
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TECH DATA

Inline Check Valve (female/female ports)

Part #	List Price \$	Ports	Max Flow	Max Pressure	Cracking Pressure	Material
S06A1	35.00	1/4" BSPP	25 L/min	350 bar	0.5 bar	Steel
S06A3	35.00	1/4" BSPP	25 L/min	350 bar	3 bar	Steel
S08A1	40.00	3/8" BSPP	40 L/min	350 bar	0.5 bar	Steel
S08A3	40.00	3/8" BSPP	40 L/min	350 bar	3 bar	Steel
S010A1	51.00	1/2" BSPP	60 L/min	350 bar	0.5 bar	Steel
S010A3	51.00	1/2" BSPP	60 L/min	350 bar	3 bar	Steel
S015A1	62.00	3/4" BSPP	100 L/min	350 bar	0.5 bar	Steel
S015A3	62.00	3/4" BSPP	100 L/min	350 bar	3 bar	Steel
S020A1	90.00	1" BSPP	150 L/min	350 bar	0.5 bar	Steel
S020A3	90.00	1" BSPP	150 L/min	350 bar	3 bar	Steel



WARNING

Hydraulic cylinders without a hose burst valve, pilot operated check valve or counter balance valve directly mounted to the cylinder will not meet Australian Standard AS1418.8, nor occupational health & safety rules.

TECH DATA

Insert Check Valve

Installation tool available - contact us for details

Part #	List Price \$	Ports	Max Flow	Max Pressure	Cracking Pressure	Style	
VUI140	34.00	1/4" BSPP	20 L/min	350 bar	0.5 bar	Ball type	
VUI380	47.00	3/8" BSPP	30 L/min	350 bar	0.5 bar	Ball type	
VUI120	49.00	1/2" BSPP	50 L/min	350 bar	0.5 bar	Ball type	
VUI340	61.00	3/4" BSPP	80 L/min	350 bar	0.5 bar	Ball type	
VUC140-SD	36.00	1/4" BSPP	20 L/min	350 bar	0.5 bar	Poppet type	NEW
VUC380-SD	36.00	3/8" BSPP	30 L/min	350 bar	0.5 bar	Poppet type	NEW

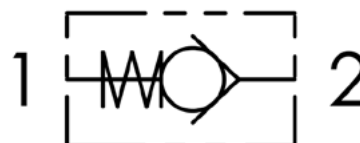
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VUI



VUC



TECH DATA

Barrel Flow Control Valve

Part #	List Price \$	Ports	Max Flow	Max Pressure	Material
VBRF140	98.00	1/4" BSPP	15 L/min	350 bar	Steel
VBRF380	109.00	3/8" BSPP	30 L/min	350 bar	Steel
VBRF120	127.00	1/2" BSPP	45 L/min	350 bar	Steel
VBRF340	195.00	3/4" BSPP	85 L/min	300 bar	Steel
VBRF100	311.00	1" BSPP	150 L/min	250 bar	Steel

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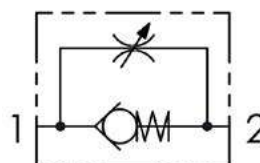


TECH DATA

Barrel Flow Control Valve with Reverse Flow Check

Part #	List Price \$	Ports	Max Flow	Max Pressure	Material
VURF140	108.00	1/4" BSPP	15 L/min	350 bar	Steel
VURF380	123.00	3/8" BSPP	30 L/min	350 bar	Steel
VURF120	137.00	1/2" BSPP	45 L/min	350 bar	Steel
VURF340	217.00	3/4" BSPP	85 L/min	300 bar	Steel
VURF100	344.00	1" BSPP	150 L/min	250 bar	Steel

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TECH DATA

Needle Flow Control Valve

Part #	List Price \$	Ports	Max Flow	Max Pressure	Material
STBF140	95.00	1/4" BSPP	15 L/min	400 bar	Steel
STBF380	101.00	3/8" BSPP	30 L/min	400 bar	Steel
STBF120	116.00	1/2" BSPP	50 L/min	400 bar	Steel
STBF340	174.00	3/4" BSPP	80 L/min	400 bar	Steel
STBF100	243.00	1" BSPP	150 L/min	400 bar	Steel
STBF114	404.00	1.1/4" BSPP	200 L/min	350 bar	Steel
STBF112	471.00	1.1/2" BSPP	300 L/min	350 bar	Steel

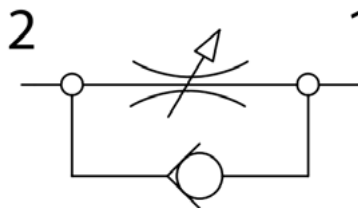


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TECH DATA

Needle Flow Control Valve with Reverse Flow Check

Part #	List Price \$	Ports	Max Flow	Max Pressure	Material
STUF140	108.00	1/4" BSPP	15 L/min	400 bar	Steel
STUF380	116.00	3/8" BSPP	30 L/min	400 bar	Steel
STUF120	135.00	1/2" BSPP	50 L/min	400 bar	Steel
STUF340	210.00	3/4" BSPP	80 L/min	400 bar	Steel
STUF100	310.00	1" BSPP	150 L/min	400 bar	Steel
STUF114	539.00	1.1/4" BSPP	200 L/min	350 bar	Steel
STUF112	704.00	1.1/2" BSPP	300 L/min	350 bar	Steel



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TECH DATA

Panel Mount Nuts

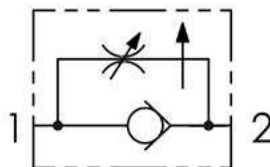
Part #	List Price \$	Valve
84100022	14.00	STBF/STUF140-380
84100023	16.00	STBF/STUF120
84100024	25.00	STBF/STUF340-100
84100030	49.00	STBF/STUF112-114



TECH DATA

Pressure Compensated Flow Control Valve with Reverse Flow Check

Part #	List Price \$	Ports	Max Flow	Max Pressure	Material
VRC140	215.00	1/4" BSPP	10 L/min	250 bar	Steel
VRC380	215.00	3/8" BSPP	18 L/min	250 bar	Steel
VRC120	256.00	1/2" BSPP	33 L/min	250 bar	Steel

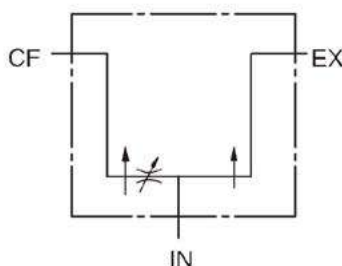


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TECH DATA

Pressure Compensated Priority Flow Control

Part #	List Price \$	Ports	Max Flow	Max Pressure	Material
FC51G3/8	368.00	3/8" BSPP	30 L/min	207 bar	Cast iron
FC51G1/2	368.00	1/2" BSPP	61 L/min	207 bar	Cast iron
FC51G3/4	368.00	3/4" BSPP	114 L/min	207 bar	Cast iron
FCB51-HK	36.00	Replacement handle kit			
FCB51-SK	15.00	Seal kit			



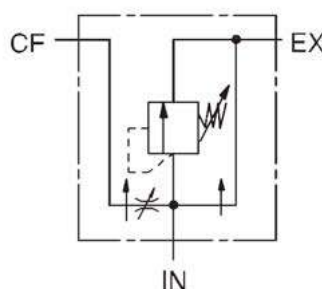
CF: Controlled flow EX: Exhaust



TECH DATA

Pressure Compensated Priority Flow Control with Relief Valve

Part #	List Price \$	Ports	Max Flow	Max Pressure	Material
FCB51G3/8	441.00	3/8" BSPP with relief	30 L/min	207 bar	Cast iron
FCB51G1/2	441.00	1/2" BSPP with relief	61 L/min	207 bar	Cast iron
FCB51G3/4	441.00	3/4" BSPP with relief	114 L/min	207 bar	Cast iron
FCB51-HK	36.00	Replacement handle kit			
FCB51-SK	15.00	Seal kit			



CF: Controlled flow EX: Exhaust



TECH DATA

Pressure Compensated Priority Flow Control Valve

Recommended filtration 30 micron

Part #	List Price \$	Flow Path	Port Size	Max Flow	Max Pressure	Relief Valve
PFC51-8SAE	483.00	Standard flow control	3/4" UN	30 L/min	207 bar	n/a
PFC51-10SAE	483.00	Standard flow control	7/8" UN	61 L/min	207 bar	n/a
PFC51-12SAE	483.00	Standard flow control	1.1/16" UN	114 L/min	207 bar	n/a
PFC51-16SAE	2994.00	Standard flow control	1.5/16" UN	189 L/min	207 bar	n/a
PFC51-24SAE	2994.00	Standard flow control	1.7/8" UN	340 L/min	207 bar	n/a



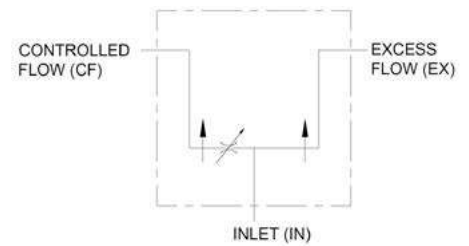
-12SAE



-24SAE

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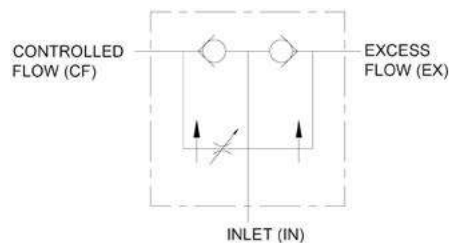


TECH DATA

Pressure Compensated Priority Flow Control Valve with Free Reverse Flow

Recommended filtration 30 micron

Part #	List Price \$	Flow Path	Port Size	Flow	Max Pressure	Relief Valve
PFC55-10SAE37	637.00	Free reverse flow	7/8" UN	0-30 L/min	207 bar	n/a
PFC55-10SAE	637.00	Free reverse flow	7/8" UN	0-61 L/min	207 bar	n/a
PFC55-12SAE	637.00	Free reverse flow	1.1/16" UN	0-114 L/min	207 bar	n/a



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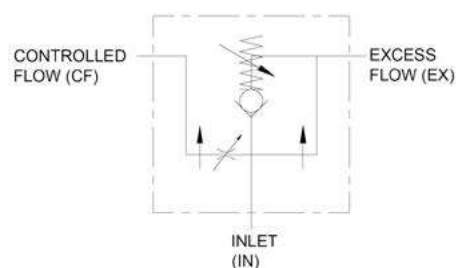
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TECH DATA

Pressure Compensated Priority Flow Control Valve with Relief Valve

Recommended filtration 30 micron | Relief range 750-3000psi

Part #	List Price \$	Flow Path	Port Size	Flow	Max Pressure	Relief Preset
PFCR51-8	548.00	Standard flow control	3/4" UN	0-30 L/min	207 bar	104 bar
PFCR51-10	548.00	Standard flow control	7/8" UN	0-61 L/min	207 bar	104 bar
PFCR51-12	548.00	Standard flow control	1.1/16" UN	0-114 L/min	207 bar	104 bar



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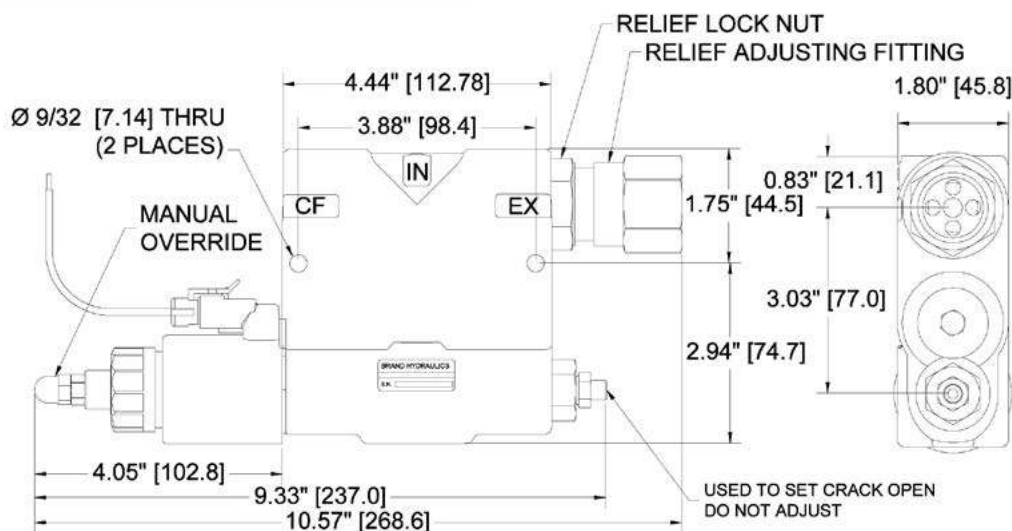
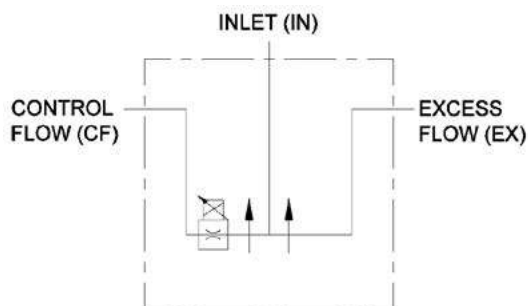
**TECH
DATA**

Electronically Adjustable Proportional Pressure Compensated Flow Control Valve

Recommended filtration 10 micron | Inbuilt manual override

Part #	List Price \$	Flow Path	Port Size	Flow	Voltage	Max Amps	Max Pressure
PEFC12-10-122P	1923.00	2-port no reverse flow	1.1/16" UN	0-37 L/min	12v DC	1.0 amp	207 bar
PEFC12-25-122P	1923.00	2-port no reverse flow	1.1/16" UN	0-94 L/min	12v DC	1.0 amp	207 bar
PEFC12-10-12	1923.00	3-port no reverse flow	1.1/16" UN	0-37 L/min	12v DC	1.0 amp	207 bar
PEFC12-15-12	1923.00	3-port no reverse flow	1.1/16" UN	0-56 L/min	12v DC	1.0 amp	207 bar
PEFC12-20-12	1923.00	3-port no reverse flow	1.1/16" UN	0-75 L/min	12v DC	1.0 amp	207 bar
PEFC12-25-12	1923.00	3-port no reverse flow	1.1/16" UN	0-94 L/min	12v DC	1.0 amp	207 bar
PEFC12-30-12	1923.00	3-port no reverse flow	1.1/16" UN	0-113 L/min	12v DC	1.0 amp	207 bar
PEFC12-10-24	1923.00	3-port no reverse flow	1.1/16" UN	0-37 L/min	24v DC	0.5 amp	207 bar
PEFC12-15-24	1923.00	3-port no reverse flow	1.1/16" UN	0-56 L/min	24v DC	0.5 amp	207 bar
PEFC12-20-24	1923.00	3-port no reverse flow	1.1/16" UN	0-75 L/min	24v DC	0.5 amp	207 bar
PEFC12-25-24	1923.00	3-port no reverse flow	1.1/16" UN	0-94 L/min	24v DC	0.5 amp	207 bar
PEFC12-30-24	1923.00	3-port no reverse flow	1.1/16" UN	0-113 L/min	24v DC	0.5 amp	207 bar

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Coils to suit PEFC Series Flow Control Valves

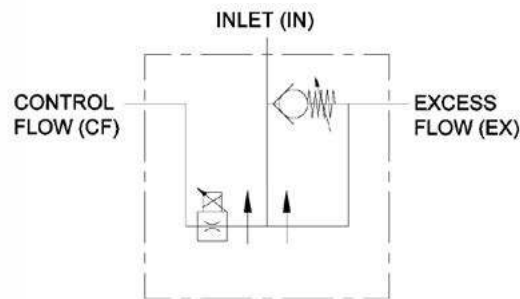
Part #	List Price \$	Description
C961	318.00	12v DC coil
B03-24C	71.00	24v DC coil with DIN connector
B03-12C	71.00	12v DC coil with DIN connector

TECH DATA

Electronically Adjustable Proportional Pressure Compensated Flow Control Valve w/ Relief Valve

Recommended filtration 10 micron | Inbuilt manual override | Relief preset 1500psi

Part #	List Price \$	Flow Path	Port Size	Flow	Voltage	Max Amp	Relief Range	Max Pressure
PEFC12-10-12-R15	2145.00	3-port no reverse flow	1.1/16" UN	0-37 L/min	12v DC	1.0 amp	52-207 bar	207 bar
PEFC12-15-12-R15	2145.00	3-port no reverse flow	1.1/16" UN	0-56 L/min	12v DC	1.0 amp	52-207 bar	207 bar
PEFC12-20-12-R15	2145.00	3-port no reverse flow	1.1/16" UN	0-75 L/min	12v DC	1.0 amp	52-207 bar	207 bar
PEFC12-25-12-R15	2145.00	3-port no reverse flow	1.1/16" UN	0-94 L/min	12v DC	1.0 amp	52-207 bar	207 bar
PEFC12-30-12-R15	2145.00	3-port no reverse flow	1.1/16" UN	0-113 L/min	12v DC	1.0 amp	52-207 bar	207 bar
PEFC12-10-24-R15	2145.00	3-port no reverse flow	1.1/16" UN	0-37 L/min	24v DC	0.5 amp	52-207 bar	207 bar
PEFC12-15-24-R15	2145.00	3-port no reverse flow	1.1/16" UN	0-56 L/min	24v DC	0.5 amp	52-207 bar	207 bar
PEFC12-20-24-R15	2145.00	3-port no reverse flow	1.1/16" UN	0-75 L/min	24v DC	0.5 amp	52-207 bar	207 bar
PEFC12-25-24-R15	2145.00	3-port no reverse flow	1.1/16" UN	0-94 L/min	24v DC	0.5 amp	52-207 bar	207 bar
PEFC12-30-24-R15	2145.00	3-port no reverse flow	1.1/16" UN	0-113 L/min	24v DC	0.5 amp	52-207 bar	207 bar



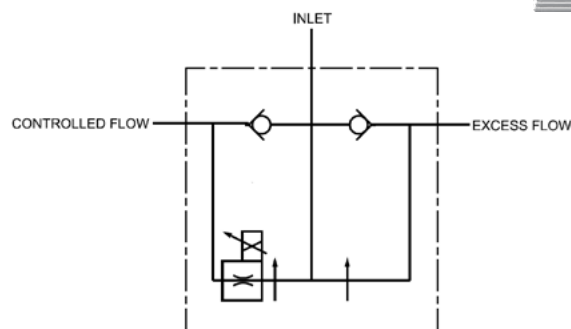
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TECH DATA

Electronically Adjustable Proportional Pressure Compensated Flow Control Valve w/ Free Reverse Flow

Recommended filtration 10 micron | Inbuilt manual override

Part #	List Price \$	Flow Path	Port Size	Flow	Voltage	Max Amps	Relief Valve	Ports	Max Pressure
PEFCC12-10-12	2009.00	Free reverse flow	1.1/16" UN	0-37 L/min	12v DC	1.0 amp	n/a	3-port	207 bar
PEFCC12-15-12	2009.00	Free reverse flow	1.1/16" UN	0-56 L/min	12v DC	1.0 amp	n/a	3-port	207 bar
PEFCC12-20-12	2009.00	Free reverse flow	1.1/16" UN	0-75 L/min	12v DC	1.0 amp	n/a	3-port	207 bar
PEFCC12-25-12	2009.00	Free reverse flow	1.1/16" UN	0-94 L/min	12v DC	1.0 amp	n/a	3-port	207 bar
PEFCC12-30-12	2009.00	Free reverse flow	1.1/16" UN	0-113 L/min	12v DC	1.0 amp	n/a	3-port	207 bar
PEFCC12-10-24	2009.00	Free reverse flow	1.1/16" UN	0-37 L/min	24v DC	0.5 amp	n/a	3-port	207 bar
PEFCC12-15-24	2009.00	Free reverse flow	1.1/16" UN	0-56 L/min	24v DC	0.5 amp	n/a	3-port	207 bar
PEFCC12-20-24	2009.00	Free reverse flow	1.1/16" UN	0-75 L/min	24v DC	0.5 amp	n/a	3-port	207 bar
PEFCC12-25-24	2009.00	Free reverse flow	1.1/16" UN	0-94 L/min	24v DC	0.5 amp	n/a	3-port	207 bar
PEFCC12-30-24	2009.00	Free reverse flow	1.1/16" UN	0-113 L/min	24v DC	0.5 amp	n/a	3-port	207 bar



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DATA**

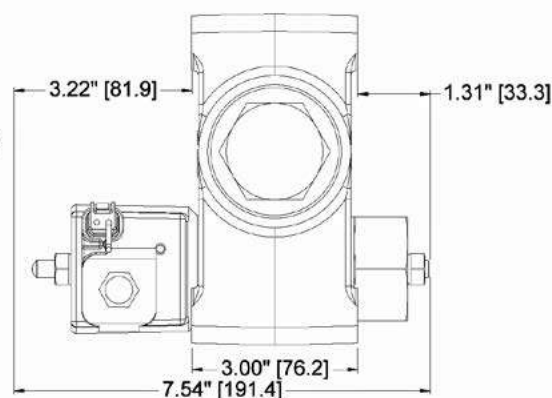
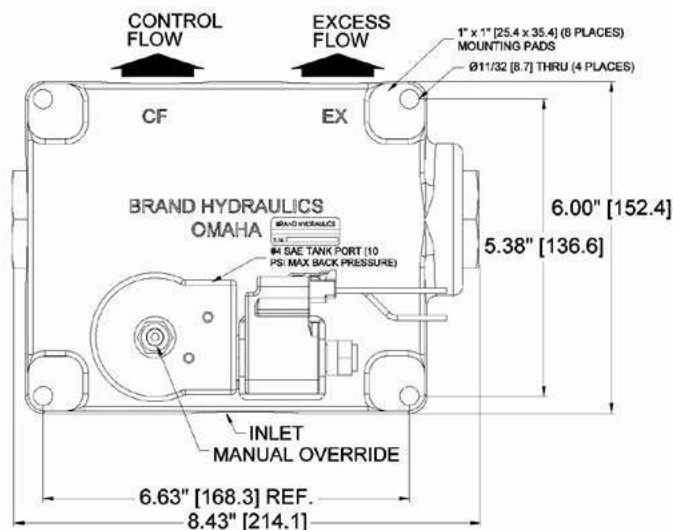
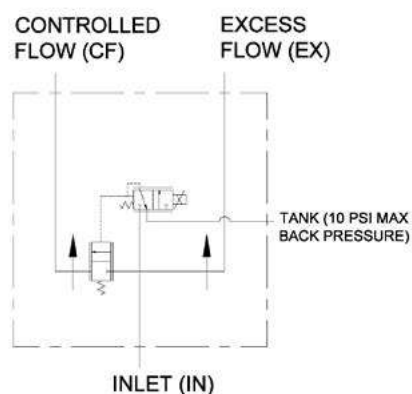
Electronically Adjustable Proportional Pressure Compensated Flow Control Valve

No relief valve | Recommended filtration 10 micron

Part #	List Price \$	Flow Path	Port Size	Flow	Voltage	Max Pressure	Ports
LEFC164512DM	5128.00	No reverse flow	1.5/16" UN	0-170 L/min	12v DC	207 bar	3-port
LEFC165512DM	5128.00	No reverse flow	1.5/16" UN	0-208 L/min	12v DC	207 bar	3-port
LEFC164524DM	5225.00	No reverse flow	1.5/16" UN	0-170 L/min	24v DC	207 bar	3-port
LEFC165524DM	5225.00	No reverse flow	1.5/16" UN	0-208 L/min	24v DC	207 bar	3-port
P1918	253.00	12v DC coil					
P1927	286.00	24v DC coil					

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TECH DATA

Electronic Control Box

Compatible with EFC type valve | Single turn 312° rotation potentiometer

Part #	List Price \$	Outputs	Supply Voltage	Output Voltage	PWM Output	IP Rating
EC-12-01	1523.00	X1 PWM	12.7-18v DC	12.7-18v DC	1.0 amp	IP65/NEMA4

 No ramp or current adjustment with this model

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TECH DATA

Programmable PWM Proportional Controller

User programmable: ramp setting, dither frequency, min/max current output

Part #	List Price \$	Input Voltage	Max Output Current	Dither Frequency	Ramp Up & Down	E-Stop	Connection	Power Lead	Signal Lead
HN-DPC	1680.00	12-24v DC	2.1a	70-350Hz	0.1-5.0s	Yes	Deutsch 2-way Female	3 mtr	5 mtr



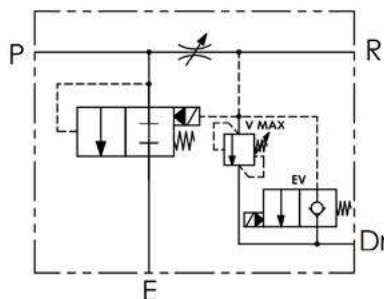
TECH DATA

Pressure Compensated Priority Flow Control Solenoid Actuated with Relief

Part #	List Price \$	Ports	Max Flow	Max Reg. Flow	Max Pressure	Relief	Material
VPP380VRV3	1246.00	3/8" BSPP	50 L/min	30 L/min	250 bar	30-210 bar	Aluminium
VPP120VRV3	1407.00	1/2" BSPP	90 L/min	50 L/min	250 bar	30-210 bar	Aluminium

Note: Voltage required (12 or 24v DC). Normally open or normally closed solenoid valve.

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P: Pressure R: Regulated E: Exhaust Dr: Drain

TECH DATA

Pressure Compensated Priority Flow Control - Excess to line

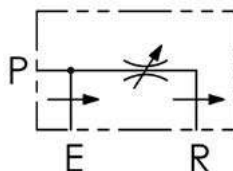
Part #	List Price \$	Ports	Max Flow	Regulated Max Flow	Max Pressure	Material
VPP380V	685.00	3/8" BSPP	50 L/min	30 L/min	250 bar	Aluminium
VPP120V	699.00	1/2" BSPP	90 L/min	50 L/min	250 bar	Aluminium
VPP340V	1101.00	3/4" BSPP	150 L/min	80 L/min	250 bar	Aluminium
PVEL05	1139.00	1" BSPP	190 L/min	120 L/min	260 bar	Aluminium

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VPP



P: Pressure R: Regulated E: Exhaust



PVEL

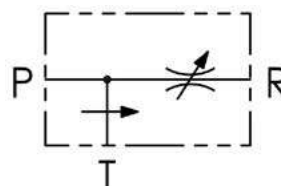
TECH DATA

Pressure Compensated Priority Flow Control - Excess to tank

Part #	List Price \$	Ports	Max Flow	Max Flow in R	Max Pressure	Material
VPT380V	551.00	3/8" BSPP	50 L/min	30 L/min	250 bar	Aluminium
VPT120V	566.00	1/2" BSPP	80 L/min	50 L/min	250 bar	Aluminium
VPT340V	779.00	3/4" BSPP	150 L/min	80 L/min	250 bar	Aluminium
VPT100V	1027.00	1" BSPP	240 L/min	150 L/min	250 bar	Aluminium



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P: Pressure R: Regulated T: Tank

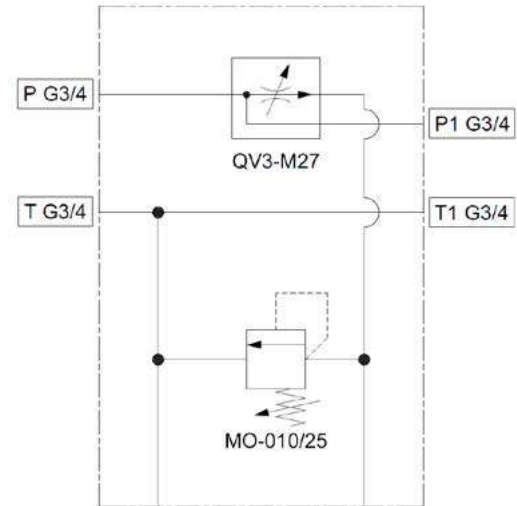
TECH DATA

Priority Flow Control with Control Valve Interface Relief on Regulate Flow

Part #	List Price \$	Max Flow	Max Press.	Preset Regulated Flow	Port Size	Relief Range	Material
PD-QV/40-MOP/25	1780.00	90 L/min	350 bar	4-20 L/min	3/4" BSPP	20-210 bar	Steel

 Directional Control Valve sold separately (up to 8 can be fitted) - see page 263

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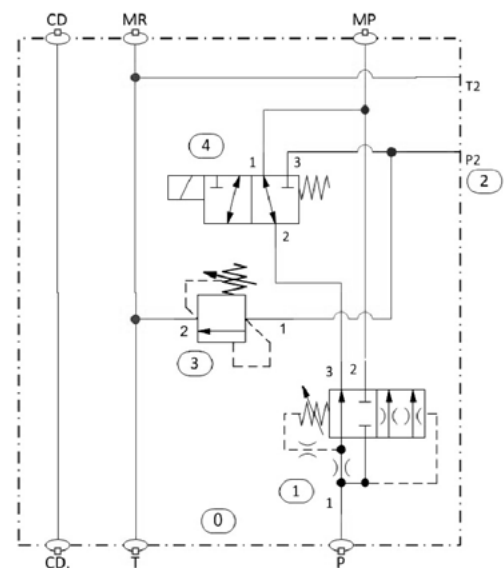
TECH DATA

Priority Flow Control with Control Valve Interface/Solenoid Unload Valve & Relief on Regulate Flow

Part #	List Price \$	Max Flow	Max Press.	Preset Reg. Flow	Port Size	Unload Valve	Relief Range	Material
PD-QV/MOP-12VDC	3919.00	240 L/min	350 bar	7 L/min	CD: 1/2" BSPP MP,MR,P,T: 1" BSPP	Normally Open 12v DC	20-210 bar	Steel

 Note: Directional Control Valve sold separately (up to 8 can be fitted) - see page 263

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TECH
DATA

Cartridge Flow Divider & Combiner

Part #	List Price \$	P-Port	U-Ports	Flow Range	Max Pressure	Material
DRF101380380	496.00	3/8" BSPP	3/8" BSPP	2-5 L/min	250 bar	Aluminium
DRF102380380	496.00	3/8" BSPP	3/8" BSPP	3-10 L/min	250 bar	Aluminium
DRF103380380	496.00	3/8" BSPP	3/8" BSPP	7-20 L/min	250 bar	Aluminium
DRF104380380	496.00	3/8" BSPP	3/8" BSPP	15-40 L/min	250 bar	Aluminium
FDC10-38-12	473.00	3/8" BSPP	3/8" BSPP	4-12 L/min	210 bar	Aluminium
FDC10-38-24	473.00	3/8" BSPP	3/8" BSPP	12-24 L/min	210 bar	Aluminium
FDC10-12-40	473.00	1/2" BSPP	3/8" BSPP	24-40 L/min	210 bar	Aluminium
FDC24-34-90	747.00	3/4" BSPP	1/2" BSPP	40-90 L/min	210 bar	Aluminium
FDC20-100-150	747.00	1" BSPP	3/4" BSPP	80-150 L/min	210 bar	Aluminium
89900007	832.00	3/4" BSPP	1/2" BSPP	75-100 L/min	250 bar	Aluminium
89900013	921.00	1" BSPP	3/4" BSPP	80-115 L/min	250 bar	Aluminium
89900014	1040.00	1" BSPP	3/4" BSPP	115-150 L/min	250 bar	Aluminium



DRF

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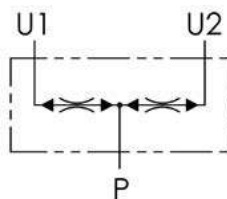
FDC

caproni
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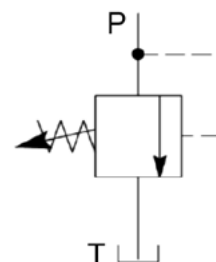
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TECH
DATA

Panel Mounted Pressure Relief Valve

Part #	List Price \$	Ports	Max Flow	Pressure Adj. Range	Max Pressure	Material	
RM-T01-B-A	440.00	1/4" BSPP	12 L/min	7-70 bar	240 bar	Cast iron	NEW
RM-T02-B-B	440.00	1/4" BSPP	12 L/min	35-140 bar	240 bar	Cast iron	NEW
RM-T02-B-C	440.00	1/4" BSPP	12 L/min	70-240 bar	240 bar	Cast iron	NEW

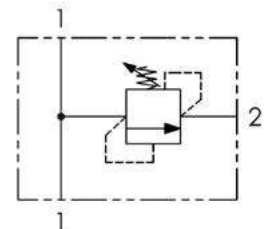


TECH DATA

Inline Relief Valve

Part #	List Price \$	Ports	Max Flow	Pressure Adj. Range	Max Pressure	Material
VMDR1-140C1	138.00	1/4" BSPP	20 L/min	10-40 bar	350 bar	Steel
VMDR1-140C2	138.00	1/4" BSPP	20 L/min	20-110 bar	350 bar	Steel
VMDR1-140C3	138.00	1/4" BSPP	20 L/min	30-210 bar	350 bar	Steel
VMDR1-140C4	138.00	1/4" BSPP	20 L/min	40-350 bar	350 bar	Steel
VMDR40-380C1	143.00	3/8" BSPP	40 L/min	10-90 bar	350 bar	Steel
VMDR40-380C2	143.00	3/8" BSPP	40 L/min	20-210 bar	350 bar	Steel
VMDR40-380C3	143.00	3/8" BSPP	40 L/min	70-350 bar	350 bar	Steel
VMDR40-120C1	143.00	1/2" BSPP	40 L/min	10-90 bar	350 bar	Steel
VMDR40-120C2	143.00	1/2" BSPP	40 L/min	20-210 bar	350 bar	Steel
VMDR40-120C3	143.00	1/2" BSPP	40 L/min	70-350 bar	350 bar	Steel
VMDR90-120C1	182.00	1/2" BSPP	80 L/min	10-100 bar	350 bar	Steel
VMDR90-120C2	182.00	1/2" BSPP	80 L/min	20-250 bar	350 bar	Steel
VMDR90-120C2	182.00	1/2" BSPP	80 L/min	50-350 bar	350 bar	Steel
VMDR120-340C1	264.00	3/4" BSPP	120 L/min	10-100 bar	350 bar	Steel
VMDR120-340C2	264.00	3/4" BSPP	120 L/min	20-250 bar	350 bar	Steel
VMDR120-340C3	264.00	3/4" BSPP	120 L/min	40-350 bar	350 bar	Steel
VMDR120-100C1	264.00	1" BSPP	120 L/min	10-100 bar	350 bar	Steel
VMDR120-100C2	264.00	1" BSPP	120 L/min	20-250 bar	350 bar	Steel
VMDR120-100C3	264.00	1" BSPP	120 L/min	40-350 bar	350 bar	Steel
81300109	14.00	Adjustment handle - VMDR40 Series				
81300127	15.00	Adjustment handle - VMDR90/VMDR120 Series				

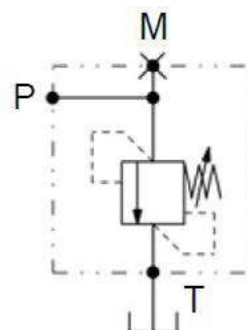
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TECH DATA

Inline Relief Valve w/ Differential Area Piston

Part #	List Price \$	Ports	Max Flow	Pressure Adj. Range	Max Pressure	Material
PRCDL1500430	473.00	3/4" BSPP	150 L/min	100-350 bar	350 bar	Aluminium
PRCDL2500530	816.00	1" BSPP	240 L/min	120-350 bar	350 bar	Aluminium

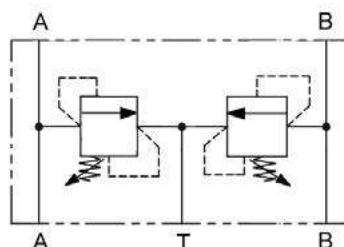


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TECH DATA

Dual Pressure Relief Common Tank Line Valve

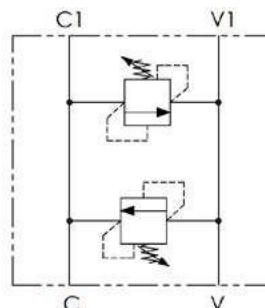
Part #	List Price \$	Ports	Max Flow	Pressure Adj. Range	Max Pressure	Material
DPRSU800320A	496.00	1/2" BSPP	80 L/min	30-260 bar	260 bar	Aluminium



TECH DATA

Dual Cross Line Relief Valve Direct Acting (Steel)

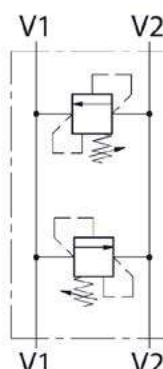
Part #	List Price \$	Ports	Max Flow	Pressure Adj. Range	Max Pressure	Material
VBDC3802	230.00	3/8" BSPP	40 L/min	20-210 bar	350 bar	Steel
VBDC3803	230.00	3/8" BSPP	40 L/min	70-350 bar	350 bar	Steel
VBDC1202	256.00	1/2" BSPP	40 L/min	20-210 bar	350 bar	Steel
VBDC1203	256.00	1/2" BSPP	40 L/min	70-350 bar	350 bar	Steel



TECH DATA

Dual Cross Line Relief Valve Direct Acting (Aluminium)

Part #	List Price \$	Ports	Max Flow	Pressure Adj. Range	Max Pressure	Material
DPRL800420A	448.00	3/4" BSPP	80 L/min	30-260 bar	260 bar	Aluminium



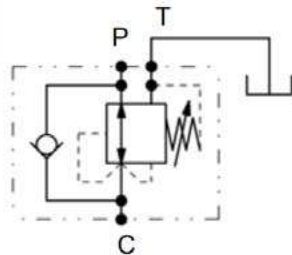
TECH DATA

Pressure Reducing Valve

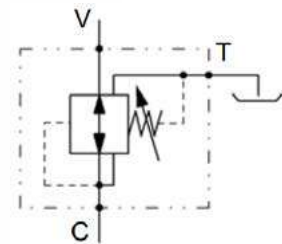
Part #	List Price \$	Ports	Max Flow	Max Pressure	Regulated Pressure Range	Material
VARPED02	667.00	3/8" BSPP	20 L/min	260 bar	15-105 bar	Aluminium
VPREDAD02	492.00	3/8" BSPP	30 L/min	350 bar	10-140 bar	Aluminium



VARPED02



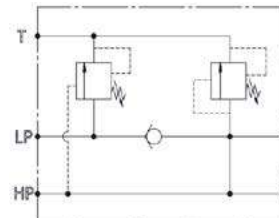
VPREDAD02



TECH DATA

Inline High Low Unloading Valve

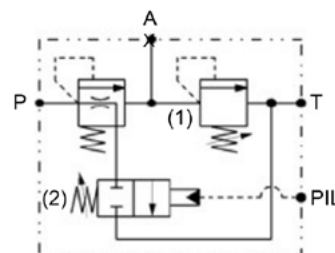
Part #	List Price \$	Ports					Max Flow		LP Unloading Range	HP Relief Range	Max Pressure	Material
		M	C	HP	LP	T	HP	LP				
HLUV-03-20-30	725.00	1/4"	1/2"	3/8"	1/2"	3/4"	25 L/min	45 L/min	20-260 bar	100-350 bar	350 bar	Steel
HLUV-04-20-30	994.00	1/4"	3/4"	1/2"	3/4"	1"	45 L/min	80 L/min	20-260 bar	120-350 bar	350 bar	Steel



TECH DATA

Pilot Operated Unloading Valve

Part #	List Price \$	Ports BSPP			Max Flow	Max Pressure	Pilot Pressure Range	Relief Pressure Range	Material
		P + A	T	PIL					
VMSIP80R03-1	1167.00	1/2"	3/8"	1/4"	80 L/min	250 bar	100-350 bar	30-260 bar	Steel



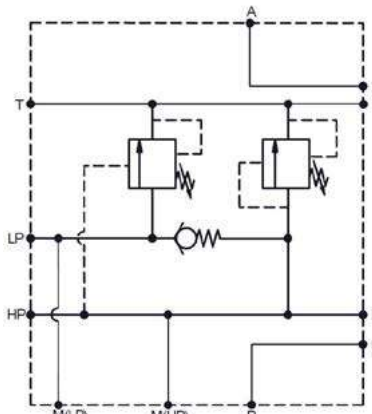
INLINE & CARTRIDGE VALVES

UNLOADING VALVES & SEQUENCE VALVES

TECH
DATA

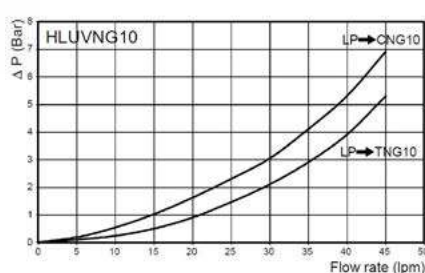
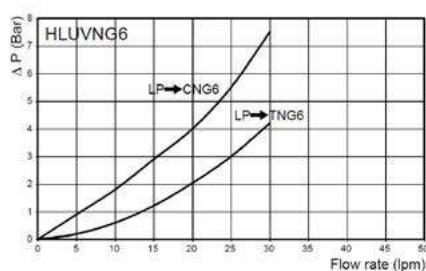
Cetop High Low Unloading Valve

Part #	List Price \$	To Suit	Relief Range	Max Flow		LP Unloading Range	HP Relief Range	Material
				HP	LP			
HLUVNG6-20-30	994.00	Cetop 3	100-350 bar	15 L/min	30 L/min	20-260 bar	100-350 bar	Aluminium
HLUVNG10-20-30	1090.00	Cetop 5	100-350 bar	25 L/min	45 L/min	20-260 bar	100-350 bar	Aluminium



Port Sizes

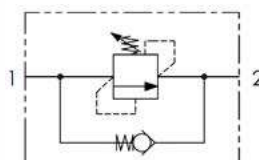
HP	1/4" BSPP
LP	3/8" BSPP
T	1/2" BSPP
A	3/8" BSPP
B	3/8" BSPP
M (HP)	1/4" BSPP
M (LP)	1/4" BSPP



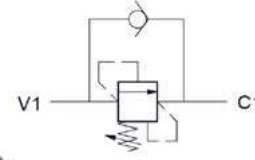
TECH
DATA

Sequence Valve

Part #	List Price \$	Ports	Max Flow	Pressure Adj. Range	Max Pressure	Material
VSL1402	215.00	1/4" BSPP	20 L/min	20-210 bar	350 bar	Steel
VSL1403	215.00	1/4" BSPP	20 L/min	70-350 bar	350 bar	Steel
VSL3802	215.00	3/8" BSPP	40 L/min	20-210 bar	350 bar	Steel
VSL3803	215.00	3/8" BSPP	40 L/min	70-350 bar	350 bar	Steel
VSL1202	230.00	1/2" BSPP	40 L/min	20-210 bar	350 bar	Steel
VSL1203	230.00	1/2" BSPP	40 L/min	70-350 bar	350 bar	Steel
SV800420A	373.00	3/4" BSPP	80 L/min	30-260 bar	260 bar	Aluminium
SV1500510C	872.00	1" BSPP	200 L/min	5-50 bar	260 bar	Aluminium
SV1500530C	872.00	1" BSPP	200 L/min	130-350 bar	260 bar	Aluminium



VSL



SV

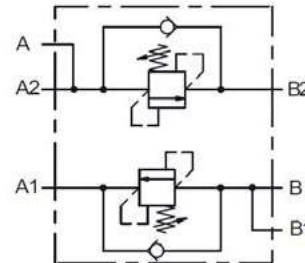
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TECH DATA

Dual Sequence Valve

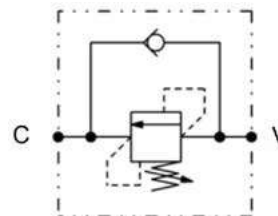
Part #	List Price \$	Ports	Max Flow	Pilot Ratio	Max Pressure	Pressure Adj. Range	Material
DSV0220SF	984.00	3/8" BSPP	60 L/min	4.2:1	350 bar	60-210 bar	Aluminium



TECH DATA

Sequence Valve - Line Mount

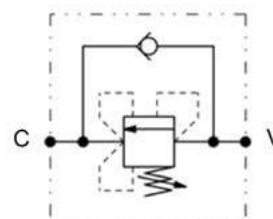
Part #	List Price \$	Ports	Max Flow	Max Pressure	Pressure Adj. Range	Material
SVL0210	310.00	3/8" BSPP	40 L/min	350 bar	30-120 bar	Steel
SVL0310	322.00	1/2" BSPP	80 L/min	350 bar	30-140 bar	Steel



TECH DATA

Sequence Valve - Line Mount, Back Pressure Proof

Part #	List Price \$	Ports	Max Flow	Max Pressure	Pressure Adj. Range	Material
SVLCC0410	378.00	3/4" BSPP	120 L/min	350 bar	50-140 bar	Steel
SVLCC0420	378.00	3/4" BSPP	120 L/min	350 bar	80-250 bar	Steel



INLINE & CARTRIDGE VALVES

END STROKE VALVES & LOAD SHUTTLE BALL VALVES

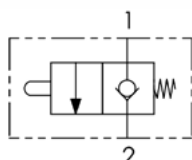
TECH
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End Stroke Valve

Part #	List Price \$	Ports	Max Flow	Max Pressure	Function	Material
FCM380N	188.00	3/8" BSPP	40 L/min	350 bar	Normally Closed	Steel
FCM120N	269.00	1/2" BSPP	60 L/min	300 bar	Normally Closed	Steel
ESOP02	296.00	3/8" BSPP	30 L/min	350 bar	Normally Open	Steel
ESOP03	324.00	1/2" BSPP	60 L/min	350 bar	Normally Open	Steel
ESDCM 03	633.00	1/2" BSPP	80 L/min	400 bar	Normally Closed	Steel



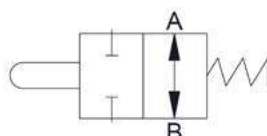
FCM



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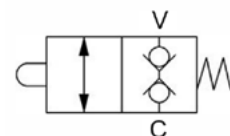
ESOP



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ESDCM



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TECH
DATA

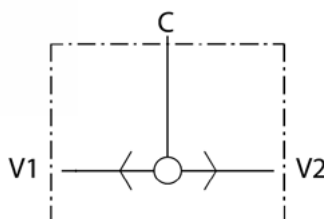
Load Shuttle Ball Valve

Part #	List Price \$	Ports	Max Flow	Max Pressure	Material
VUSF140N	69.00	1/4" BSPP	20 L/min	350 bar	Steel
VUSF380N	75.00	3/8" BSPP	40 L/min	350 bar	Steel
VUSF120N	103.00	1/2" BSPP	60 L/min	350 bar	Steel
SHV04	265.00	3/4" BSPP	140 L/min	350 bar	Steel
SHV05	373.00	1" BSPP	180 L/min	300 bar	Steel



VUSF

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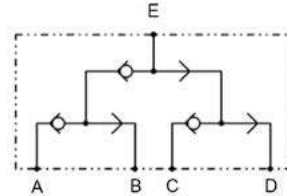
SHV

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TECH DATA

Multiple Circuit Sensing Valve

Part #	List Price \$	Ports	Max Flow	Max Pressure	Material
VSEL3VHC01	438.00	1/4" BSPP	10 L/min	250 bar	Aluminium

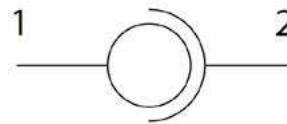


TECH DATA

Rotating Coupling - Straight

Part #	List Price \$	Ports	Max Flow	Max Pressure
GGIL140	66.00	1/4" BSPP	25 L/min	400 bar
GGIL380	74.00	3/8" BSPP	45 L/min	400 bar
GGIL120	83.00	1/2" BSPP	80 L/min	360 bar
GGIL340	122.00	3/4" BSPP	120 L/min	310 bar
GGIL100	167.00	1" BSPP	150 L/min	280 bar
GGIL114	302.00	1.1/4" BSPP	200 L/min	250 bar
GGIL112	507.00	1.1/2" BSPP	250 L/min	210 bar
GGIL200	741.00	2" BSPP	300 L/min	180 bar

To be used to compensate for occasional rotations only - not suitable for continuous rotations

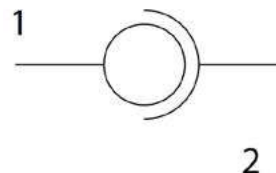


TECH DATA

Rotating Coupling - 90°

Part #	List Price \$	Ports	Max Flow	Max Pressure
GG90140	74.00	1/4" BSPP	25 L/min	400 bar
GG90380	80.00	3/8" BSPP	45 L/min	400 bar
GG90120	96.00	1/2" BSPP	80 L/min	360 bar
GG90340	148.00	3/4" BSPP	120 L/min	310 bar
GG90100	190.00	1" BSPP	150 L/min	280 bar
GG90114	439.00	1.1/4" BSPP	200 L/min	250 bar
GG90112	717.00	1.1/2" BSPP	250 L/min	210 bar
GG90200	961.00	2" BSPP	300 L/min	180 bar

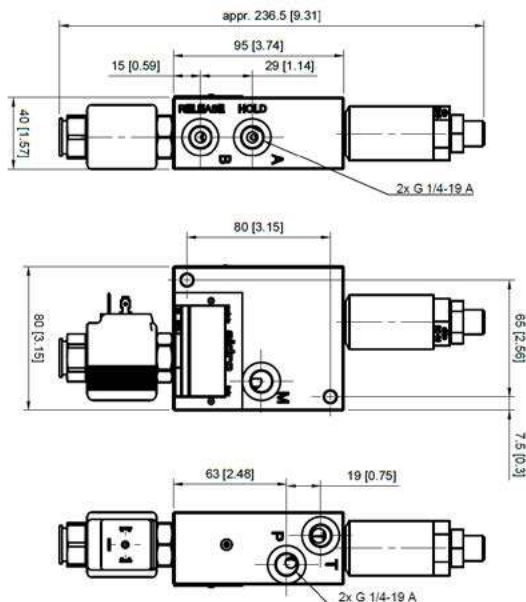
To be used to compensate for occasional rotations only - not suitable for continuous rotations



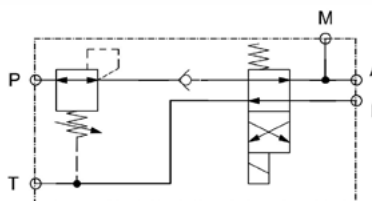
TECH DATA

Quick Hitch Valve with Pressure Reducing

Part #	List Price \$	Voltage	Ports	Max Flow	Max Inlet Pressure	Regulated Pressure
QH34C/16-012C/10	757.00	12v DC	1/4" BSPP	20 L/min	350 bar	50-160 bar
QH34C/16-024C/10	757.00	24c DC	1/4" BSPP	20 L/min	350 bar	50-160 bar
C36L-012C	72.00	12v DC		Replacement coil		
C36L-024C	72.00	24v DC		Replacement coil		



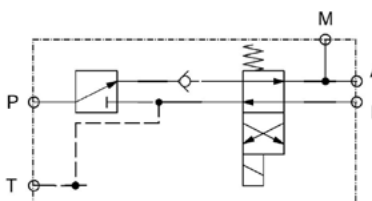
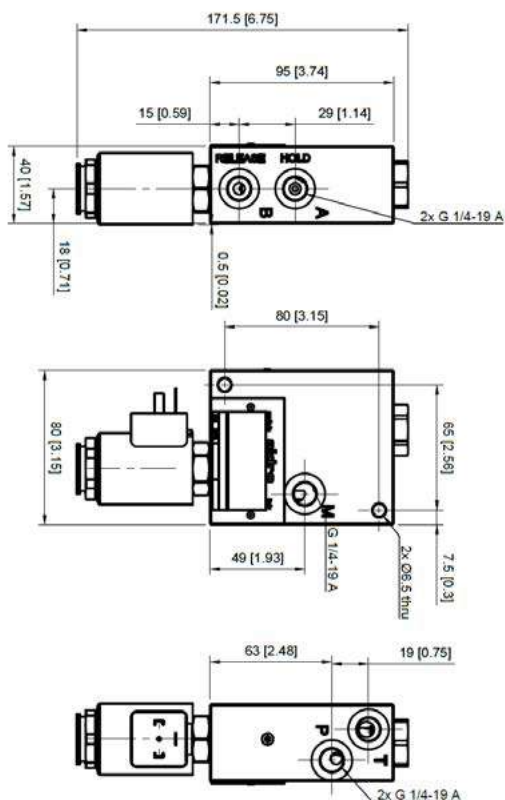
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TECH DATA

Quick Hitch Valve without Pressure Reducing

Part #	List Price \$	Voltage	Ports	Max Flow	Max Inlet Pressure
QH34C-012C/10	668.00	12v DC	1/4" BSPP	20 L/min	350 bar
QH34C-024C/10	668.00	24c DC	1/4" BSPP	20 L/min	350 bar
B02-012C	72.00	12v DC		Replacement coil	
B02-024C	72.00	24c DC		Replacement coil	

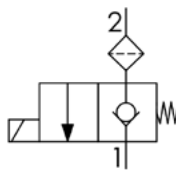
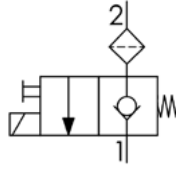
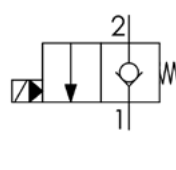
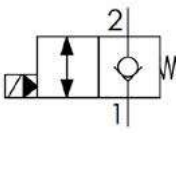
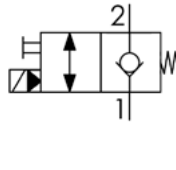
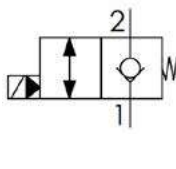
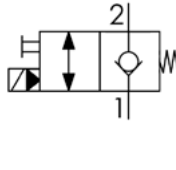
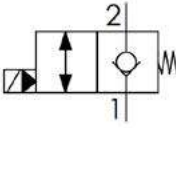
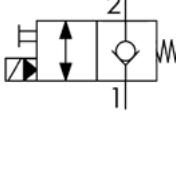


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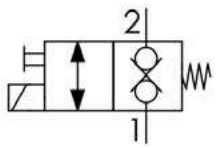
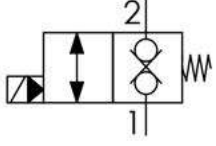
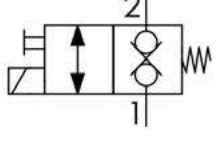
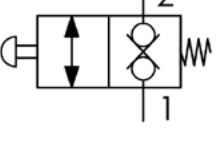
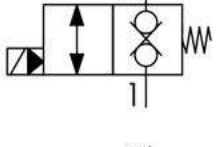
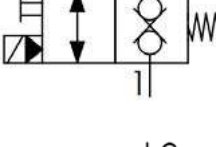
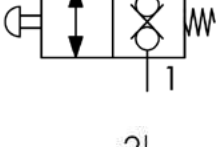
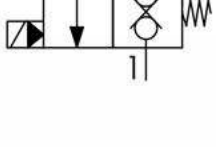
**TECH
DATA**

2-Port Electric Operated Solenoid Valves Normally Closed

Part #	List Price \$	Max Pressure	Max Flow	Manual Override	Cavity	Coil Core		
EC082A-CNN	158.00	210 bar	22 L/min	No	08-2	18W	EC	
EC082A-CNV	170.00	210 bar	22 L/min	Yes	08-2	22W	EC360	
EC082G-CNN	244.00	350 bar	40 L/min	No	08-2	22W	EC360	
EC082F-CNN	244.00	350 bar	40 L/min	No	08-2	22W	EC360	
EC082F-CNV	275.00	350 bar	40 L/min	Yes	08-2	22W	EC360	
EC102F-CNN	308.00	350 bar	70 L/min	No	10-2	22W	EC360	
EC102F-CNV	400.00	350 bar	70 L/min	Yes	10-2	22W	EC360	
E12N-22	285.00	350 bar	110 L/min	No	12-2	22W	EC360	
E12N-22S	315.00	350 bar	110 L/min	Yes	12-2	22W	EC360	

TECH
DATA

2-Port Electric Operated Solenoid Valves Normally Closed Dual Check

Part #	List Price \$	Max Pressure	Max Flow	Manual Override	Cavity	Coil Core		
ED082A-CNP	196.00	210 bar	22 L/min	Yes	08-2	22W	EC360	
ED082F-CNN	353.00	350 bar	40 L/min	No	08-2	22W	EC360	
ED082F-CNV	389.00	350 bar	40 L/min	Yes	08-2	22W	EC360	
VEM6	135.00	320 bar	30 L/min	Yes	08-2	22W	EC360	
ED102F-CNN	478.00	350 bar	70 L/min	No	10-2	22W	EC360	
ED102F-CNV	510.00	350 bar	70 L/min	Yes	10-2	22W	EC360	
VEM10	148.00	320 bar	50 L/min	Yes	10-2	22W	EC360	
E12N-28	445.00	350 bar	110 L/min	No	12-2	22W	EC360	



ED082A



ED082F



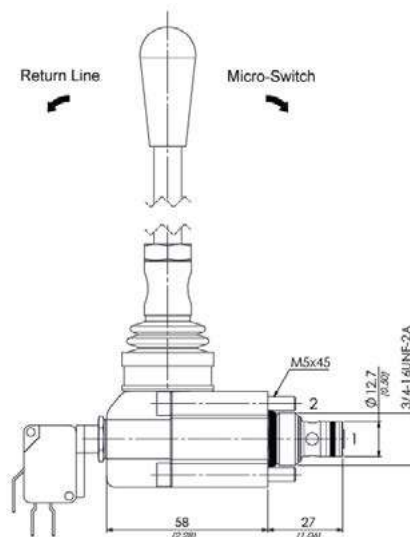
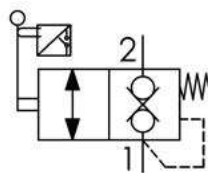
ED102F

TECH DATA

Manually Operated Release Valve w/ Integrated Micro-Switch

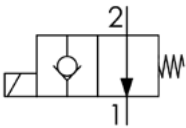
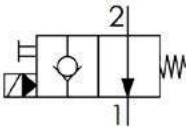
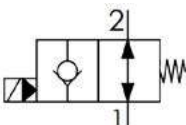
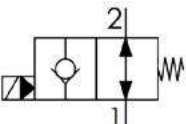
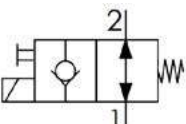
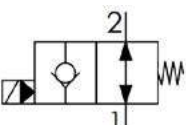
Features single direction micro switch for single acting applications

Part #	List Price \$	Max Pressure	Max Flow	Manual Override	Cavity
CM6M	260.00	320 bar	25 L/min	Yes	08-2
62200023	120.00	Manifold to suit CM6M - 1/4" BSPP ports, 200 bar max pressure			



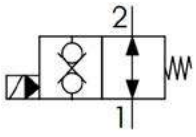
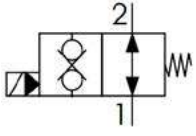
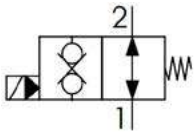
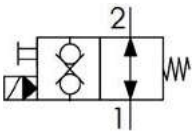
TECH DATA

2-Port Electric Operated Solenoid Valve Normally Open

Part #	List Price \$	Max Pressure	Max Flow	Manual Override	Cavity	Coil Core		
EC082A-ONN	186.00	210 bar	22 L/min	No	08-2	18W	EC	
EC082G-ONT	336.00	350 bar	40 L/min	Yes	08-2	22W	EC360	
EC082F-ONN	271.00	350 bar	40 L/min	No	08-2	22W	EC360	
EC102F-ONN	313.00	350 bar	70 L/min	No	10-2	22W	EC360	
EC102F-ONT	347.00	350 bar	70 L/min	Yes	10-2	22W	EC360	
E12N-23	295.00	350 bar	110 L/min	No	12-2	22W	EC360	

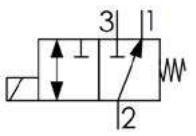
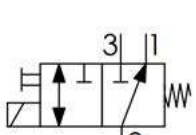
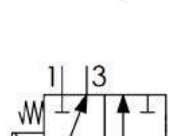
TECH
DATA

2-Port Electric Operated Solenoid Valves Normally Open Dual Check

Part #	List Price \$	Max Pressure	Max Flow	Manual Override	Cavity	Coil Core		
ED082F-0NN	353.00	350 bar	40 L/min	No	08-2	22W	EC360	
ED102F-0NN	494.00	350 bar	70 L/min	No	10-2	22W	EC360	
E12N-29	450.00	350 bar	110 L/min	No	12-2	22W	EC360	
E12N-29SV	490.00	350 bar	110 L/min	Yes	12-2	22W	EC360	

TECH
DATA

3-Port 2 Position Cartridge Valve

Part #	List Price \$	Max Pressure	Max Flow	Manual Override	Cavity	Coil Core		
ES083F-1NN	243.00	210 bar	12 L/min	No	08-3	22W	EC360	
ES083F-1NT	324.00	210 bar	12 L/min	Yes	08-3	22W	EC360	
ES083F-2NN	243.00	210 bar	12 L/min	No	08-3	22W	EC360	
ES083F-2NT	289.00	210 bar	12 L/min	Yes	08-3	22W	EC360	



ED102F

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ES083F

TECH DATA

Coils

Part #	List Price \$	Voltage	Power
EC012DC	38.00	12v DC	18 watt *
EC024DC	38.00	24v DC	18 watt *
EC22050RAC **	39.00	220v RAC	18 watt
EC36012DC	42.00	12v DC	22 watt
EC36024DC	42.00	24v DC	22 watt
EC36220RAC ***	45.00	220v AC RAC	22 watt

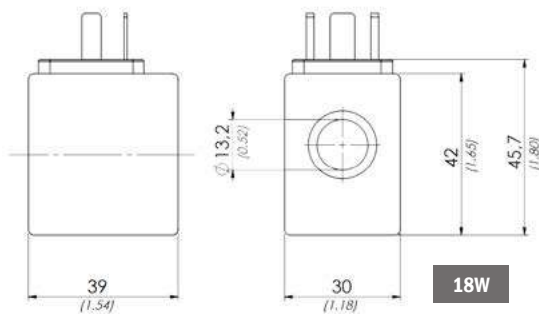


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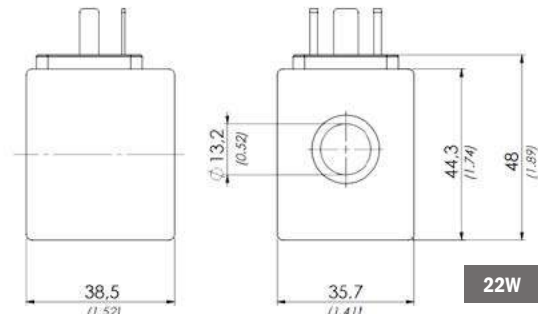
* These 18 watt coils only suitable with EC082A-CNN & EC082A-ONN cartridge valves.

** Can only be used with EC082A-CNV/EC082A-CNN cartridge valves & requires DP-REC (DIN Plug w/ rectifier AC to DC).

*** Compatible with all valves & requires DP-REC (DIN plug w/ rectifier AC to DC).



18W



22W

TECH DATA

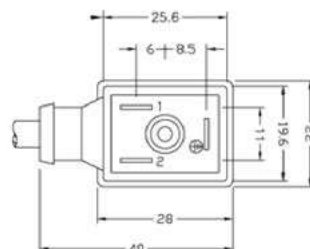
DIN Plugs 43650 Form B IND 2-Pole + PE

Part #	List Price \$	Connector	Circuits	Pre-wired Length	Integrated Gasket	Protection	Voltage DC	Voltage AC	Max. Current	Tech Data Reference
DP-IP65-AC/DC-IND	22.00	Form B IND	Red LED + varistor	-	No	IP67	1-250v	1-250v	10a @40°C	VE63 23A9R
DP-IP67-AC/DC-IND-3M	44.00	Form B IND	Red LED + varistor	3 meters	Yes	IP67	10-50v	-	10a @40°C	-

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DP-IP67-AC/DC-IND-3M
Pre-wired 3m lead



DP-IP65-AC/DC-IND

TECH DATA

DIN Plugs 43650 Form A 2-Pole + PE

Part #	List Price \$	Connector	Circuits	Pre-wired Length	Integrated Gasket	Protection	Voltage DC	Voltage AC	Max. Current	Tech Data Reference
DP-IP67-AC/DC-250	22.00	Form A	Red LED + varistor	-	No	IP67	1-250v	1-250v	10a @40°C	VC13 12A9R
DP-IP67-AC/DC-38	22.00	Form A	Red LED + varistor	-	No	IP67	1-38v	1-30v	10a @40°C	VC13 23A2R
DP-IP67-AC/DC-3M	44.00	Form A	Red LED + varistor	3 meters	Yes	IP67	1-42v	10-30v	10a @40°C	-
DP-LED-AC	14.00	Form A	Red LED	-	No	IP64	-	1-250v	10a @40°C	-
DP-LED-DC	14.00	Form A	Red LED	-	No	IP64	1-42v	-	10a @40°C	-
DP-REC-LV	37.00	Form A	Red LED + rectifier	-	No	IP67	-	10-50v	1.4a @40°C	VC13 33H3R
DP-REC	37.00	Form A	Red LED + rectifier	-	No	IP67	-	70-250v	1.4a @40°C	VC13 33H8R



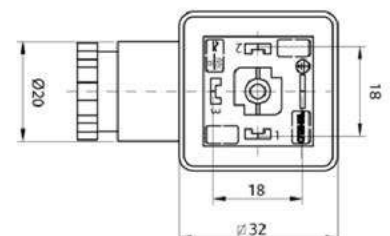
DP-IP67-AC/DC-3M
Pre-wired 3m lead



DP-IP67-AC/DC-250
DP-IP67-AC/DC-38
DP-REC-LV, DP-REC



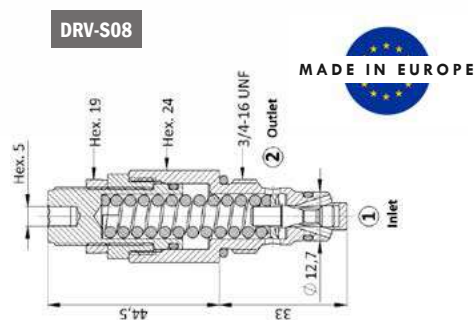
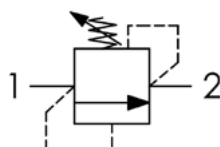
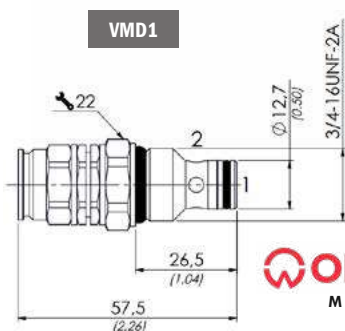
DP-LED-AC
DP-LED-DC



TECH DATA

Cartridge Relief Valve SAE 08-2 Cavity

Part #	List Price \$	Max Pressure	Max Flow	Pressure Adjustment Range	Relief Type
VMD1-C1N	69.00	350 bar	20 L/min	10-40 bar	Direct acting
VMD1-C2N	69.00	350 bar	20 L/min	20-110 bar	Direct acting
VMD1-C3N	69.00	350 bar	20 L/min	30-210 bar	Direct acting
VMD1-C4N	69.00	350 bar	20 L/min	40-350 bar	Direct acting
DRV-S08-04-60-N-H	99.00	350 bar	30 L/min	15-60 bar	Direct acting
DRV-S08-04-135-N-H	99.00	350 bar	30 L/min	25-135 bar	Direct acting
DRV-S08-04-220-N-H	99.00	350 bar	30 L/min	50-220 bar	Direct acting
DRV-S08-04-350-N-H	99.00	350 bar	30 L/min	120-350 bar	Direct acting
CPS-08	47.00	Steel cavity blanking plug			

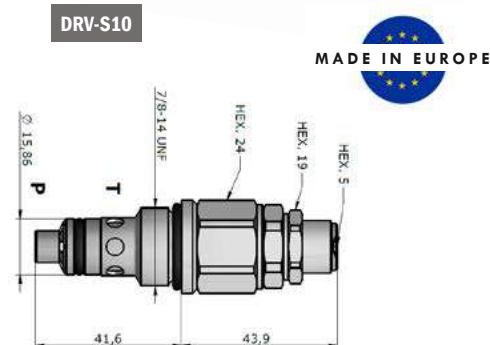
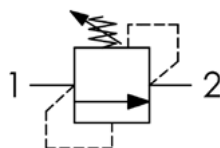
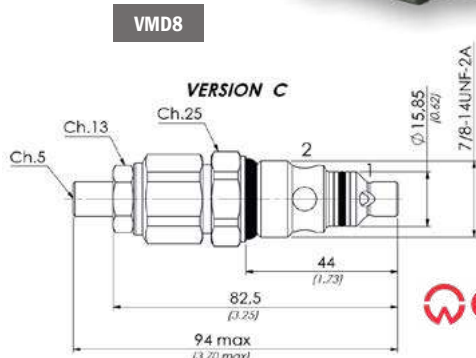


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TECH DATA

Cartridge Relief Valve SAE 10-2 Cavity

Part #	List Price \$	Max Pressure	Max Flow	Pressure Adjustment Range	Relief Type
VMD8-C1	88.00	350 bar	40 L/min	10-90 bar	Direct acting
VMD8-C2	88.00	350 bar	40 L/min	20-210 bar	Direct acting
VMD8-C3	88.00	350 bar	40 L/min	70-350 bar	Direct acting
DRV-S10-02-110-N-H	159.00	350 bar	80 L/min	5-110 bar	Direct acting
DRV-S10-02-240-N-H	159.00	350 bar	80 L/min	10-240 bar	Direct acting
DRV-S10-02-350-N-H	159.00	350 bar	80 L/min	50-350 bar	Direct acting
CPS-10	64.00	Steel cavity blanking plug			



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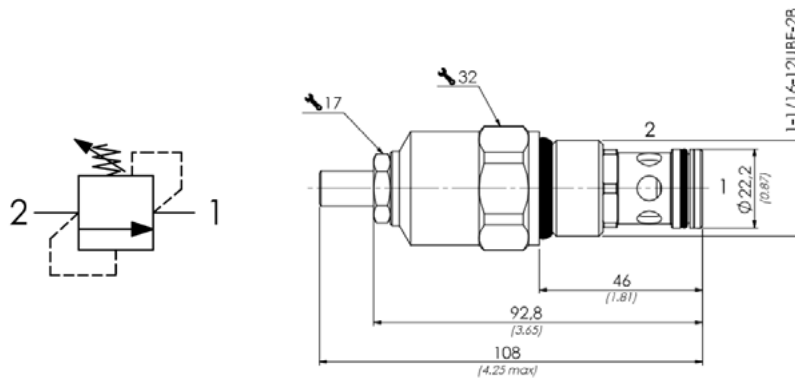
TECH DATA

Cartridge Relief Valve SAE 12-2 Cavity

Part #	List Price \$	Max Pressure	Max Flow	Pressure Adjustment Range	Relief Type
VMD160-C1	158.00	380 bar	160 L/min	10-120 bar	Direct acting differential
VMD160-C2	158.00	380 bar	160 L/min	100-250 bar	Direct acting differential
VMD160-C3	196.00	380 bar	160 L/min	190-350 bar	Direct acting differential
81300095	7.00	Tamper proof cap			
81300127	15.00	Hand knob			

Pay attention to flow direction!

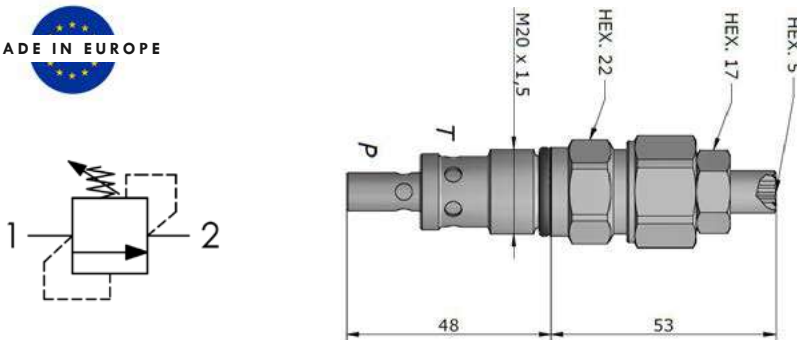
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TECH DATA

Cartridge Relief Valve M20 Cavity

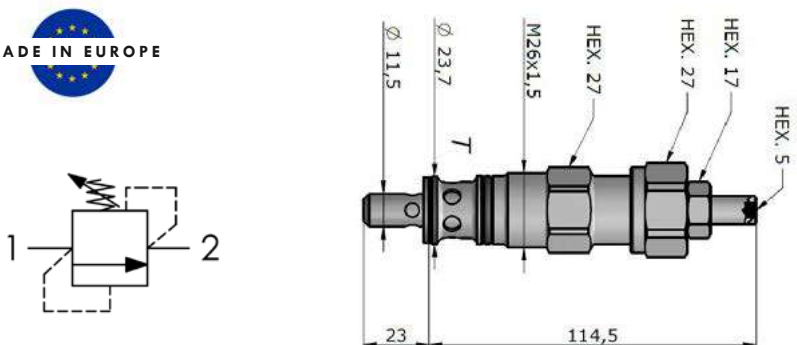
Part #	List Price \$	Max Pressure	Max Flow	Pressure Adjustment Range	Relief Type
DRV-M20-02-055-N-H	120.00	420 bar	30 L/min	5-55 bar	Direct acting
DRV-M20-02-110-N-H	120.00	420 bar	30 L/min	25-110 bar	Direct acting
DRV-M20-02-215-N-H	120.00	420 bar	30 L/min	50-215 bar	Direct acting
DRV-M20-02-350-N-H	120.00	420 bar	30 L/min	100-350 bar	Direct acting
CPS-M20	29.00	Steel cavity blanking plug			



TECH DATA

Cartridge Relief Valve M26 Cavity

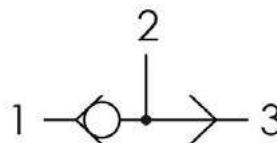
Part #	List Price \$	Max Pressure	Max Flow	Pressure Adjustment Range	Relief Type
DRV-M26-01-055-N-H	159.00	250 bar	80 L/min	5-55 bar	Direct acting
DRV-M26-01-110-N-H	159.00	250 bar	80 L/min	25-110 bar	Direct acting
DRV-M26-01-250-N-H	159.00	250 bar	80 L/min	75-250 bar	Direct acting
CPS-M26	39.00	Steel cavity blanking plug			



TECH DATA

Cartridge Load Shuttle Valve

Part #	List Price \$	Cavity	Max Flow	Max Pressure
SV08	66.00	SAE 08-3	15 L/min	350 bar
SV10	72.00	SAE 10-3	30 L/min	350 bar

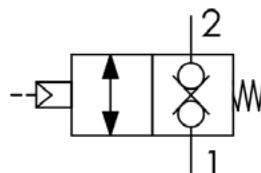


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TECH DATA

Pneumatic Pilot Valve

Part #	List Price \$	Cavity	Max Flow	Pilot Pressure	Max Pressure
VPN6	210.00	SAE 08-2	30 L/min	4-15 bar	350 bar

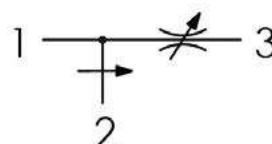


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TECH DATA

Priority Flow Control Cartridge Valve Pressure Compensated

Part #	List Price \$	Cavity	Max Flow	Regulated Max Flow	Max Pressure
CP10	411.00	SAE 10-3	50 L/min	30 L/min	350 bar

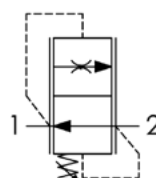


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TECH DATA

Flow Control Cartridge Valve Pressure Compensated

Part #	List Price \$	Cavity	Controlled Flow		Max Pressure
			Min	Max	
VCF63C	104.00	SAE 08-2	1.3 L/min	5.1 L/min	350 bar
VCF65C	104.00	SAE 08-2	2.6 L/min	9.1 L/min	350 bar
VCF67C	104.00	SAE 08-2	7.2 L/min	18.0 L/min	350 bar
12000354	21.00	Hand knob adjustment for VCF6			



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TECH DATA

Bidirectional Flow Control Cartridge

Part #	List Price \$	Cavity	Max Flow	Max Pressure
VBF6C	59.00	SAE 08-2	30 L/min	350 bar
VBF6V	72.00	SAE 08-2	30 L/min	350 bar

VBF6C



VBF6V



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TECH DATA

Single Acting Pilot Operated Check Valve Cartridge

Part #	List Price \$	Cavity	Max Flow	Max Pressure	Pilot Ratio
VPR08	104.00	SAE 08-3	15 L/min	350 bar	1:2.5
VPR10	111.00	SAE 10-3	30 L/min	350 bar	1:2.5



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TECH DATA

Cartridge Check Valve

Part #	List Price \$	Cavity	Cracking Pressure	Max Flow	Max Pressure
CUR6SP1	50.00	SAE 08-2	1 bar	25 L/min	350 bar
CUR6SP3	53.00	SAE 08-2	3 bar	25 L/min	350 bar
CUR6SP45	53.00	SAE 08-2	4.5 bar	25 L/min	350 bar

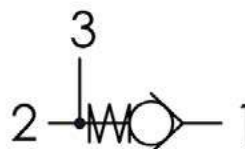


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TECH DATA

Pilot Cartridge Check Valve w/ Auxiliary Port

Part #	List Price \$	Cavity	Cracking Pressure	Auxiliary Port	Max Flow	Max Pressure
CUR6SP1M	53.00	SAE 08-2	1 bar	1/4" BSPP	25 L/min	350 bar



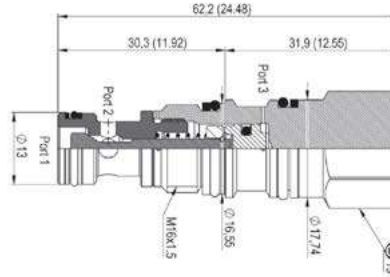
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TECH DATA

Pilot Check Valve Internal Pilot T-163-A Cartridge Valves

Part #	List Price \$	Cavity	Max Flow	Max Pressure	Cracking Pressure	Pilot Ratio
P0163S-023PS	122.00	T-163-A	30 L/min	350 bar	2 bar	3:1

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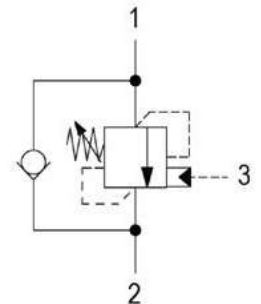
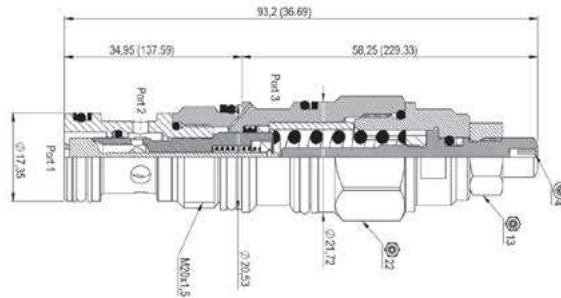


TECH DATA

Counter Balance Valve Internal Vent T-11A Cartridge Valve

Part #	List Price \$	Cavity	Max Flow	Max Pressure	Pressure Range	Pilot Ratio	Valve Preset
OW11AS-013PS	238.00	T-11A	60 L/min	350 bar	70-280 bar	3:1	210 bar

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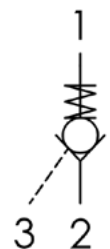
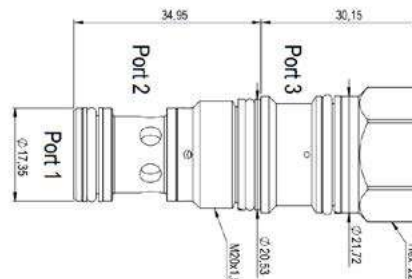


TECH DATA

Pilot Check Valve Internal Pilot T-11A Cartridge Valve

Part #	List Price \$	Cavity	Max Flow	Max Pressure	Cracking Pressure	Pilot Ratio	Piston Seal
P011AS-023GPS	149.00	T-11A	60 L/min	350 bar	2 bar	3:1	Yes

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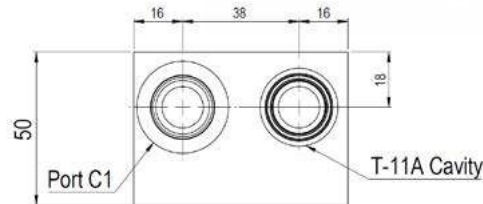
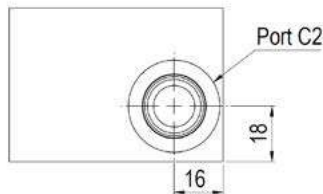
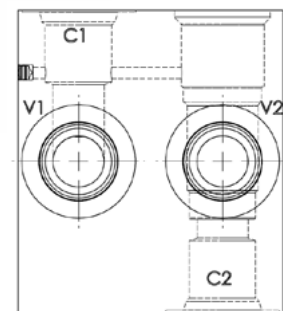
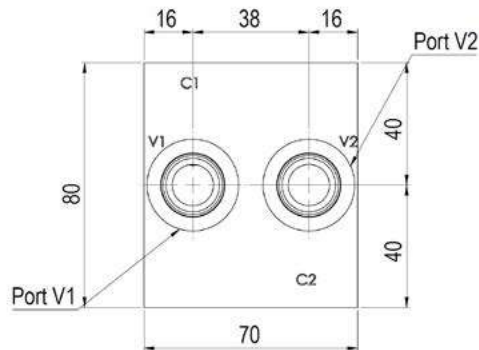
TECH DATA

Single Cartridge Manifold

Part #	List Price \$	Cavity	Ports	Max Flow Rate	Max Pressure	Material
9COR08S08201	194.00	1 x T-11A	3/4" UNO	60 L/min	210 bar	Aluminium
9COR08S08101	215.00	1 x T-11A	3/4" UNO	60 L/min	350 bar	Steel

NEW

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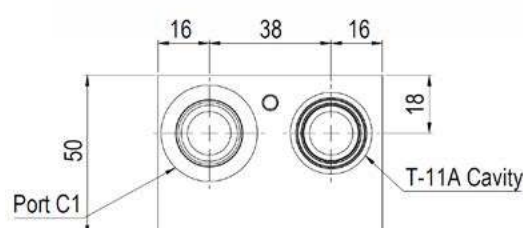
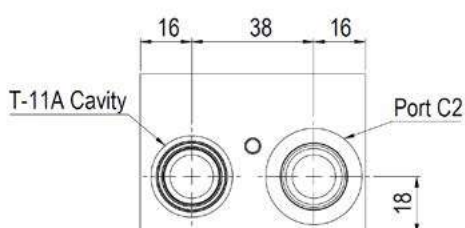
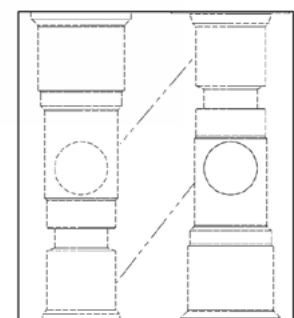
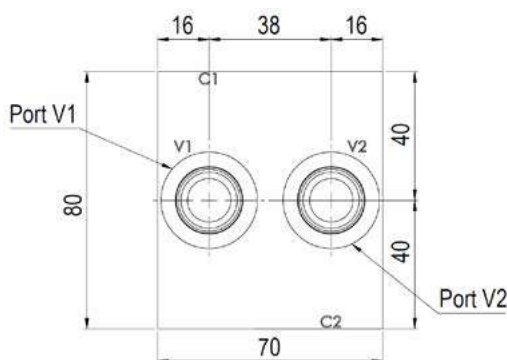
TECH DATA

Dual Cartridge Manifold

Part #	List Price \$	Cavity	Ports	Max Flow Rate	Max Pressure	Material
9COR08S08200	201.00	2 x T11A	3/4" UNO	60 L/min	210 bar	Aluminium
9COR08S08102	222.00	2 x T11A	3/4" UNO	60 L/min	350 bar	Steel

NEW

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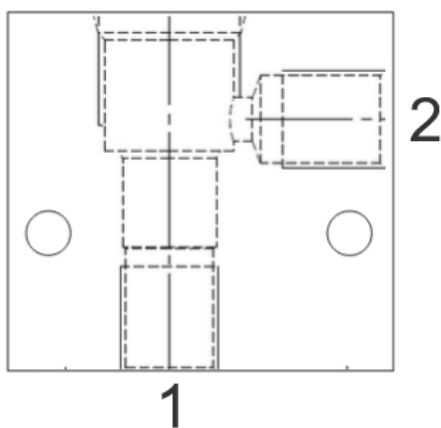


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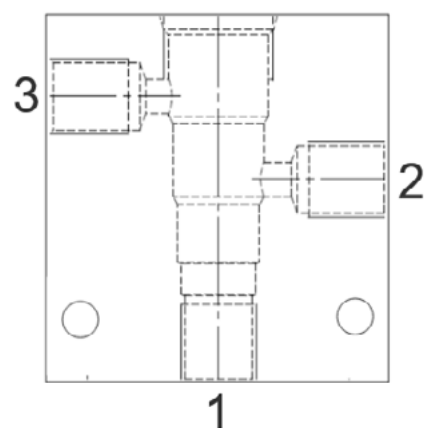
Cartridge Manifold

Part #	List Price \$	Cavity	Ports	Max Pressure	Material
62200357	74.00	SAE 08-3	1/4" BSPP	210 bar	Aluminium
62200358	77.00	SAE 08-3	3/8" BSPP	210 bar	Aluminium
62200032	74.00	SAE 08-2	1/4" BSPP	350 bar	Steel
62200051	76.00	SAE 08-2	3/8" BSPP	350 bar	Steel
62200373	119.00	SAE 10-3	3/8" BSPP	210 bar	Aluminium
62200374	132.00	SAE 10-3	1/2" BSPP	210 bar	Aluminium
62200451	166.00	SAE 10-2	3/8" BSPP	350 bar	Steel
62200452	166.00	SAE 10-2	1/2" BSPP	350 bar	Steel
62200419	222.00	SAE 12-2	3/4" BSPP	350 bar	Steel
62200420	319.00	SAE 12-2	1" BSPP	350 bar	Steel

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2 PORT



3 PORT

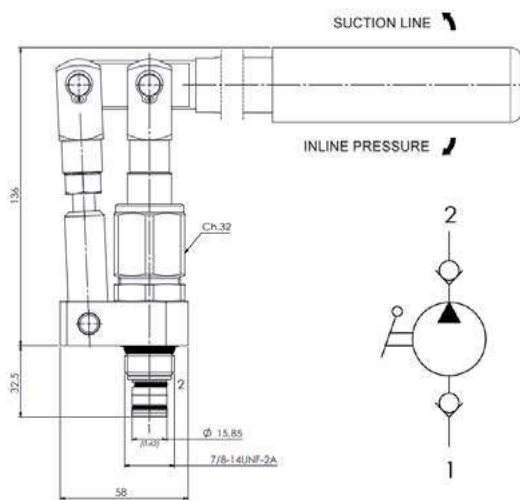
TECH DATA

Cartridge Hand Pump

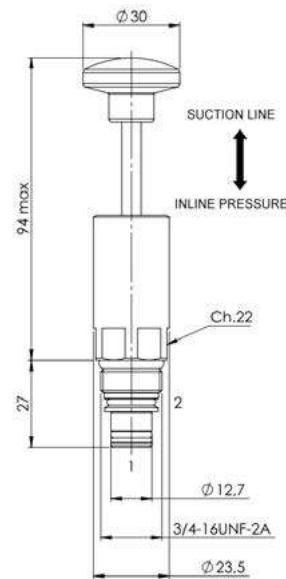
Part #	List Price \$	Handle Style	Cavity	Displacement	Max Pressure
PME10	412.00	Lever	SAE10-2	10 cc	200 bar
PME5P	170.00	Push knob	SAE08-2	1 cc	50 bar

 PME10 is supplied with 500mm lever

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PME10



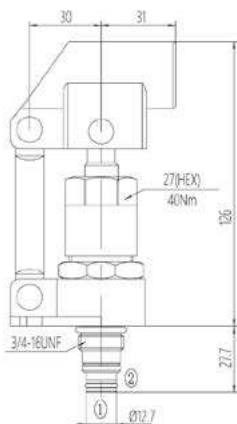
PME5P

TECH DATA

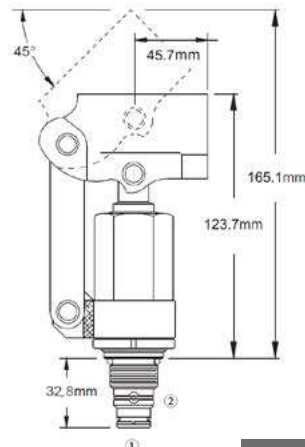
Cartridge Hand Pump

Part #	List Price \$	Displacement	Max Pressure	Cavity	
CHP08-3	317.00	5 cc	210 bar	SAE08-2	NEW
CHP10-4	446.00	4 cc	210 bar	SAE10-2	NEW

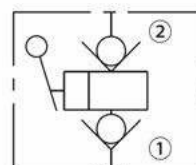
MOCEN



CHP08



CHP10



TECH
DATA

Inline Cartridge Hand Pump

Part #	List Price \$	Displacement	Max Pressure	Cavity
PME6L	132.00	2 cc	200 bar	SAE08-2
62200023	120.00	Manifold to suit PME06L - 1/4" BSPP ports, 200 bar max pressure		

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