

Cetop Products

Directional Valves

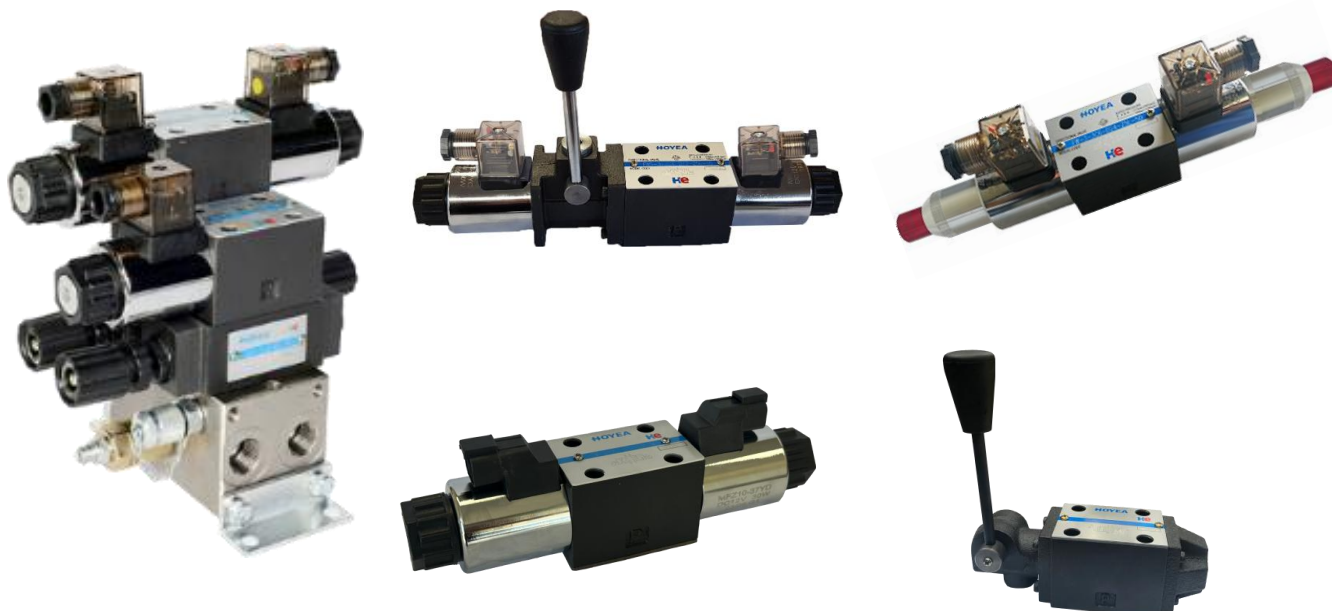
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Directional Valves

Specification

Valve Size		Cetop 3		Cetop 5	
Working Pressure (bar)	Ports P, A, B	FW & FWS - 350 FS - 315		315	
	Port T	100		100	
Max Flow <i>(depends on spool)</i>	L/min	80		120	
Fluid Temp. (°C)	- 20 ~ +70				
Working Voltage	DC	12	24	36	48
	AC	110V/50Hz		220 V/50Hz	
Max. Switch Frequency (T/h)		15000 (DC)		7200 (AC)	
Protection: IP65					



Order Code

F* - * - * - *** - *** - *** - **** - * - 50**

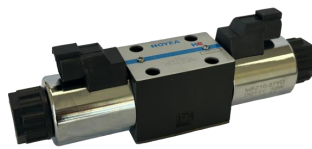
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- | | |
|---|---|
| <p>① Control Type
FW = Solenoid
FS = Lever
FWS = Solenoid / Lever</p> <p>② Valve Size:
3 = Cetop 3 (NG6)
5 = Cetop 5 (NG10)</p> <p>③ Spool Type & Spring Arrangement</p> <p>④ Coil Voltage:
D12 = 12V DC
D24 = 24V DC
D36 = 36V DC
D48 = 48V DC
R110 = 110V AC (Rectifier in coil)
R220 = 220V AC (Rectifier in coil)</p> | <p>⑤ Coil Connector:
Z5L = DIN Light Plug (standard)
Z6 = Wire Box (Is not stocked and available as indent to customer order)
K40 = Deutsch Connector (D12 & D24 Only)
<i>(Coils Stocked – Valves available via conversion – FW-3 only)</i></p> <p>⑥ Manual Override Option:
Omit = Plain override(s) on solenoid end(s) only
<i>(No override on non-solenoid end of single solenoid valves)</i>
LMO = Locking Manual Override
N9 = Extended Push Pin with M5 male thread</p> <p>⑦ N9 Options:
Omit = M5 male thread only
RB = Red Ball
RC = Rubber Cap (Cetop 3 only)</p> <p>⑧ Seal Material:
Omit = NBR (Standard)
V = FPM (Is not stocked and available as indent to customer order)</p> <p>⑨ Design Number</p> |
|---|---|

Spool Description

Basic Symbol	Transient Condition	Spool Code	Description of Spool Function
		3C2	Closed centre spool. Commonly Called a Cylinder spool. All ports blocked in the centre position and during crossover.
		3C3	Open centre spool. All ports connected in the centre position and during crossover. Minimises shock during crossover.
		3C4	Commonly called a Motor spool. Pressure port blocked. Both A & B ports connected to tank.
		3C6	Tandem centre spool with open crossover. During transition from centre to offset position, all ports are interconnected to minimise shock in the system.

FW Solenoid Stock Valves


FW-3-*-***-Z5L-50**

FW-3-*-D**-K40-50**

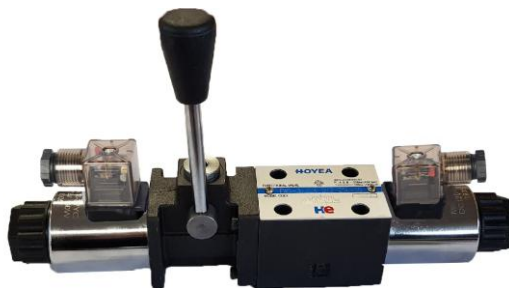
FW-3-*-***-Z5L-LMO-50**

Order Code	Basic Symbol A B b a P T	Transient Condition A B b a P T	List Each
FW-3-2B2-***-Z5L-50			\$202.00
FW-5-2B2-***-Z5L-50			\$309.00
FW-3-2B3-***-Z5L-50			\$202.00
FW-5-2B3-***-Z5L-50			\$309.00
Order Code	Basic Symbol A B b 0 P T	Transient Condition A B b 0 P T	List Each
FW-3-2B3B-***-Z5L-50			\$202.00
FW-5-2B3B-***-Z5L-50			\$309.00
FW-3-2B4B-***-Z5L-50			\$202.00
FW-5-2B4B-***-Z5L-50			\$309.00
FW-3-2B6B-***-Z5L-50			\$202.00
FW-5-2B6B-***-Z5L-50			\$309.00
Order Code	Basic Symbol A B a b a P T	Transient Condition A B b a P T	List Each
FW-3-2D2-***-Z5L-50			\$261.00
FW-5-2D2-***-Z5L-50			\$412.00
FW-3-2D3-***-Z5L-50			\$261.00
FW-5-2D3-***-Z5L-50			\$412.00
Order Code	Basic Symbol A B a b 0 a P T	Transient Condition A B b 0 a P T	List Each
FW-3-3C2-***-Z5L-50			\$261.00
FW-5-3C2-***-Z5L-50			\$412.00
FW-3-3C3-***-Z5L-50			\$261.00
FW-5-3C3-***-Z5L-50			\$412.00
FW-3-3C4-***-Z5L-50			\$261.00
FW-5-3C4-***-Z5L-50			\$412.00
FW-3-3C6-***-Z5L-50			\$261.00
FW-5-3C6-***-Z5L-50			\$412.00
FW-3-3C2-***-Z5L-N9-RBRC-50			\$295.00

Note:

- Valves supplied with DIN Light Plug(s) (Code Z5L) & Bolt Kit (Bolt Kit for valve only, not for valve with modules). See [Page 5.35](#) (Cetop 3) & [Page 5.36](#) (Cetop 5).
- Deutsch Connector Coil (Code K40) add \$20.00 per coil. Price includes Deutsch Plug. Note: FW-3 valves only.

FWS Solenoid / Lever Stock Valves



Order Code	Basic Symbol A B b a P T	Transient Condition A B b a P T	List Each
FWS-3-2B2- *** -Z5L-50			\$342.00
FWS-3-2B3- *** -Z5L-50			
Order Code	Basic Symbol A B b 0 P T	Transient Condition A B b 0 P T	List Each
FWS-3-2B3B- *** -Z5L-50			\$342.00
Order Code	Basic Symbol A B b 0 a P T	Transient Condition A B b 0 a P T	List Each
FWS-3-3C2- *** -Z5L-50			\$395.00
FWS-3-3C3- *** -Z5L-50			
FWS-3-3C4- *** -Z5L-50			
FWS-3-3C6- *** -Z5L-50			

Note:

- Valves supplied with DIN Light Plug(s) (Code Z5L) & Bolt Kit (Bolt Kit for valve only, not for valve with modules). See [Page 5.35](#).
- Deutsch Connector Coil (Code K40) add \$20.00 per coil. Price includes Deutsch Plug.
- FWS-5-***-***-Z5L-50 is not stocked and available as indent to customer order.

FW & FWS Spool Types & Spring Arrangements

3C2		2B2B		2B2BL	
3C3		2B3B		2B3BL	
3C4		2B4B		2B4BL	
3C5		2B5B		2B5BL	
3C6		2B6B		2B6BL	
3C7		2B7B		2B7BL	
3C9		2B9B		2B9BL	
3C10		2B10B		2B10BL	
3C11		2B11B		2B11BL	
3C12		2B12B		2B12BL	
3C25		2B25B		2B25BL	
3C29		2B29B		2B29BL	

2B2	
2B3	
2B8	

2B2L	
2B3L	
2B8L	

With detent

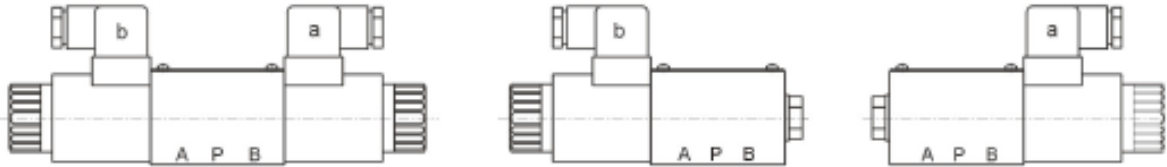
	2D2
	2D3
	2D8

No spring return and no mechanical positioning

	2N2
	2N3
	2N8

Note: *D* (No spring return mechanical positioning)
solenoid directional control valve should be installed horizontally.

Solenoids Identified to U.S. Standards



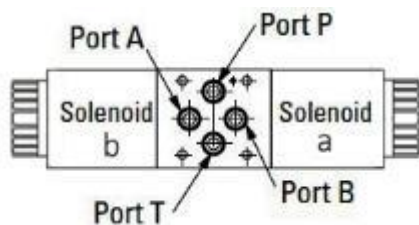
Hoyea **Spool Types & Spring Arrangements** relate to solenoid identity “a” and/or “b” according to NFPA/ANSI (U.S.) standards. Energising solenoid “a” gives flow P to A, energising solenoid “b” gives flow P to B except for the spools below, see **Note**. European Standard is reversed, energising solenoid “a” gives flow P to B, energising solenoid “b” gives flow P to A, see below. The valve spool function schematics apply to both NFPA/ANSI (U.S.) and European valves, they are not reversed.

Note: Oil flow is in the opposite direction for the spools below.

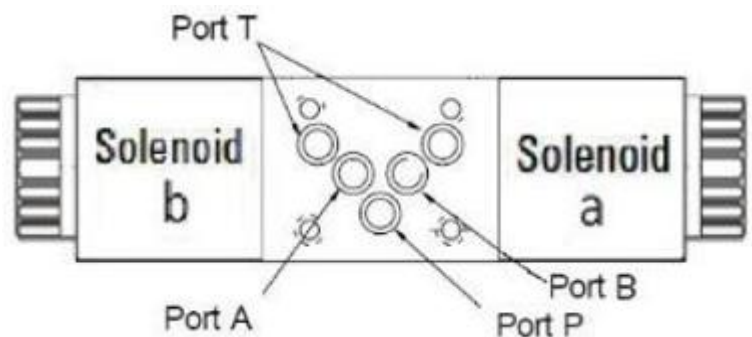
Energising solenoid “a” gives flow P to B, energising solenoid “b” gives flow P to A.

European Standard is reversed, energising solenoid “a” gives flow P to A, energising solenoid “b” gives flow P to B.

- 3C5
- 3C6
- 3C25
- 2B5B
- 2B5BL
- 2B6B
- 2B6BL
- 2B25B
- 2B25BL



Cetop 3 (NG6)



Cetop 5 (NG10)

	NFPA/ANSI (U.S.) Standard	European Standard
Double solenoid valves, two position, detented		
Double solenoid valves, spring centered		
Single solenoid valves, solenoid at port A end		
Single solenoid valves, solenoid at port B end		

T = Transient Condition

FS Lever Stock Valves

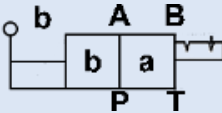
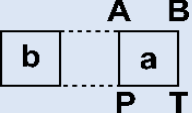
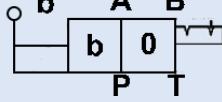
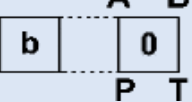
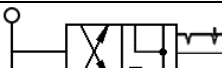
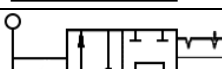
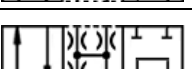
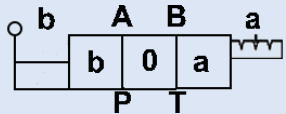
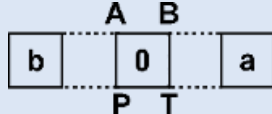
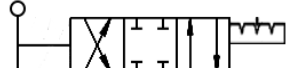
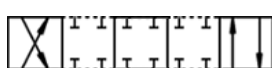
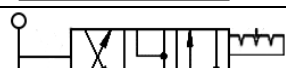
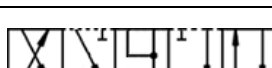


Order Code	Basic Symbol 	Transient Condition 	List Each
FS-3-2B2-50			\$250.00
FS-3-2B3-50			
Order Code	Basic Symbol 	Transient Condition 	List Each
FS-3-2B2B-50			\$250.00
FS-3-2B3B-50			
FS-3-2B4B-50			
FS-3-2B6B-50			
Order Code	Basic Symbol 	Transient Condition 	List Each
FS-3-3C2-50			\$250.00
FS-3-3C3-50			
FS-3-3C4-50			
FS-3-3C6-50			

Note:

- Valves supplied with Bolt Kit (Bolt Kit for valve only, not for valve with modules). See [Page 5.35](#).
- FS-5-***-50 is not stocked and available as indent to customer order.

Continued Next Page

Order Code	Basic Symbol 	Transient Condition 	List Each
FS-3-2B2-OF-50			\$261.00
FS-3-2B3-OF-50			
Order Code	Basic Symbol 	Transient Condition 	List Each
FS-3-2B2B-OF-50			\$261.00
FS-3-2B3B-OF-50			
FS-3-2B4B-OF-50			
FS-3-2B6B-OF-50			
Order Code	Basic Symbol 	Transient Condition 	List Each
FS-3-3C2-OF-50			\$261.00
FS-3-3C3-OF-50			
FS-3-3C4-OF-50			
FS-3-3C6-OF-50			

Note:

- Valves supplied with Bolt Kit (Bolt Kit for valve only, not for valve with modules). See [Page 5.35](#).
- FS-5-***-OF-50 is not stocked and available as indent to customer order.

Coils, Accessories & Spare Parts


DIN Coil

Deutsch Coil

**Locking Manual
Override**

**FS & FWS
Handle**

Rubber Cap

Red Ball

Core Tube with N9

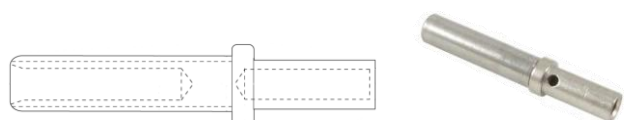
Cetop 3 (NG6)			
Order Code	Description	Coil Dimensions	List Each
FW-3-D12-Z5L-50	12V/30W DC DIN Coil (DIN Light Plug included)	23 ID x 45 OD x 51 L	\$60.00
FW-3-D24-Z5L-50	24V/30W DC DIN Coil (DIN Light Plug included)		\$60.00
FW-3-D36-Z5L-50	36V/30W DC DIN Coil (DIN Light Plug included)		\$60.00
FW-3-D48-Z5L-50	48V/30W DC DIN Coil (DIN Light Plug included)		\$60.00
FW-3-R110-Z5L-50	110V/30W AC Rectified DIN Coil (DIN Light Plug included)		\$60.00
FW-3-R220-Z5L-50	220V /30W AC Rectified DIN Coil (DIN Light Plug included)		\$60.00
FW-3-D12-K40-50	12V/30W DC Deutsch Coil (Deutsch Plug included)		\$80.00
FW-3-D24-K40-50	24V/30W DC Deutsch Coil (Deutsch Plug included)		\$80.00
FW-3-DC-CT-50	DC Core Tube		\$35.00
FW-3-DC-CT-N9-50	DC Core Tube with N9 Manual Override – M5 Male Thread		\$42.00
FW-3-DC-LMO-50	DC Locking Manual Override		\$35.00
FW-3-DC-NUT-50	DC Coil / Core Tube Nut (M22 x 1.5)		\$6.00
FW-3-EP-50	End Plug		\$15.00
FW-RB	Red Ball		\$7.00
FW-3-RC-50	Rubber Cap (no manual override) - use with FW-3-DC-CT-N9-50		\$6.00
FS-3-HM	Handle & Screw (Ø 6.0 mm machined down to 5.0 mm at valve end x 120 mm LOA)		\$19.00
FWS-3-HM	Handle (M6 - 1.0 x 114 mm LOA)		\$19.00

Cetop 5 (NG 10)			
Order Code	Description	Coil Dimensions	List Each
FW-5-D12-Z5L-50	12V/36W DC DIN Coil (DIN Light Plug included)	31.0 ID x 63 OD x 75 L	\$118.00
FW-5-D24-Z5L-50	24V/36W DC DIN Coil (DIN Light Plug included)		\$118.00
FW-5-D36-Z5L-50	36V/36W DC DIN Coil (DIN Light Plug included)		\$118.00
FW-5-D48-Z5L-50	48V/36W DC DIN Coil (DIN Light Plug included)		\$118.00
FW-5-R110-Z5L-50	110V/36W AC Rectified DIN Coil (DIN Light Plug included)		\$118.00
FW-5-R220-Z5L-50	220V/36W AC Rectified DIN Coil (DIN Light Plug included)		\$118.00
FW-5-DC-CT-50	DC Core Tube (M30 x 1.5)		\$56.00
FW-5-DC-CT-N9-50	DC Core Tube with N9 Manual Override - M5 Male Thread		\$84.00
FW-5-DC-LMO-50	DC Locking Manual Override (M30 x 1.5)	31.5 ID x 63 OD x 75 L	\$61.00
FW-5-DC-NUT-50	DC Coil / Core Tube Nut (M30 x 1.5)		\$8.00
FW-RB	Red Ball - use with FW-5-DC-CT-N9-50		\$7.00
FW-5-D12-Z5L-51	12V/36W DC DIN Coil (DIN Light Plug included)		\$118.00
FW-5-D24-Z5L-51	24V/36W DC DIN Coil (DIN Light Plug included)		\$118.00
FW-5-DC-CT-51	DC Core Tube (M16 x 1.5)		\$56.00
FW-5-DC-NUT-51	DC Coil / Core Tube Nut (M16 x 1.5)		\$8.00
FW-5-EP-50	End Plug (Use with either 50 or 51 Design Valves)		\$22.00

DIN & Deutsch Plugs

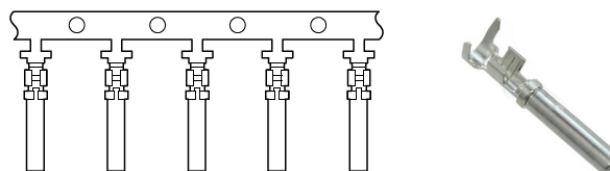


Order Code	Voltage	Description	List Each
C01010001-N	DC	DIN Light Plug - DC	\$16.00
C01010004-N	AC	DIN Light Plug - AC	
DT06-2S-0462	DC	Deutsch Plug - Male (Includes 2 pcs Solid Socket)	\$15.00
0462-209-16141x10	N/A	Deutsch Plug Solid Socket (Female Pins) - Pack of 10 pcs (Spare Parts)	\$50.00



Solid Socket

(Manufactured by a cold heading process of solid copper alloys or machined. Better for vibration.)

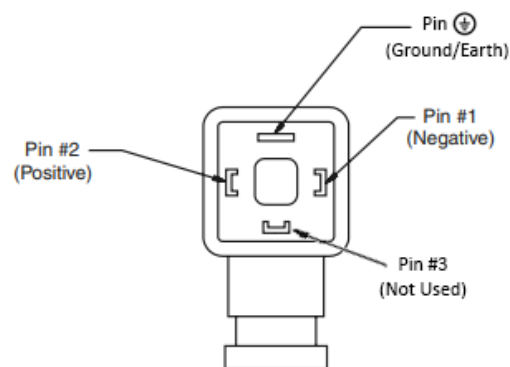


Stamped & Formed Sockets

(Stamped out of a sheet of flat metal and then formed to the required shape. Lower cost.)

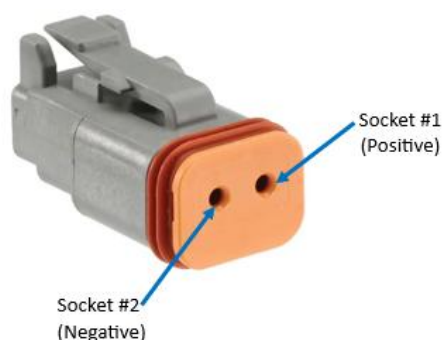
DIN Plug Wiring Information

Note: For AC Voltage Pin Ⓢ (Ground/Earth) must be connected.
Not required for DC Voltage.



Face View of Plug

Deutsch Plug Wiring Information



Modules

Mounting Information

With modular valves circuits are easily built by stacking them between the directional control valve and the subplate or manifold. No piping is required which saves and reduces the time and work required to build the circuit. This saves money and there are no hose or pipework connections to leak. The circuit can be easily changed by adding or removing modules as required.

The selection of modular valves, to suit a particular function or hydraulic circuit are made in the same way as conventional valves, taking into account the flow and pressure of each valve to be used.

Note:

- Maximum flow and pressure of stack is limited to lowest flow or pressure of a module or the directional valve.
- The minimum pressure setting for DY Pressure Relief Valve and DYJ Pressure Reducing Valve is dependent on the flow, the lower the flow the lower the possible pressure setting. It also depends on the tank line back pressure and this should include the value of the T-line pressure drop characteristics of the valves stacked to the base plate side of the modular valve.

When installing a number of modular valves together the order in which they are stacked can affect their performance. The following information is intended as a guide only. As every hydraulic system is unique it is the user's responsibility to determine what is appropriate for the application.

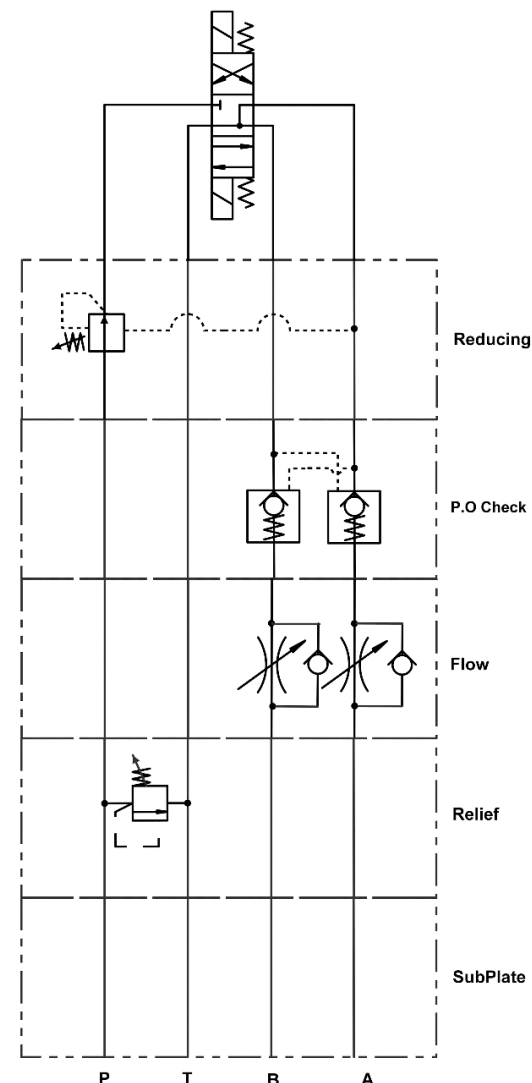
General Rules

Function in P or T Line:

- Relief valves generally should be stacked closest to the subplate or manifold.
- Reducing valves should be stacked between the relief and directional control valve.
- Direct check valves should be stacked closest to the directional control valve.

Function in A & B Lines:

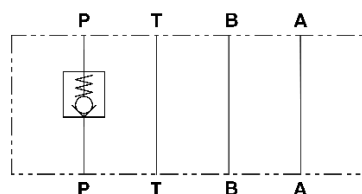
- When using a pilot operated check valve module use a meter-out flow control module stacked closest to the subplate or manifold. This prevents back pressure on the pilot operated check valve outlet which increases the pilot pressure required to open the valve and this can cause check valve chatter.
- When using a line mounted pilot operated check valve use a meter-in flow control module.
- When using a counterbalance valve module use a meter-out flow control module stacked closest to the subplate or manifold. This improves system stability by reducing the metering required by the counterbalance valve.
- When using a line mounted non-vented counterbalance valve mount it closest to the actuator and use a meter-in flow control module.



Check Valves



(Port P)

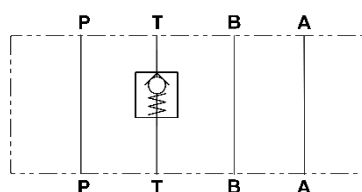


Cetop 3 (NG06)					
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DA-3-P-0.5-70	40	315	0.5	40	\$149.00
DA-3-P-4.0-70			4.0		

Cetop 5 (NG10)					
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DA-5-P-0.5-70	100	315	0.5	55	\$227.00
DA-5-P-4.0-70			4.0		



(Port T)



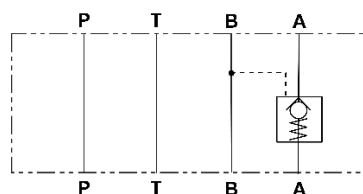
Cetop 3 (NG06)					
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DA-3-T-0.5-70	40	315	0.5	40	\$149.00
DA-3-T-4.0-70			4.0		

Cetop 5 (NG10)					
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DA-5-T-0.5-70	100	315	0.5	55	\$227.00
DA-5-T-4.0-70			4.0		

Pilot Operated Check Valves



(Port A)



Cetop 3 (NG6)

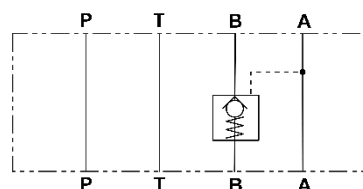
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Pilot Ratio	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DAY-3-A-4.0-50	60	315	2.9 : 1	4.0	40	\$187.00

Cetop 5 (NG10)

Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Pilot Ratio	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DAY-5-A-4.0-50	100	315	10.7 : 1	4.0	50	\$285.00



(Port B)



Cetop 3 (NG6)

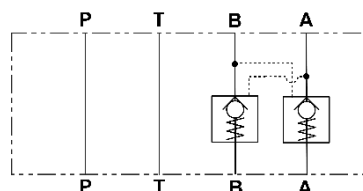
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Pilot Ratio	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DAY-3-B-4.0-50	60	315	2.9 : 1	4.0	40	\$187.00

Cetop 5 (NG10)

Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Pilot Ratio	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DAY-5-B-4.0-50	100	315	10.7 : 1	4.0	50	\$285.00



(Port A & B)



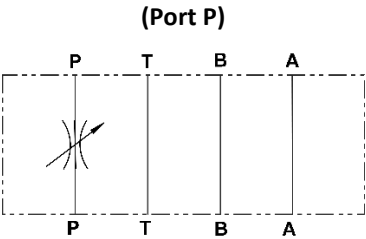
Cetop 3 (NG6)

Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Pilot Ratio	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DAY-3-W-4.0-50	60	315	2.9 : 1	4.0	40	\$193.00

Cetop 5 (NG10)

Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Pilot Ratio	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DAY-5-W-4.0-50	100	315	10.7 : 1	4.0	50	\$297.00

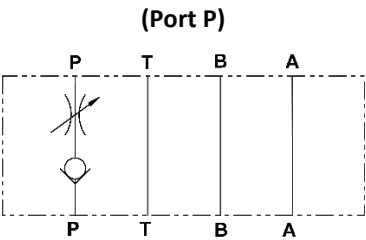
Needle Valves



Cetop 3 (NG6)				
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Thickness (mm)	List Each
DL-3-P-70	30	315	40	\$204.00

Cetop 5 (NG10)				
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Thickness (mm)	List Each
DL-5-P-70	50	315	55	\$285.00

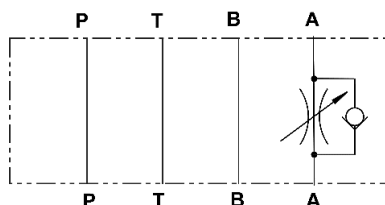
Needle & Check Valve



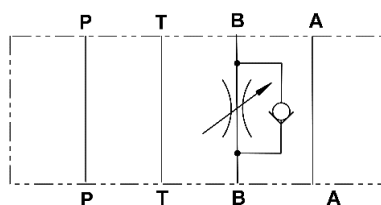
Cetop 3 (NG6)					
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DAL-3-P-70	30	315	0.5	40	\$211.00

Flow Control Valves

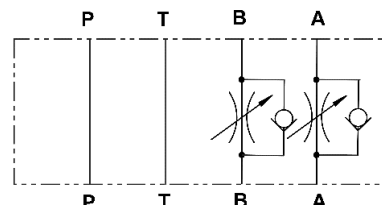
(Meter IN)



A Pipeline



B Pipeline

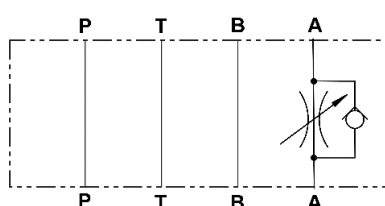


W Pipeline

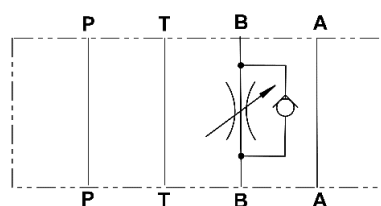
Cetop 3 (NG06)					
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DLA-3-A-MI-70	30	315	0.5	40	\$187.00
DLA-3-B-MI-70					\$193.00
DLA-3-W-MI-70					

Cetop 5 (NG10)					
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DLA-5-A-MI-70	50	315	0.5	55	\$194.00
DLA-5-B-MI-70					\$272.00
DLA-5-W-MI-70					

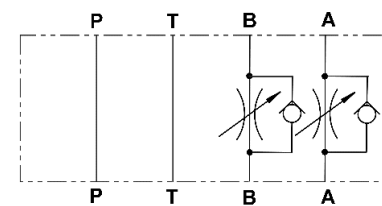
(Meter OUT)



A Pipeline



B Pipeline

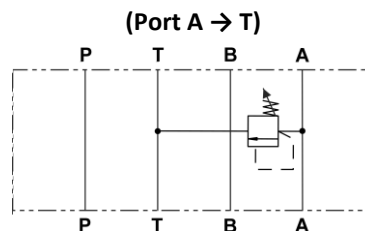


W Pipeline

Cetop 3 (NG06)					
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DLA-3-A-MO-70	30	315	0.5	40	\$187.00
DLA-3-B-MO-70					\$193.00
DLA-3-W-MO-70					

Cetop 5 (NG10)					
Order Code	Max. Flow (L/min)	Max. Pressure (bar)	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
DLA-5-A-MO-70	50	315	0.5	55	\$194.00
DLA-5-B-MO-70					\$272.00
DLA-5-W-MO-70					

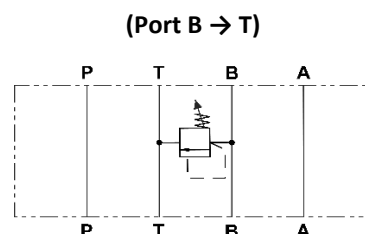
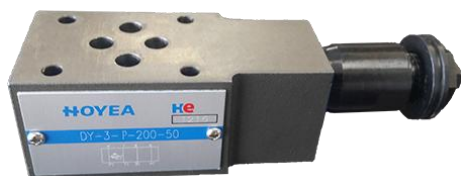
Pressure Relief Valves (Pilot Operated)



Cetop 3 (NG6) (50 Design)					
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	List Each
DY-3-A-50-50	35	50	315	40	\$216.00
DY-3-A-100-50		100			
DY-3-A-200-50		200			
DY-3-A-315-50		315			

Cetop 5 (NG10)					
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	List Each
DY-5-A-70-70	70	70	315	55	\$261.00
DY-5-A-140-70		140			
DY-5-A-210-70		210			
DY-5-A-315-70		315			

Note: After factory testing Adjustable Pressure is set at minimum which is approximately 8 bar, it is dependent on the tank line back pressure.



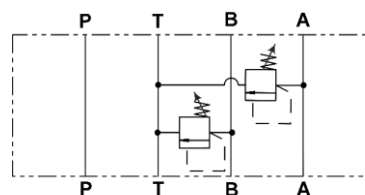
Cetop 3 (NG6) (50 Design)					
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	List Each
DY-3-B-50-50	35	50	315	40	\$216.00
DY-3-B-100-50		100			
DY-3-B-200-50		200			
DY-3-B-315-50		315			

Cetop 5 (NG10)					
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	List Each
DY-5-B-70-70	70	70	315	55	\$261.00
DY-5-B-140-70		140			
DY-5-B-210-70		210			
DY-5-B-315-70		315			

Note: After factory testing Adjustable Pressure is set at minimum which is approximately 8 bar, it is dependent on the tank line back pressure.

Continued Next Page

(Port A → T & B → T)

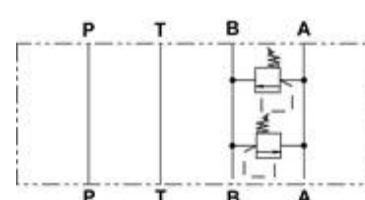


Cetop 3 (NG6) (50 Design)					
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	List Each
DY-3-C-50-50	35	50	315	40	\$261.00
DY-3-C-100-50		100			
DY-3-C-200-50		200			
DY-3-C-315-50		315			

Cetop 5 (NG10)					
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	List Each
DY-5-W-70-70	70	70	315	55	\$309.00
DY-5-W-140-70		140			
DY-5-W-210-70		210			
DY-5-W-315-70		315			

Note: After factory testing Adjustable Pressure is set at minimum which is approximately 8 bar, it is dependent on the tank line back pressure.

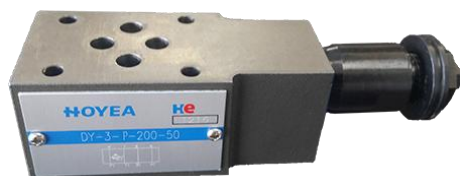
(Port A → B & B → A)



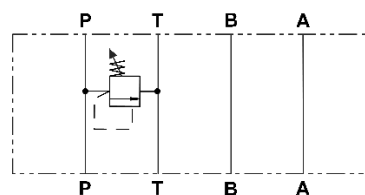
Cetop 3 (NG6)					
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	List Each
DY-3-D-50-50	35	50	315	40	\$261.00
DY-3-D-100-50		100			
DY-3-D-200-50		200			
DY-3-D-315-50		315			

Note: After factory testing Adjustable Pressure is set at minimum which is approximately 8 bar, it is dependent on the tank line back pressure.

Continued Next Page



(Port P → T)



Cetop 3 (NG6)					
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	List Each
DY-3-P-50-50	35	50	315	40	\$216.00
DY-3-P-100-50		100			
DY-3-P-200-50		200			
DY-3-P-315-50		315			

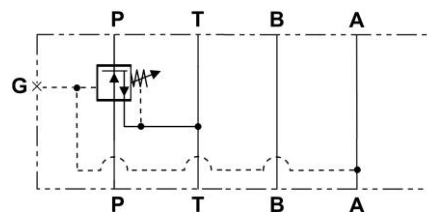
Cetop 5 (NG10)					
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	List Each
DY-5-P-70-70	70	70	315	55	\$261.00
DY-5-P-140-70		140			
DY-5-P-210-70		210			
DY-5-P-315-70		315			

Note: After factory testing Adjustable Pressure is set at minimum which is approximately 8 bar, it is dependent on the tank line back pressure.

Pressure Reducing Valves



(Port A)



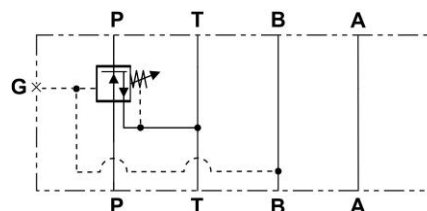
Cetop 3 (NG6)						
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	G	List Each
DYJ-3-A-70-70	35	70	315	40	1/4" BSPT	\$204.00
DYJ-3-A-140-70		140				
DYJ-3-A-210-70		210				

Cetop 5 (NG10)						
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	G	List Each
DYJ-5-A-70-70	70	70	315	55	1/4" BSPT	\$284.00
DYJ-5-A-140-70		140				
DYJ-5-A-210-70		210				

Note: After factory testing Adjustable Pressure is set at minimum which is approximately 8 bar, it is dependent on the tank line back pressure.



(Port B)



Cetop 3 (NG6)						
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	G	List Each
DYJ-3-B-70-70	35	70	315	40	1/4" BSPT	\$204.00
DYJ-3-B-140-70		140				
DYJ-3-B-210-70		210				

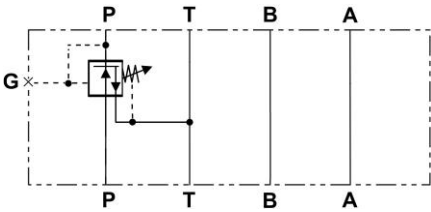
Cetop 5 (NG10)						
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	G	List Each
DYJ-5-B-70-70	70	70	315	55	1/4" BSPT	\$284.00
DYJ-5-B-140-70		140				
DYJ-5-B-210-70		210				

Note: After factory testing Adjustable Pressure is set at minimum which is approximately 8 bar, it is dependent on the tank line back pressure.

Continued Next Page



(Port P)



Cetop 3 (NG6)						
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	G	List Each
DYJ-3-P-70-70	35	70	315	40	1/4" BSPT	\$204.00
DYJ-3-P-140-70		140				
DYJ-3-P-210-70		210				

Cetop 5 (NG10)						
Order Code	Max. Flow (L/min)	Max. Set Pressure (bar)	Max. Pressure (bar)	Thickness (mm)	G	List Each
DYJ-5-P-70-70	70	70	315	55	1/4" BSPT	\$284.00
DYJ-5-P-140-70		140				
DYJ-5-P-210-70		210				

Note: After factory testing Adjustable Pressure is set at minimum which is approximately 8 bar, it is dependent on the tank line back pressure.

Counterbalance Valves

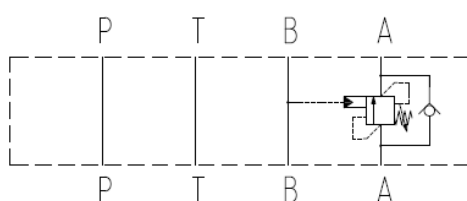


Cetop 3 (NG6)							
Order Code	Max. Flow (L/min)	Adjustable Pressure (bar)	Max. Pressure (bar)	Pilot Ratio	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
MCBS-3-A-G-LH-10	60	70 - 280	350	4.5 : 1	6	50	\$385.00
MCBS-3-B-G-LH-10							\$385.00
MCBS-3-W-G-LH-10							\$480.00

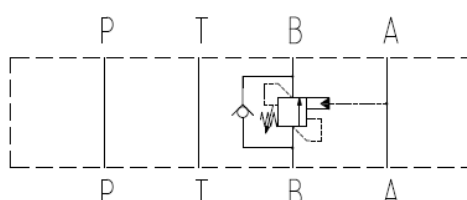
Cetop 5 (NG10)							
Order Code	Max. Flow (L/min)	Adjustable Pressure (bar)	Max. Pressure (bar)	Pilot Ratio	Free Flow Cracking Pressure (bar)	Thickness (mm)	List Each
MCBS-5-A-G-LH-10	120	70 - 280	350	4.5 : 1	6	55	\$615.00
MCBS-5-B-G-LH-10							\$615.00
MCBS-5-W-G-LH-10							\$800.00

Note: Factory Set 180 bar. Counterbalance valves should be set at least 1.3 times the maximum load induced pressure and 1.5 times when valve is set below 140 bar.

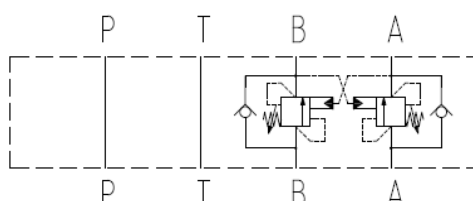
MCBS-*-A-G-LH-10 (Port A)



MCBS-*-B-G-LH-10 (Port B)



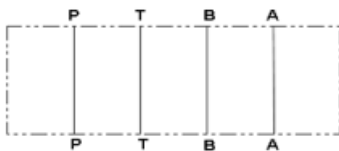
MCBS-*-W-G-LH-10 (Port A & B)



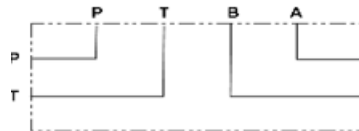
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Subplates, Manifolds & Bolt Kits

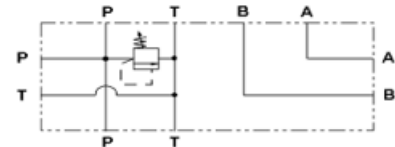
Cetop 3 (NG6) Subplates



Bottom Port



Side & Lateral Port



Dual P & T with Relief Cavity

Cetop 3 (NG6)					
Order Code	Port Position	Material	Max. Pressure (bar)	Port Size	List Each
SP-3-BP-A	Bottom Port	Alloy (Clear Anodised)	210	G 3/8	\$78.00
SP-3-SP-A	Side Port				\$78.00
SP-3-RV-A	Dual P & T Port with Relief Cavity				\$204.00
SP-3-BP-C	Bottom Port	Ductile Cast Iron (Phosphate Treated)	350	G 3/8	\$109.00
SP-3-SP-C	Side Port				\$109.00
SP-3-BP-S	Bottom Port	Steel (Nickel Plated)	350	G 3/8	\$75.00
SP-3-SP-S	Side Port				\$75.00
SP-3-RV-S	Dual P & T Port with Relief Cavity				\$204.00
SP-3-LP-S-G1/4	Lateral Port			G 1/4	\$161.00
SP-3-LP-S-G3/8	Lateral Port			G 3/8	\$161.00

Note:

- SP-3-RV-* not supplied with Pressure Relief Valve Cartridge or Cavity Plug. They are sold separately.
- Relief Valve cavity is C10-2 (P in nose & T out the side).
- Unused P port can be fitted with a Test Fitting.
- SP-3-LP-S-G*/* has G 1/8 port on all 4 working ports for installation of a Test Fitting.

Pressure Relief Valve Cartridge & Cavity Plug

Order Code	Max. Flow (L/min)	Adjustable Pressure (bar)	Preset Pressure (bar)	Max. Pressure (bar)	List Each
LPSRV2-10-8	120	7 - 55	47	420	\$129.00
LPSRV2-10-20		35 - 140	48		\$129.00
LPSRV2-10-40		70 - 280	88		\$129.00
LPSRV2-10-60		140 - 420	140		\$140.00
PLUG-C10-2-S	Cavity Plug - Steel				\$35.00

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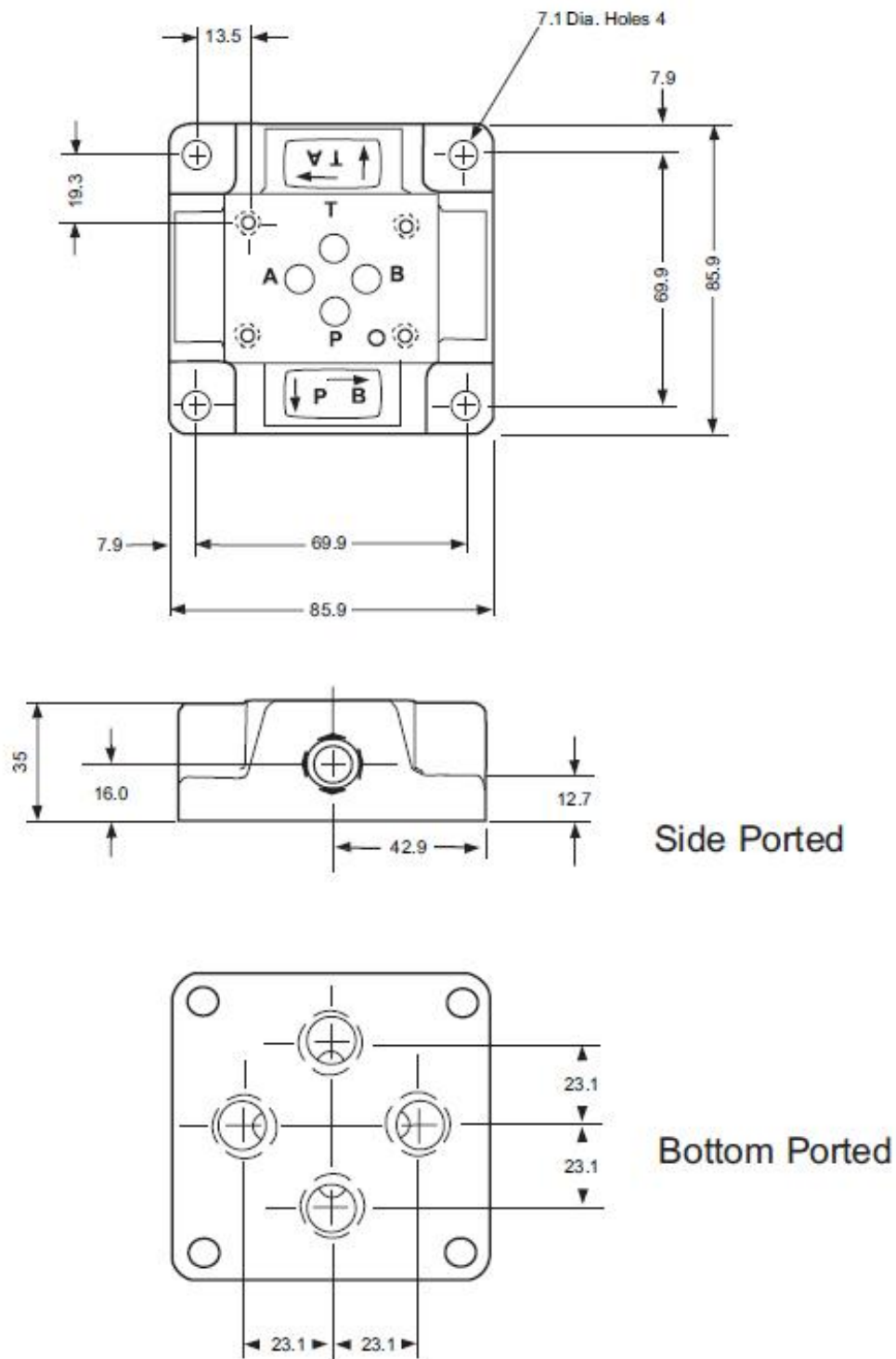
Bottom Port (Alloy & Steel)

Technical drawing of a rectangular plate with the following dimensions and features:

- Top View:**
 - Overall width: 63.5
 - Overall height: 57.2
 - Central hole: $6.6 \varnothing \times 11 \varnothing \times 6.8D$
 - Four small holes arranged in a square pattern around the center.
 - Four corner holes, each with a diameter of 6.4.
- Front View (Left):**
 - Overall height: 33.3
 - Central hole diameter: 12.7
 - Distance from top edge to center: 25.4
- Front View (Right):**
 - Overall height: 33.3
 - Central hole diameter: 12.7
 - Distance from bottom edge to center: 25.4
- Side View (Top):**
 - Overall width: 31.8
 - Central hole diameter: 12.7
 - Distance from top edge to center: 12.7
- Side View (Bottom):**
 - Overall width: 31.8
 - Central hole diameter: 12.7
 - Distance from bottom edge to center: 12.7

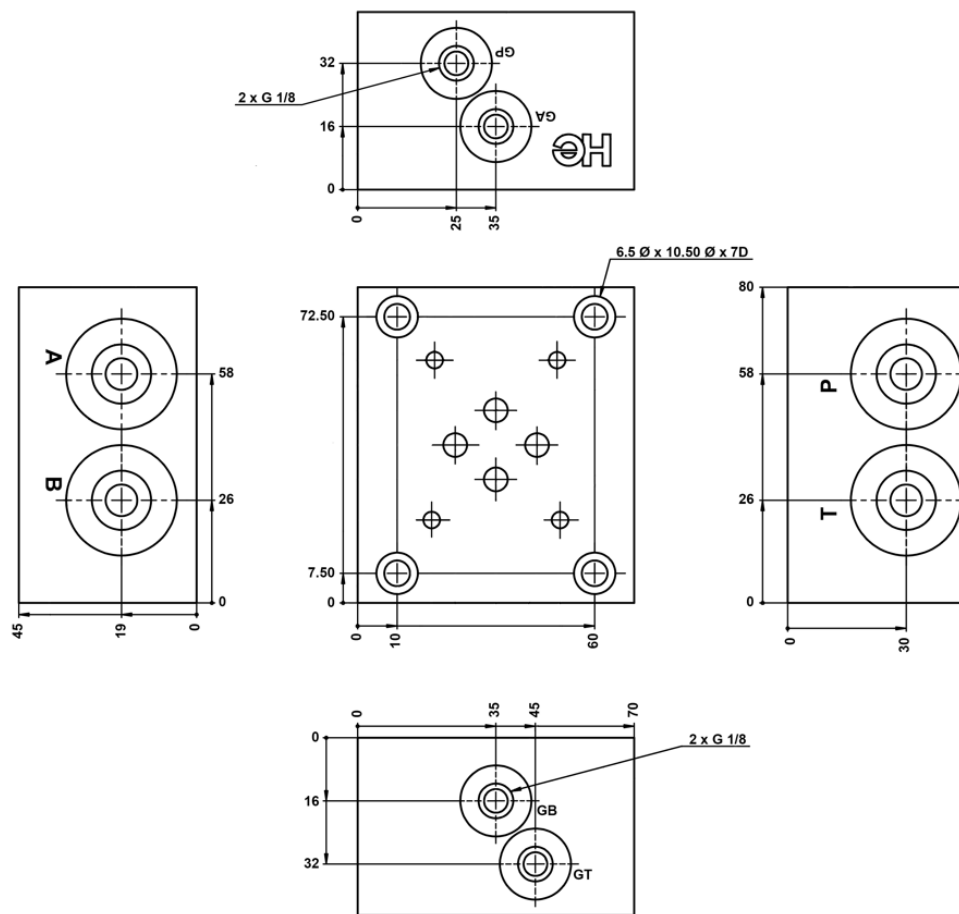
Section Index

Bottom & Side Port (Ductile Cast Iron)

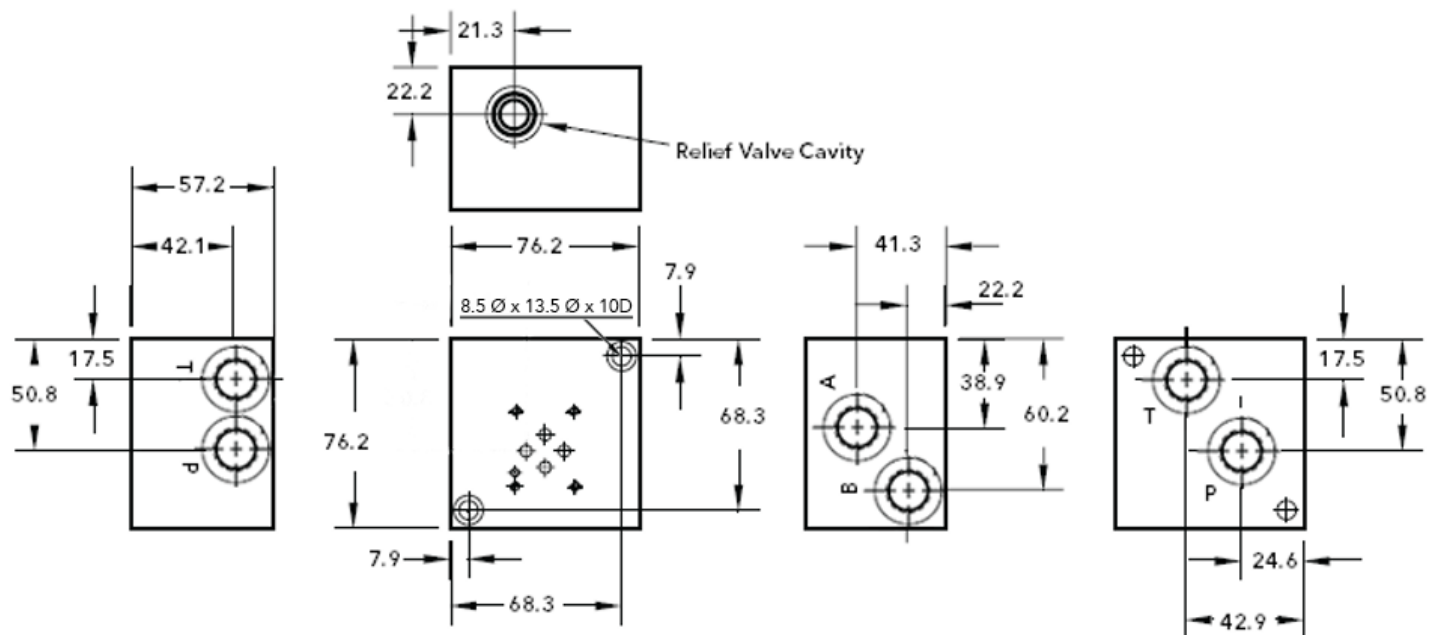


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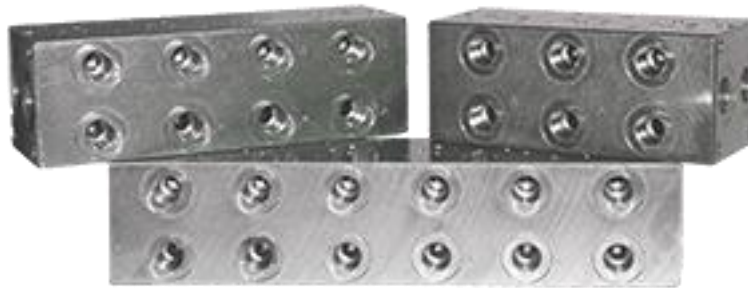
Lateral Port (Steel)



Dual P & T Port with Relief Cavity (Alloy & Steel)



Cetop 3 (NG6) Manifolds



Cetop 3 (NG6) Parallel - Alloy					
Order Code	Stations	Material	Max. Pressure (bar)	Ports	List Each
MB-3-P1-A	1	Alloy (Clear Anodised)	210	P & T = G 1/2 A & B = G 3/8 Gauge = G 1/4	\$174.00
MB-3-P2-A	2				\$260.00
MB-3-P3-A	3				\$330.00
MB-3-P4-A	4				\$401.00
MB-3-P5-A	5				\$471.00
MB-3-P6-A	6				\$541.00
MB-3-P7-A	7				\$617.00
MB-3-P8-A	8				\$703.00
203-SAE6	P & T Tapping – Alloy (40 mm Thick)			9/16” UNO (SAE 6)	\$130.00
SP-3-CP-S	Cover (Blanking) Plate - Steel (19 mm Thick - Bolts not included) (Use BKM5x25)				\$59.00
MB-3-MBK	Mounting Bracket Kit (includes Hex Bolts & Spring Washers for Manifold only)				\$17.00

Cetop 3 (NG6) Parallel - Steel					
Order Code	Stations	Material	Max. Pressure (bar)	Ports	List Each
MB-3-P1-S	1	Steel (Nickel Plated)	350	P & T = G 1/2	\$163.00
MB-3-P2-S	2				\$225.00
MB-3-P3-S	3				\$296.00
MB-3-P4-S	4			A & B = G 3/8	\$366.00
MB-3-P5-S	5			Gauge = G 1/4	\$436.00
MB-3-P6-S	6				\$501.00
MB-3-P7-S	7				\$588.00
203-SAE6	P & T Tapping – Alloy (40 mm Thick)		210	9/16” UNO (SAE 6)	\$130.00
SP-3-CP-S	Cover (Blanking) Plate - Steel (19 mm Thick - Bolts not included) (Use BKM5x25)				\$59.00
MB-3-MBK	Mounting Bracket Kit (includes Hex Bolts & Spring Washers for Manifold only)				\$17.00

Cetop 3 (NG6) Series - Alloy					
Order Code	Stations	Material	Max. Pressure (bar)	Ports	List Each
MB-3-S2-A	2	Alloy (Clear Anodised)	210	P & T = G 1/2	\$265.00
MB-3-S3-A	3			A & B = G 3/8	\$336.00
MB-3-S4-A	4			Gauge = G 1/4	\$406.00
203-SAE6	P & T Tapping – Alloy (40 mm Thick)			9/16” UNO (SAE 6)	\$130.00
MB-3-MBK	Mounting Bracket Kit (includes Hex Bolts & Spring Washers for Manifold only)				\$17.00

Note:

- MB-3 not supplied with Pressure Relief Valve Cartridge or Cavity Plug, Test Fitting or Gauge Port Plug. They are sold separately.
- Relief Valve cavity = C10-2 (P in nose & T out the side).

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Pressure Relief Valve Cartridge & Cavity Plug

Order Code	Max. Flow (L/min)	Adjustable Pressure (bar)	Factory Set (bar)	Max. Pressure (bar)	List Each
LPSRV2-10-8	120	7 - 55	47	420	\$129.00
LPSRV2-10-20		35 - 140	48		\$129.00
LPSRV2-10-40		70 - 280	88		\$129.00
LPSRV2-10-60		140 - 420	140		\$140.00
PLUG-C10-2-S	Cavity Plug - Steel				\$35.00

Note: Pressure Relief Valve Cartridge or Cavity Plug cannot be used with Solenoid Unloading Valve.

Solenoid Unloading Valve for Relief Valve Cavity

Order Code	Description	Max. Flow (L/min)	Max. Pressure (bar)	List Each
LSV2-10-2NOS	2/2 N.O. Cartridge	22.7	207	\$140.00
LC2-10-C-1H	Coil DIN 12V/20W DC without Plug			\$57.00
LC2-10-C-2H	Coil DIN 24V/20W DC without Plug			\$57.00
C01010001-N	DIN Light Plug - DC			\$16.00
LC2-10-C-3H	Coil DIN 110V/20W AC without Plug			\$64.00
LC2-10-C-4H	Coil DIN 220V/20W AC without Plug			\$64.00
C01010004-N	DIN Light Plug - AC			\$16.00
LC2-10-C-1ER	Coil Deutsch 12V/20W DC without Plug			\$70.00
LC2-10-C-2ER	Coil Deutsch 24V/20W DC without Plug			\$70.00
DT06-2S-0462	Deutsch Plug - Male (Includes 2 pcs Solid Socket)			\$15.00
0462-209-16141x10	Deutsch Plug Solid Socket (Female Pins) - Pack of 10 pcs (Spare Parts)			\$50.00
Order Code	Description	Max. Flow (L/min)	Max. Pressure (bar)	List Each
LSV6-10-2NOSP	2/2 N.O. Cartridge	70	350	\$429.00
LSV6-10-2NOSP-M	2/2 N.O. Cartridge with O'ride			\$475.00
LC3-10-C-1H	Coil DIN 12V/26W DC without Plug			\$57.00
LC3-10-C-2H	Coil DIN 24V/26W DC without Plug			\$57.00
C01010001-N	DIN Light Plug - DC			\$16.00
LC3-10-C-3H	Coil DIN 110V/26W AC without Plug			\$62.00
LC3-10-C-4H	Coil DIN 220V/26W AC without Plug			\$62.00
C01010004-N	DIN Light Plug - AC			\$16.00
SC-10-C-1ER	Coil Deutsch 12V/22W DC without Plug			\$70.00
SC-10-C-2ER	Coil Deutsch 24V/22W DC without Plug			\$70.00
DT06-2S-0462	Deutsch Plug - Male (Includes 2 pcs Solid Socket)			\$15.00
0462-209-16141x10	Deutsch Plug Solid Socket (Female Pins) - Pack of 10 pcs (Spare Parts)			\$50.00

Note:

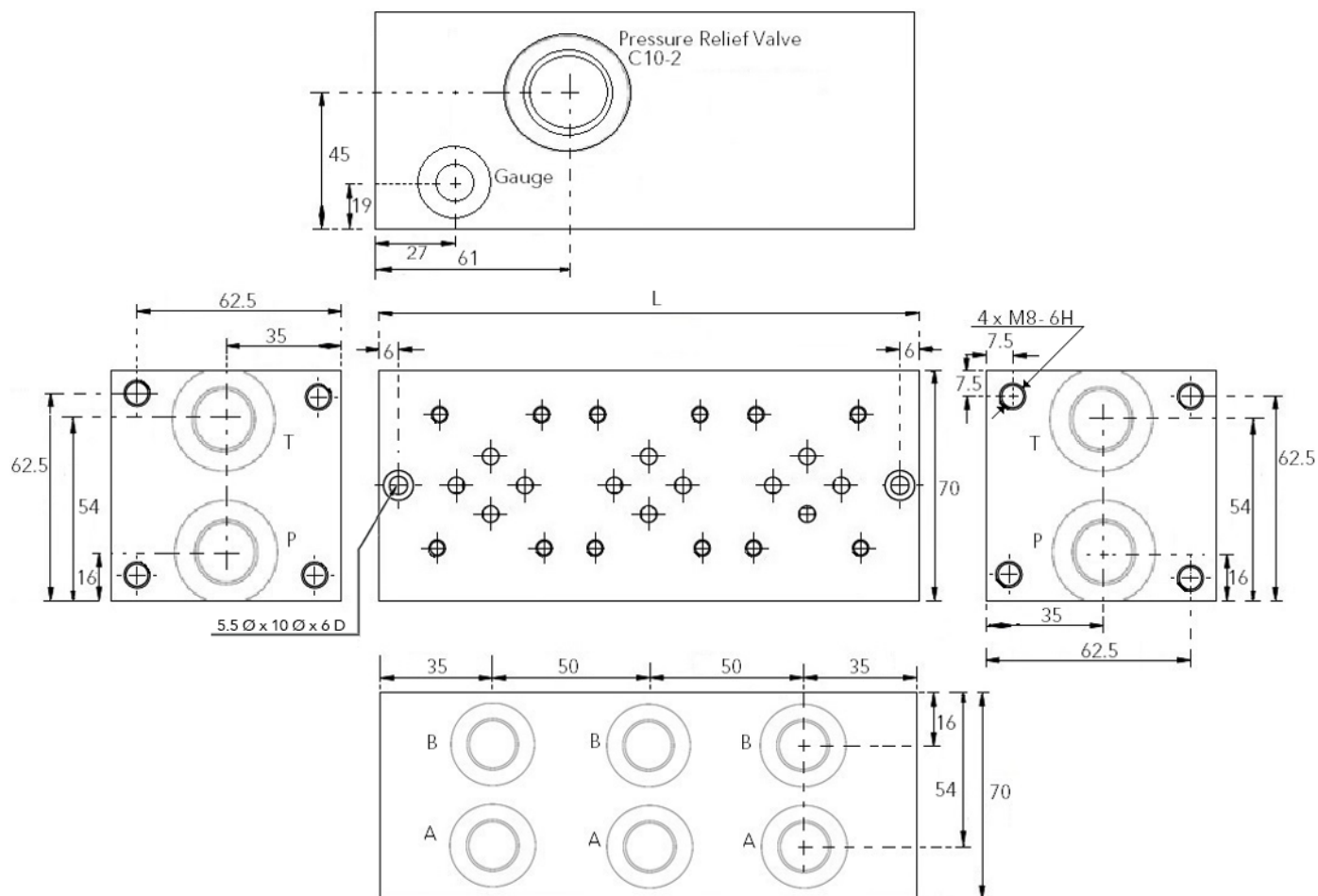
- Solenoid Unloading Valve cannot be used with Pressure Relief Valve Cartridge or Cavity Plug.
- Additional Cartridge information available on [Page 9.06](#).
- Coil installation, DIN & Deutsch Plug Wiring Information available on [Page 5.10](#).

Test Fitting & Port Plugs

Order Code	Thread	Valve Sealing Type	List Each
PT-07-B	G 1/4 - Dowty Seal	Poppet	\$26.00
PT-07-C	G 1/4 - Encapsulated Seal		
PLUG-G1/4-S	G 1/4 - Steel Port Plug		\$6.00
PLUG-G3/8-S	G 3/8 - Steel Port Plug		\$7.00
PLUG-G1/2-S	G 1/2 - Steel Port Plug		\$8.00

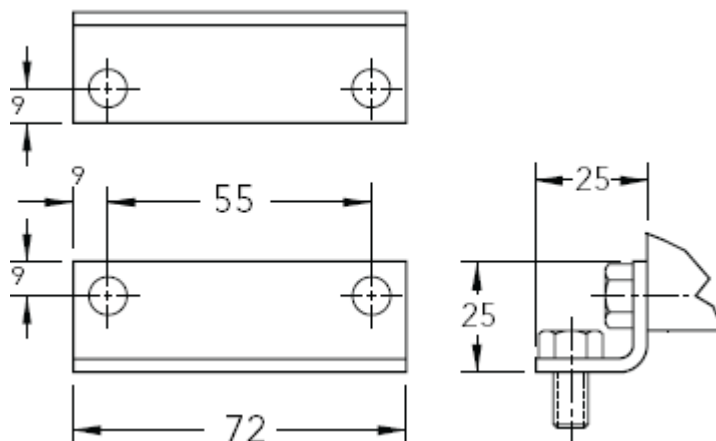
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MB-3 Parallel & Series (Alloy & Steel)



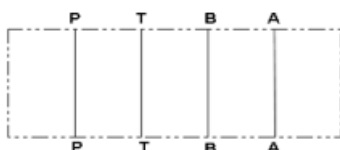
Station	Dim. L	Ports
1	94	P & T = G 1/2 A & B = G 3/8 Gauge = G 1/4
2	120	
3	170	
4	220	
5	270	
6	320	
7	370	
8	420	

MB-3-MBK

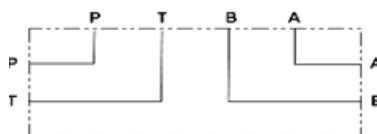


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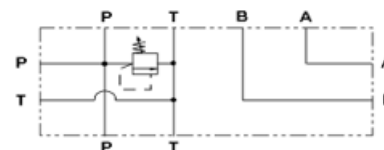
Cetop 5 (NG10) Subplates



Bottom Port



Side Port



Dual P & T with Relief Cavity

Cetop 5 (NG10)					
Order Code	Port Position	Material	Max. Pressure (bar)	Port Size	List Each
SP-5-BP-A	Bottom Port	Alloy (Clear Anodised)	210	G 1/2	\$136.00
SP-5-SP-A	Side Port				\$136.00
SP-5-RV-A	Dual P & T Port with Relief Cavity				\$365.00
SP-5-BP-C	Bottom Port	Ductile Cast Iron (Phosphate Treated)	350		\$174.00
SP-5-SP-C	Side Port				\$174.00
SP-5-BP-S	Bottom Port	Steel (Nickel Plated)	350		\$133.00
SP-5-SP-S	Side Port				\$133.00
SP-5-RV-S	Dual P & T Port with Relief Cavity				\$365.00

Note:

- SP-5-RV-* not supplied with Pressure Relief Valve Cartridge or Cavity Plug. They are sold separately.
- Relief Valve cavity is C10-2 (P in nose & T out the side).
- Unused P port can be fitted with a Test Fitting.

Pressure Relief Valve Cartridge & Cavity Plug

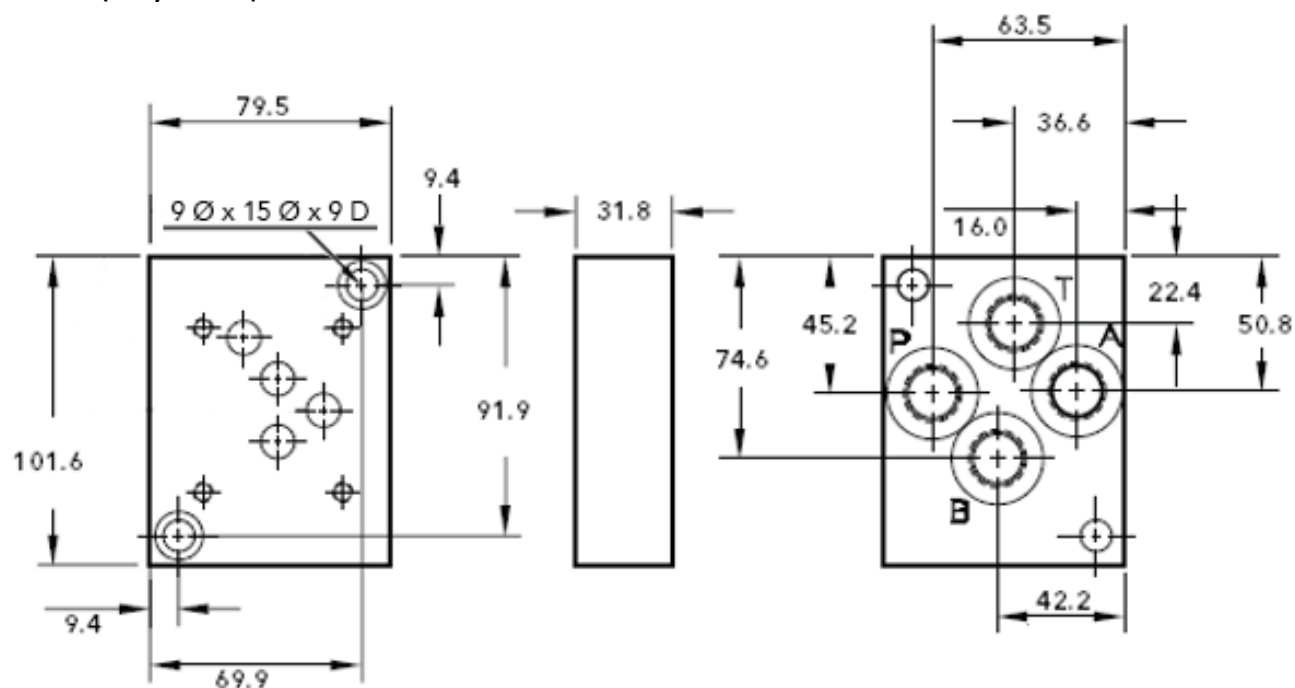
Order Code	Max. Flow (L/min)	Adjustable Pressure (bar)	Preset Pressure (bar)	Max. Pressure (bar)	List Each
LPSRV2-10-8	120	7 - 55	47	420	\$129.00
LPSRV2-10-20		35 - 140	48		\$129.00
LPSRV2-10-40		70 - 280	88		\$129.00
LPSRV2-10-60		140 - 420	140		\$140.00
PLUG-C10-2-S	Cavity Plug - Steel				\$35.00

Test Fitting & Port Plug

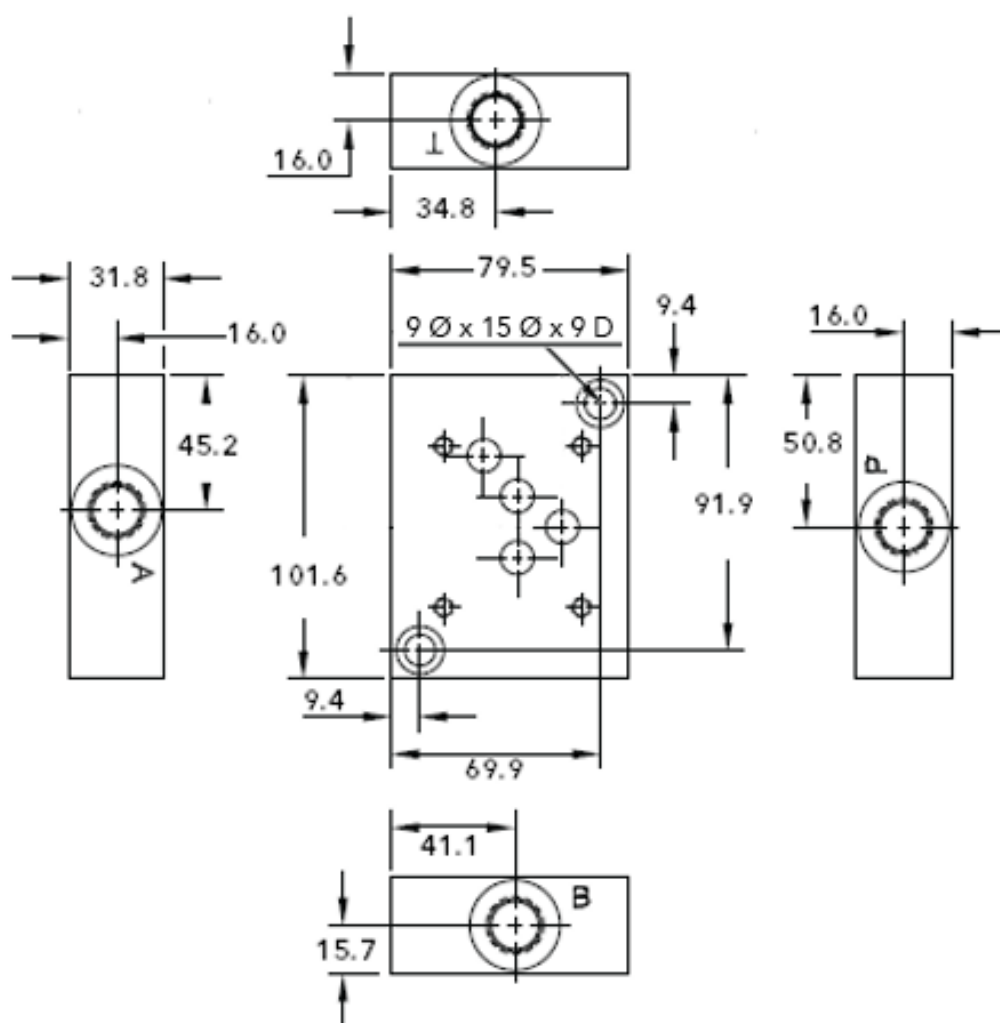
Order Code	Thread	Valve Sealing Type	List Each
PT-09-B	G 1/2 - Dowty Seal	Poppet	\$31.00
PT-09-C	G 1/2 - Encapsulated Seal		
PLUG-G1/2-S	G 1/2 - Steel Port Plug		\$8.00

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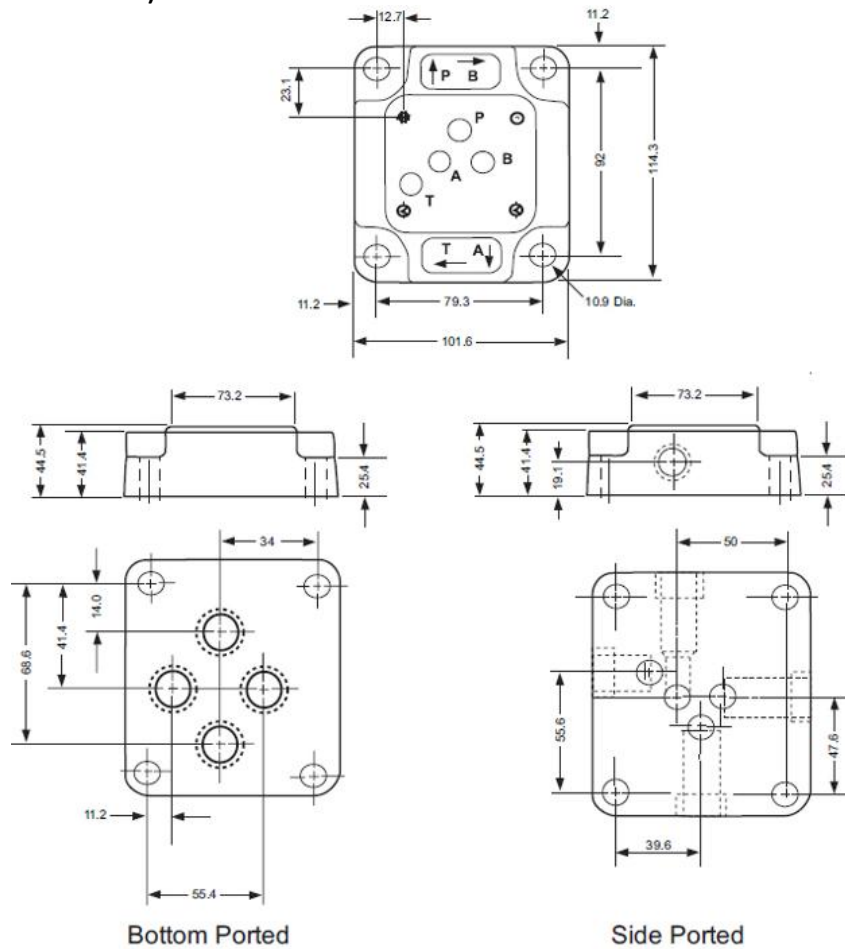
Bottom Port (Alloy & Steel)



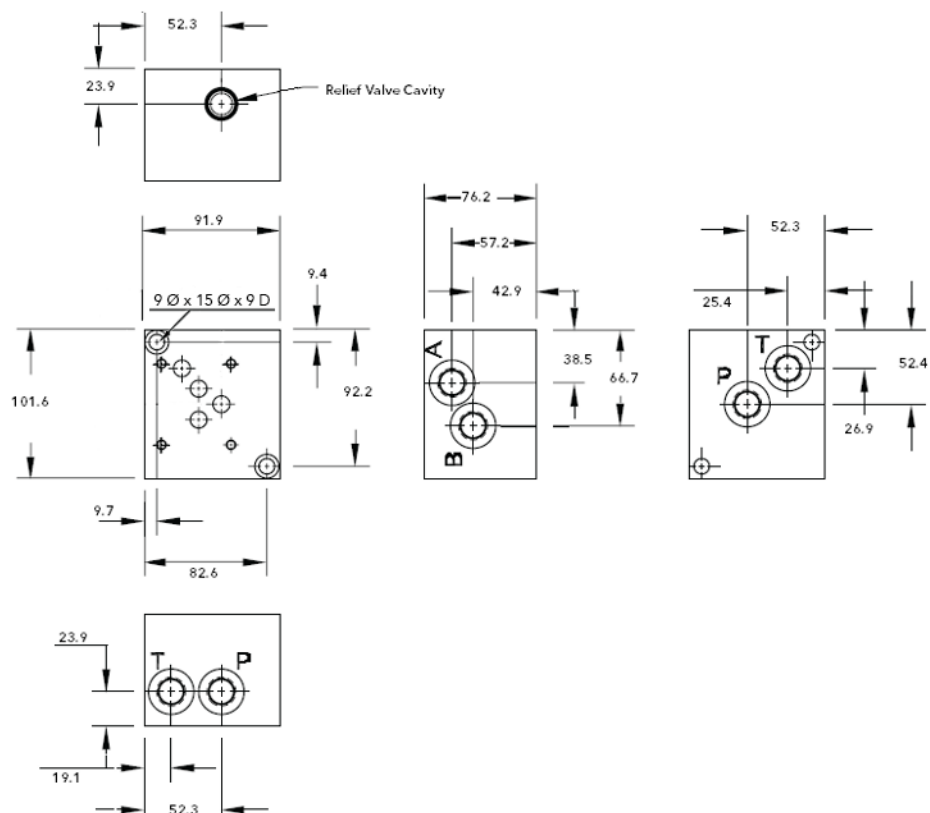
Side Port (Alloy & Steel)



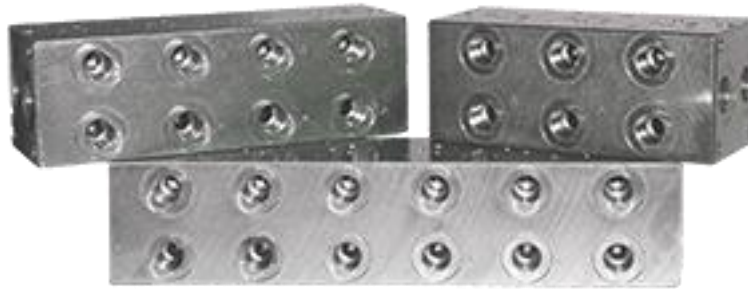
Bottom & Side Port (Ductile Cast Iron)



Dual P & T Port with Relief Cavity (Alloy & Steel)



Cetop 5 (NG10) Manifolds



Cetop 5 (NG10) Parallel - Alloy					
Order Code	Stations	Material	Max. Pressure (bar)	Ports	List Each
MB-5-P1-A	1	Alloy (Clear Anodised)	210	P & T = G 3/4	\$309.00
MB-5-P2-A	2				\$505.00
MB-5-P3-A	3			A & B = G 1/2	\$665.00
MB-5-P4-A	4				\$855.00
MB-5-P5-A	5			Gauge = G 1/4	\$1,051.00
MB-5-P6-A	6				\$1,226.00
SP-5-CP-S	Cover (Blanking) Plate - Steel (19 mm Thick - Bolts not included) (Use BKM6x30)				\$78.00
MB-5-MBK	Mounting Bracket Kit (includes Hex Bolts & Spring Washers for Manifold only)				\$23.00

Cetop 5 (NG10) Parallel - Steel					
Order Code	Stations	Material	Max. Pressure (bar)	Ports	List Each
MB-5-P1-S	1	Steel (Nickel Plated)	350	P & T = G 3/4	\$289.00
MB-5-P2-S	2				\$485.00
MB-5-P3-S	3			A & B = G 1/2	\$606.00
MB-5-P4-S	4				\$763.00
MB-5-P5-S	5			Gauge = G 1/4	\$897.00
MB-5-P6-S	6				\$1,046.00
SP-5-CP-S	Cover (Blanking) Plate - Steel (19 mm Thick - Bolts not included) (Use BKM6x30)				\$78.00
MB-5-MBK	Mounting Bracket Kit (includes Hex Bolts & Spring Washers for Manifold only)				\$23.00

Cetop 5 (NG10) Series - Alloy					
Order Code	Stations	Material	Max. Pressure (bar)	Ports	List Each
MB-5-S2-A	2	Alloy (Clear Anodised)	210	P & T = G 3/4	\$515.00
MB-5-S3-A	3			A & B = G 1/2	\$675.00
MB-5-S4-A	4			Gauge = G 1/4	\$866.00
MB-5-MBK	Mounting Bracket Kit (includes Hex Bolts & Spring Washers for Manifold only)				\$23.00

Note:

- MB-5 not supplied with Pressure Relief Valve Cartridge or Cavity Plug, Test Fitting or Gauge Port Plug. They are sold separately.
- Relief Valve cavity = C10-2 (P in nose & T out the side).
- MB-5-S*-A have only 1 x P & T Ports. Refer to drawing on [Page 5.34](#).

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Pressure Relief Valve Cartridge & Cavity Plug

Order Code	Max. Flow (L/min)	Adjustable Pressure (bar)	Preset Pressure (bar)	Max. Pressure (bar)	List Each
LPSRV2-10-8	120	7 - 55	47	420	\$129.00
LPSRV2-10-20		35 - 140	48		\$129.00
LPSRV2-10-40		70 - 280	88		\$129.00
LPSRV2-10-60		140 - 420	140		\$140.00
PLUG-C10-2-S	Cavity Plug - Steel				\$35.00

Note: Pressure Relief Valve Cartridge or Cavity Plug cannot be used with Solenoid Unloading Valve.

Solenoid Unloading Valve for Relief Valve Cavity

Order Code	Description	Max. Flow (L/min)	Max. Pressure (bar)	List Each
LSV6-10-2NOSP	2/2 N.O. Cartridge	70	350	\$429.00
LSV6-10-2NOSP-M	2/2 N.O. Cartridge with O'ride			\$475.00
LC3-10-C-1H	Coil DIN 12V/26W DC without Plug			\$57.00
LC3-10-C-2H	Coil DIN 24V/26W DC without Plug			\$57.00
C01010001-N	DIN Light Plug - DC			\$16.00
LC3-10-C-3H	Coil DIN 110V/26W AC without Plug			\$62.00
LC3-10-C-4H	Coil DIN 220V/26W AC without Plug			\$62.00
C01010004-N	DIN Light Plug - AC			\$16.00
SC-10-C-1ER	Coil Deutsch 12V/22W DC without Plug			\$70.00
SC 10-C-2ER	Coil Deutsch 24V/22W DC without Plug			\$70.00
DT06-2S-0462	Deutsch Plug - Male (Includes 2 pcs Solid Socket)			\$15.00
0462-209-16141x10	Deutsch Plug Solid Socket (Female Pins) - Pack of 10 pcs (Spare Parts)			\$50.00

Note:

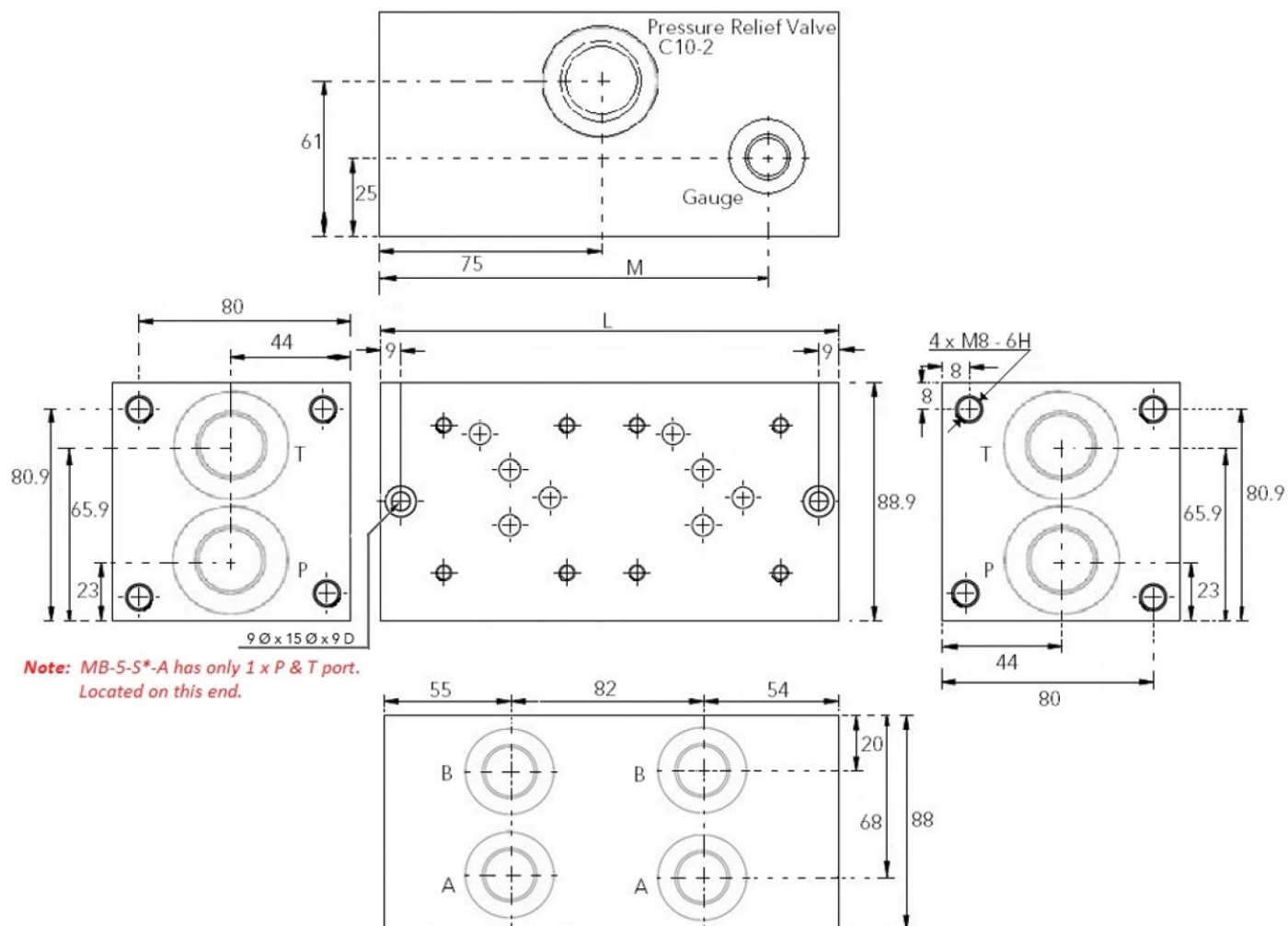
- Solenoid Unloading Valve cannot be used with Pressure Relief Valve Cartridge or Cavity Plug.
- Additional Cartridge information available on [Page 9.06](#).
- Coil & DIN Light Plug installation information available on [Page 5.10](#).

Test Fitting & Port Plugs

Order Code	Thread	Valve Sealing Type	List Each
PT-07-B	G 1/4 - Dowty Seal	Poppet	\$26.00
PT-07-C	G 1/4 - Encapsulated Seal		
PLUG-G1/4-S	G 1/4 - Steel Port Plug		\$6.00
PLUG-G1/2-S	G 1/2 - Steel Port Plug		\$8.00
PLUG-G3/4-S	G 3/4 - Steel Port Plug		\$12.00

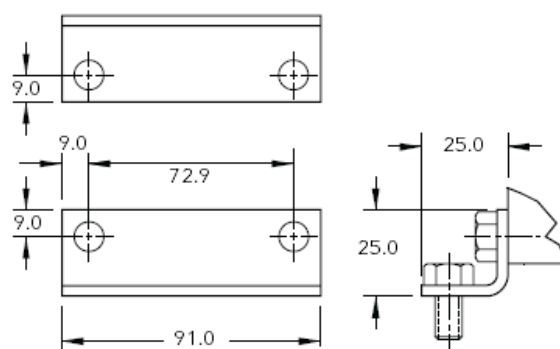
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MB-5 Parallel & Series (Alloy & Steel)



Station	Dim. L	Dim. M	Ports
1	110	72	P & T = G 3/4
2	191	153	
3	273	235	
4	355	317	A & B = G 1/2
5	437	399	
6	519	481	Gauge = G 1/4

MB-5-MBK



Bolt Kits - M5



Cetop 3 (NG6)		
FW & FWS valve only bolt length = 45 mm (including Thread Engagement)		
FS valve only bolt length = 50 mm (including Thread Engagement)		
All modules & 203-SAE6 Tapping Plate = 40 mm except MCBS = 50 mm		
SP-3-CP-S = 19 mm (Use BKM5x25)		
Order Code	Length (mm)	List Each
BKM5x25	25	\$5.00
BKM5x30	30	\$6.00
BKM5x45	45	\$7.00
BKM5x85	85	\$8.00
BKM5x90	90	\$12.00
BKM5x95	95	\$14.00
BKM5x100	100	\$15.00
BKM5x105	105	\$17.00
BKM5x110	110	\$18.00
BKM5x125	125	\$23.00
BKM5x130	130	\$25.00
BKM5x135	135	\$26.00
BKM5x140	140	\$27.00
BKM5x145	145	\$32.00
BKM5x150	150	\$38.00
BKM5x165	165	\$54.00
BKM5x170	170	\$56.00
BKM5x175	175	\$58.00
BKM5x180	180	\$60.00
BKM5x185	185	\$65.00
BKM5x205	205	\$72.00
BKM5x225	225	\$85.00

Note: 1 Bolt Kit consist of 4 pcs SHCS.

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Bolt Kits - M6



Cetop 5 (NG10)		
Valve only bolt length = 40 mm (including Thread Engagement) All modules = 55 mm except DAY-5 = 50 mm SP-5-CP-S = 19 mm (Use BKM6x30)		
Order Code	Length (mm)	List Each
BKM6x30	30	\$5.00
BKM6x40	40	\$6.00
BKM6x50	50	\$7.00
BKM6x60	60	\$8.00
BKM6x90	90	\$9.00
BKM6x95	95	\$10.00
BKM6x100	100	\$11.00
BKM6x110	110	\$12.00
BKM6x145	145	\$37.00
BKM6x150	150	\$39.00
BKM6x160	160	\$45.00
BKM6x200	200	\$63.00
BKM6x205	205	\$78.00
BKM6x255	255	\$127.00
BKM6x260	260	\$132.00

Note: 1 Bolt Kit consist of 4 pcs SHCS.