



**Description**

Completely encapsulated mechanism for protection against dirt. Five chamber design for better reduction in dynamic force and longer valve life.

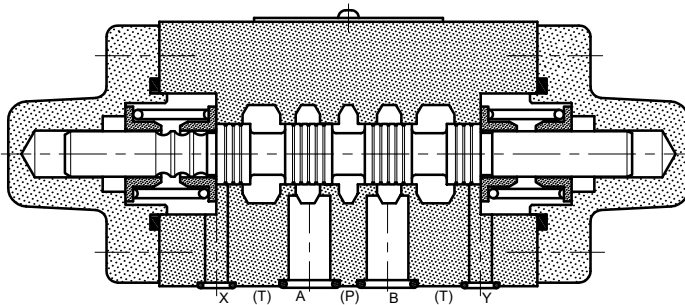
Mounting style - Subplate body. Available as spring centred and spring off-set position

Valve mounting interface confirms to international and national standards.

All spool and bodies are interchangeable, simplifying maintenance.

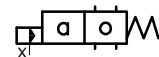


**Section**

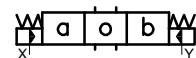


**Hydraulic symbol**

2 position spring offset



3 position spring centred



**Technical specifications**

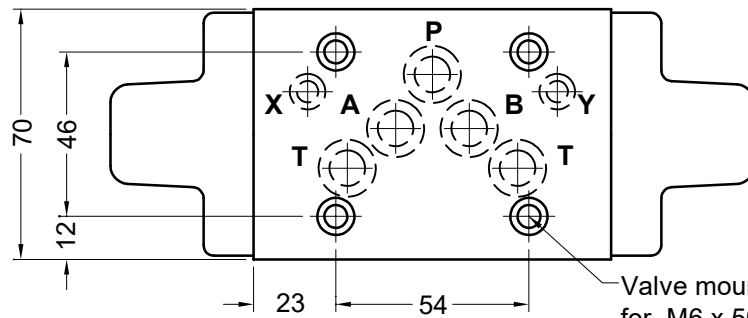
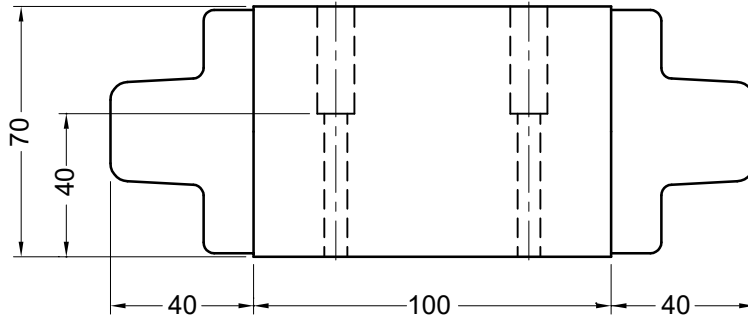
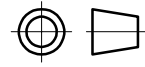
Construction	:	Spool type.
Mounting / Standard	:	Subplate body. Interface as per ISO 4401 - AC - 05 - 4 - A and IS 10187 -10 mm diameter nominal port.
Mounting position	:	Optional, horizontal spool axis preferred.
Flow direction	:	As per spool type .
Maximum operating pressure	:	For port P, A, and B.....350 bar. ( Standered valve ) For port P, A, and B.....700 bar. ( High Pressure valve ) For port X, Y.....100 bar. For port T.....100 bar. Pressure drop in the tank line adversely affect the returning speed of the cylinder, Hence must be kept as low as possible
Minimum Pilot pressure	:	5 bar.
Hydraulic medium	:	Mineral oil.
Viscosity range	:	10 cSt to 380 cSt.
Fluid temperature range	:	-20°C to +70°C.
Fluid cleanliness requirement	:	ISO 4406 20/18/15 or better.
Nominal flow handling capacity	:	Refer performance curve.
Mass (approx)	:	5 kg



Subplate mounting body

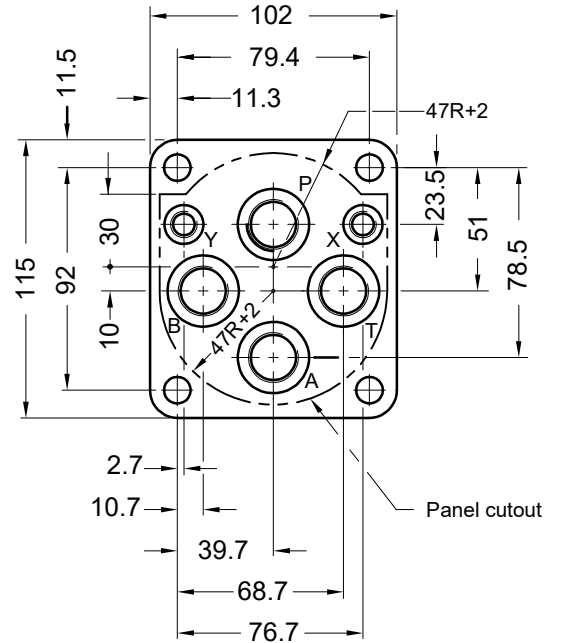
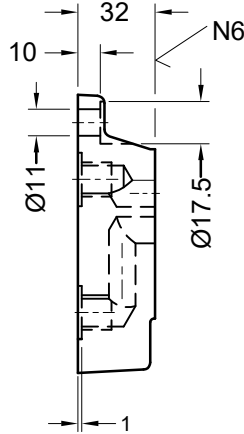
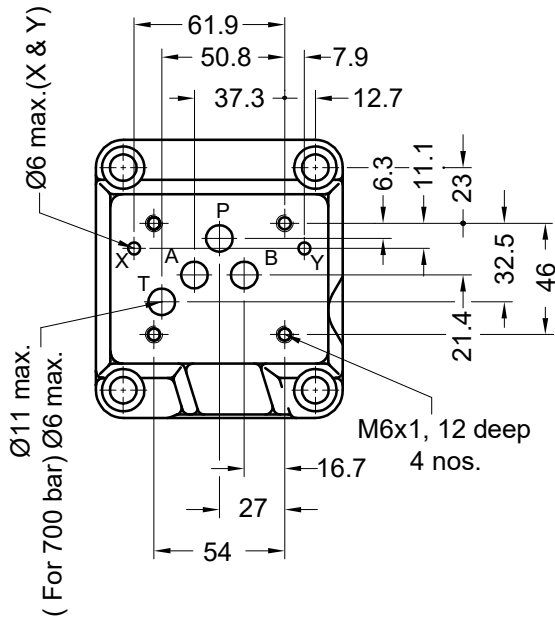
Unit dimensions

Dimensions in mm.



Valve mounting Clearance hole,  
for M6 x 50L S.H. Capscrew. 4 Nos.  
property class 10.9, tightening torque 16 Nm.

Subplate



Subplate Ordering Code	Port A, B, P, T	Port X, Y	Approx Mass	Sub-plate Fixing Screws	Tightening Torque
G1 03 XY	G 1/2"	G 1/8"	2.5 kg.	M10 x 25 L	70 N-m

Note

Sub-plate to be ordered separately.



### Performance Curves for 4DP 10

( Pressure drop related to flow, with oil viscosity 46 cSt at 40°C )

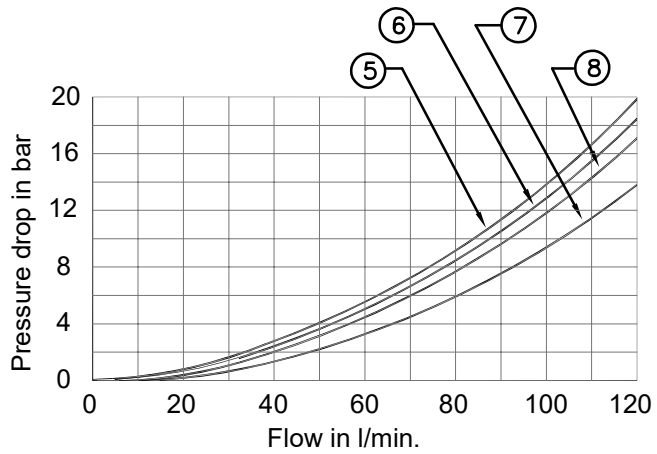
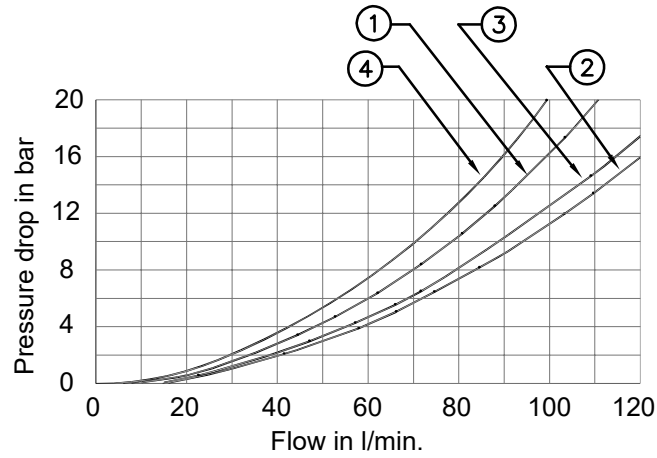
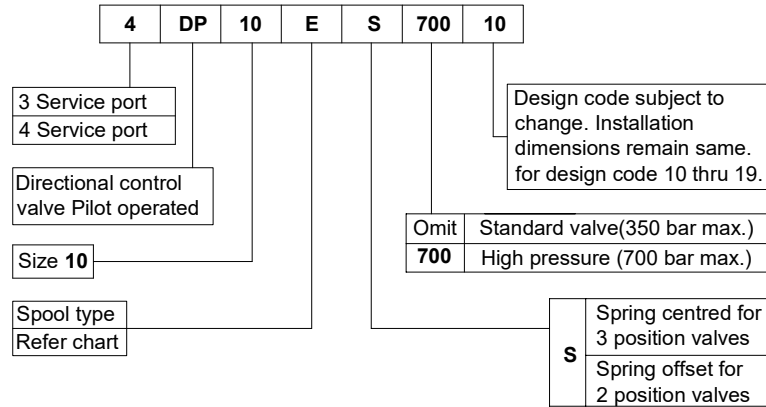


Table showing the relation between the spool type, direction of flow and curve graph to be referred to.

Spool type	Direction of flow / Curve no.				
	P to T	P to A	P to B	A to T	B to T
A	-	1	1	-	-
C	-	1	1	2	3
D	-	1	1	2	3
E	-	1	1	2	3
F	4	1	1	7	3
G	4	1	1	2	3
H	5	6	6	7	8
J	-	1	1	7	8
L	-	1	1	7	3
M	-	6	6	2	3
P	4	1	1	2	8
Q	-	1	1	2	3
U	-	1	1	7	8
W	-	1	1	2	3



### Ordering code



### Note

Ordering code for a complete Seal Kit : **DP\*SLKT**

### Spool Chart

Type	Symbol	Crossover	Type	Symbol	Crossover
	a 0 b A B			a 0 b A B	
A			Q		
C			U		
D			W		
E					
F					
G					
H					
J					
L					
M					
P					