

### Description

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

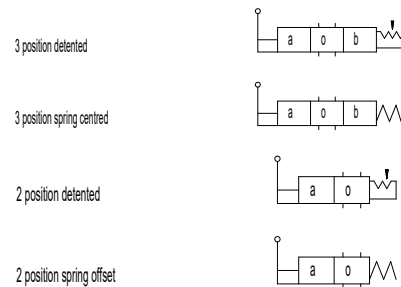
Mounting styles -- Subplate body. Available as spring centred, spring off-set or detented model.

Operating head can be rotated by 90° x 4 around spool axis for flexibility in mounting.

Valve mounting interface conforms to International and National Standards. Port configuration conforms to Factory Standards.

Nominal flow and pressure ratings	
Max. working pr. (bar)	Max. flow l/min.
Port P, A and B ..... 350	100
Port T ..... 100	

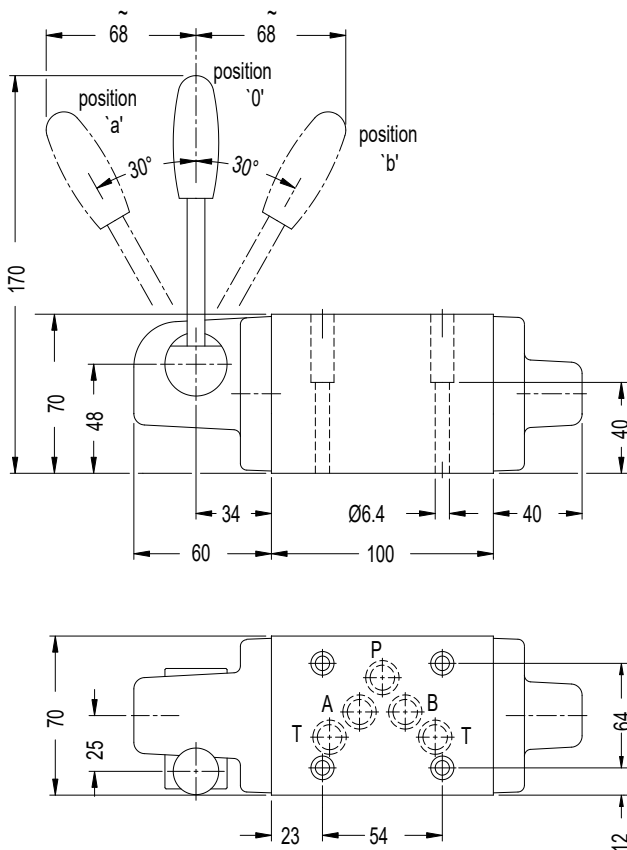
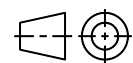
### Hydraulic Symbol



### Unit dimension

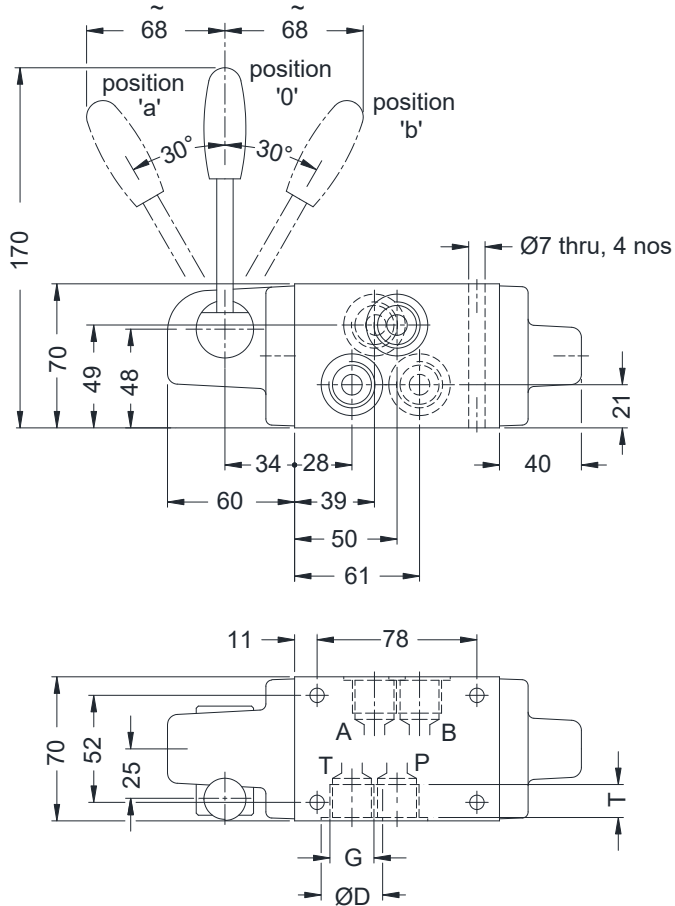
#### Subplate mounting body

Dimensions in mm.



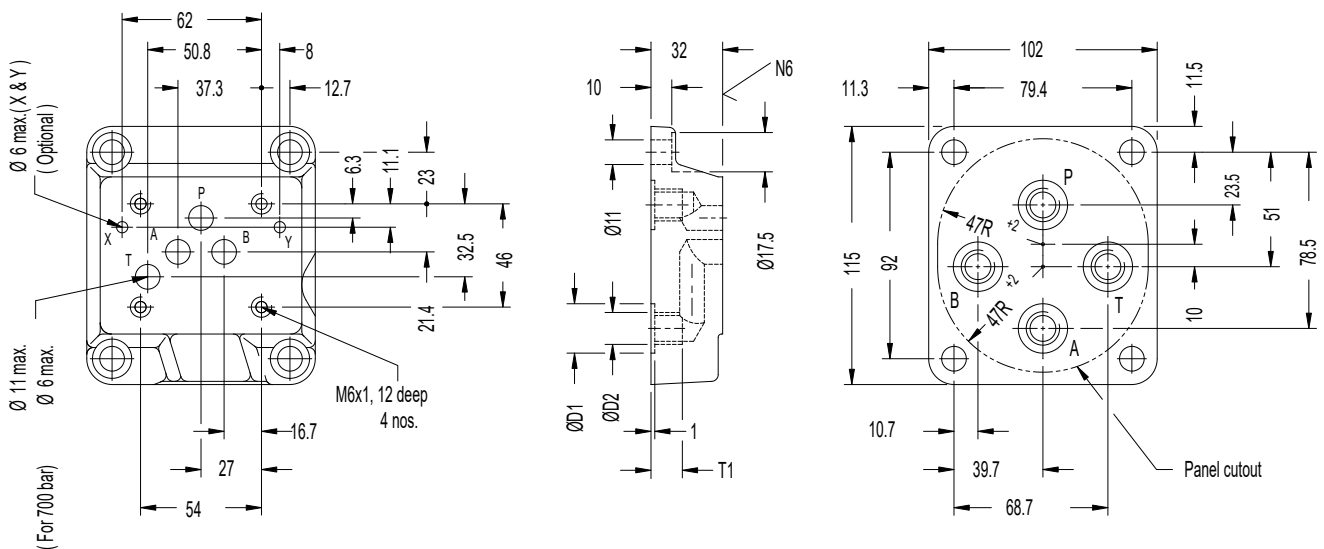
Note : Valve fixing screws M6 x 50L Tightening torque 15 Nm  
O'Ring size at port P, A, B & T : 12 i.d. x 2 c.s.d.

### Threaded mounting body



Model	G	ØD	T
4DL10T02	G 1/4	22	13
4DL10T03	G 3/8	25	13
4DL10T04	G 1/2	30	15

### Subplate



Subplate type	ØD1	ØD2	T1	Approx. mass	Valve fixing screws	Tightening torque
G101	22	G1/4	13	1.1 kg.	M6 x 50 L, 4 nos.	15 Nm
G102	25	G3/8	13			
G103	30	G1/2	15			

### Technical specification

Construction .....	Spool type.
Mounting style .....	Threaded and subplate body.
Interface .....	As per ISO 4401-AC-05-4-A and IS 10187-10 mm diameter nominal port.
Mounting position .....	Optional.
Flow direction .....	As per spool
Operating pressure .....	For port P, A and B . . . 315 bar. For port T . . . . . 100 bar.
Hydraulic medium .....	Mineral oil
Viscosity range .....	10 to 380 cSt
Fluid temperature range .....	-20 to +70 degree celcius
Oil cleanliness requirement .....	As per I.S.O. 16/13 or better.
Nominal flow handling capacity .....	32 l/min (@ 68cSt & 1 bar pressure drop)
Maximum flow handling capacity .....	Refer performance curve.
Mass .....	5.6 kg. approx ( Threaded & subplate body)

### Performance Curve

Oil used : ISO VG 68, Viscosity : 68 cSt @ 40 °C, Temp. @ test : 50 °C.

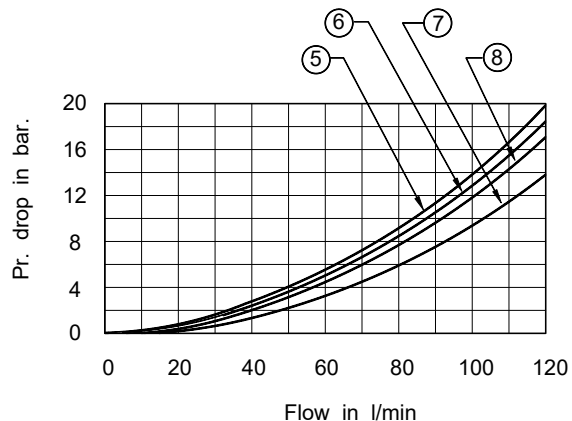
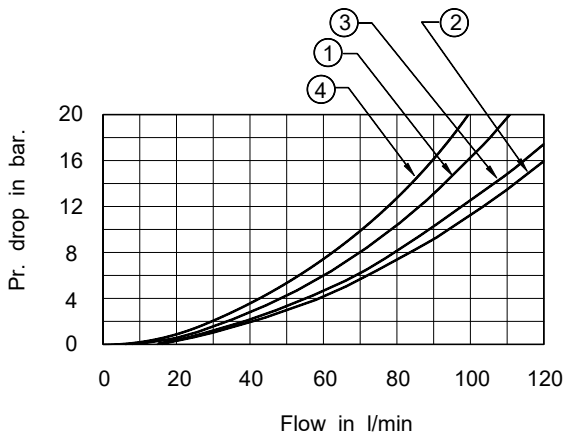
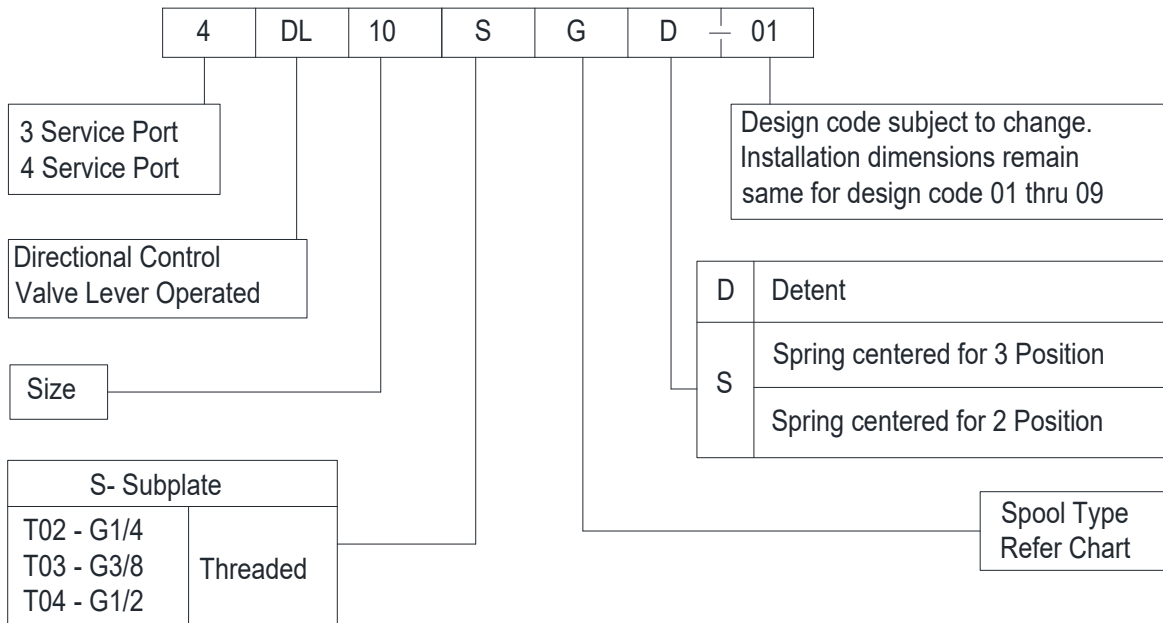


Table showing the relation between the spool type, direction of flow and curve in the above graph to be referred to.

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
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
W	--	1	1	2	3

### Ordering code



Note : Subplate to be ordered separately.

### Spool chart.

Type	Symbol	Crossover	Type	Symbol	Crossover
	a 0 b A B P T			a 0 b A B P T	
A			Q		
C			U		
D			V		
E			S1		
F			S2		
G			S3		
H			S4		
J			S5		
L			S6		
M					
P					

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