

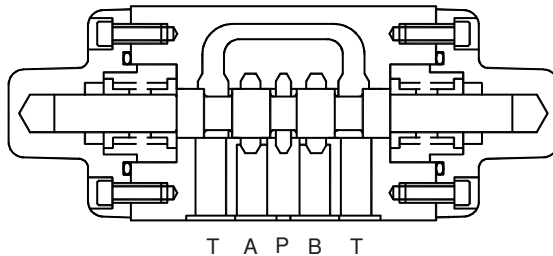
PILOT OPERATED DIRECTIONAL CONTROL VALVE MODEL : 4DCP10

Description

Five chamber design for better reduction in dynamic forces and longer valve life.
Available as spring centred, spring offset.
Mounting interface conforms to International and National standards.

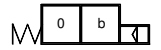


Section

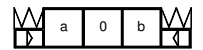


Hydraulic Symbol

2 position spring offset



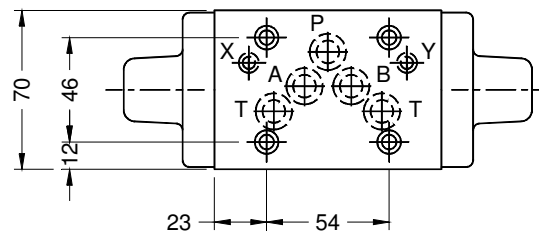
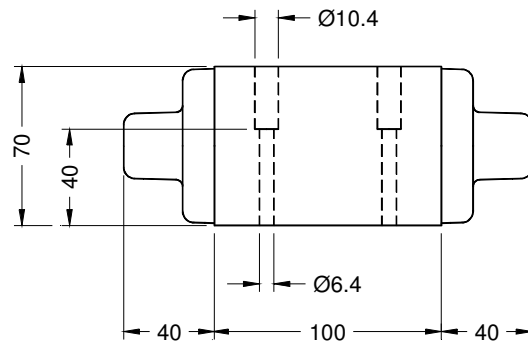
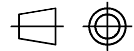
3 position spring centred



Unit Dimensions

Dimensions in mm.

Subplate mounting body



Valve fixing screws M6x50L

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Subplate

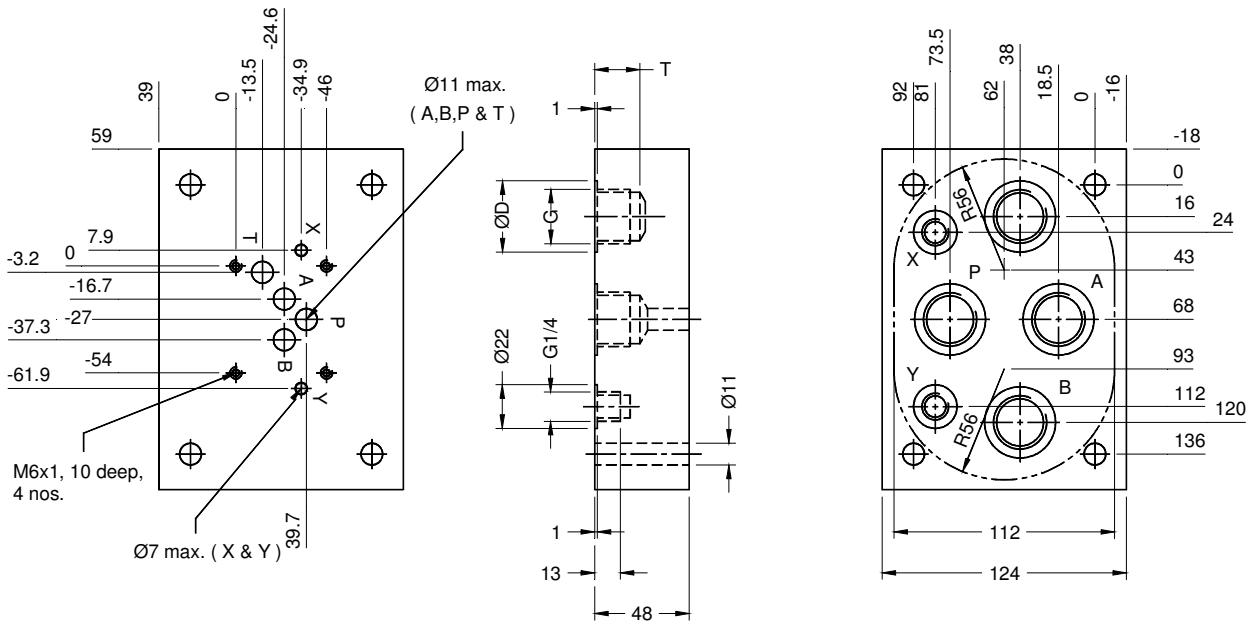


Table No. 1

Subplate	G	ØD	T
CTP05XG04	3/4	36	17
CTP05XG05	1	44	19

Note :- Subplate to be ordered separately.
Ref Table No. 1 for ordering code

Technical Specifications

Construction	Spool type.
Mounting style	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
Nominal flow handling capacity	32 l/min (@ 68cSt & 1 bar pressure drop)
Maximum flow handling capacity	Refer performance curves.
Mass	4.1 kg. approx (Threaded & subplate body)

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Performance curve

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

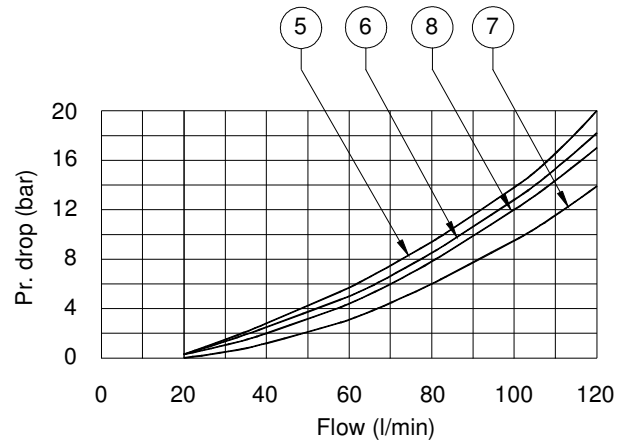
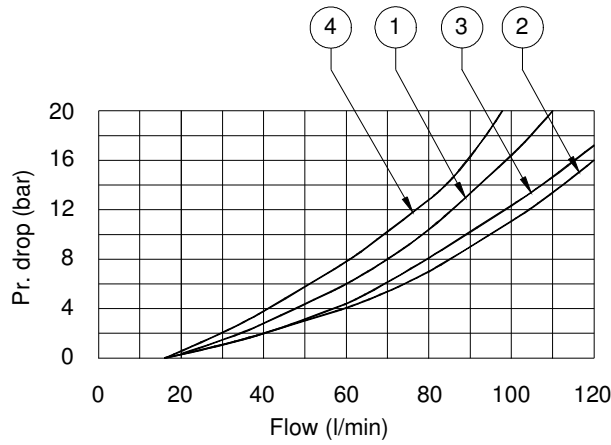
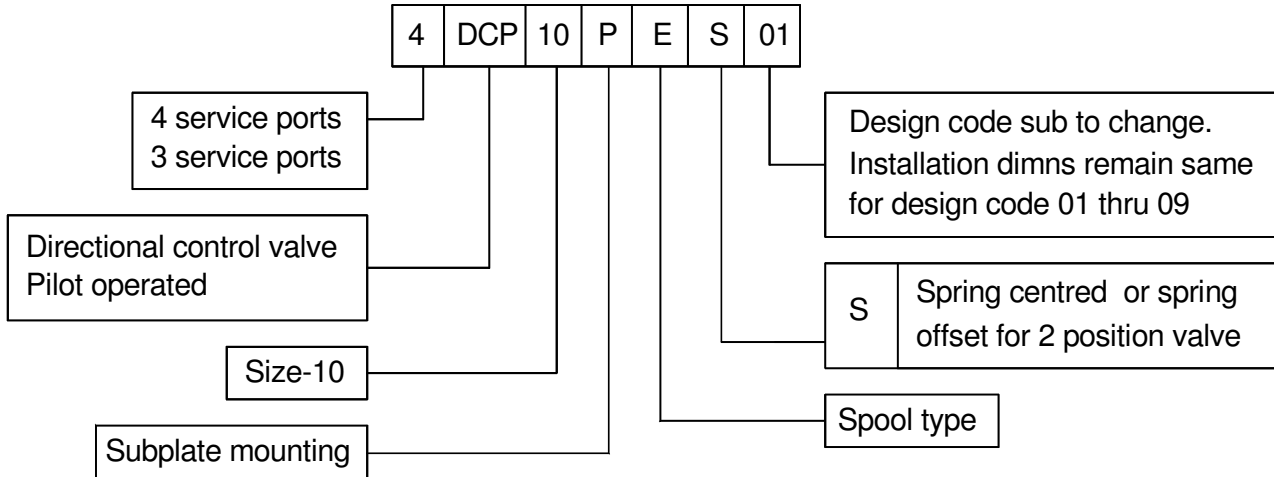


Table showing the relation between spool type, direction of flow & curve in the above graph to be referred to.

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
M	..	6	6	2	3
P	4	1	1	2	8

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Ordering Code



Spool chart

Type	Symbol	Crossover	Type	Symbol	Crossover
A			J		
C			M		
D			P		
E			T		
F					
G					
H					

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