

PILOT OPERATED DIRECTIONAL CONTROL VALVE MODEL : 4DP20

Description

Completely encapsulated mechanism for protection against dirt.

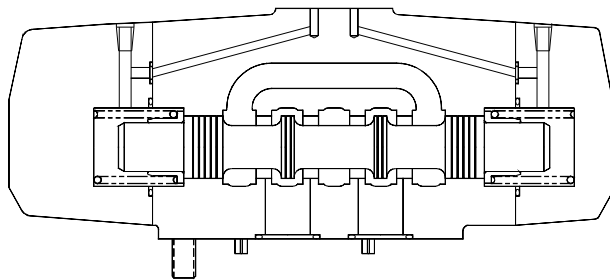
Available as spring centred, spring offset or detented model.

Internal or external drain available as an optional feature.

Valve mounting interface conforms to International and National standards.

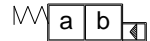


Section

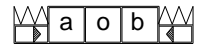


Hydraulic Symbol

2 position spring offset

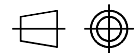
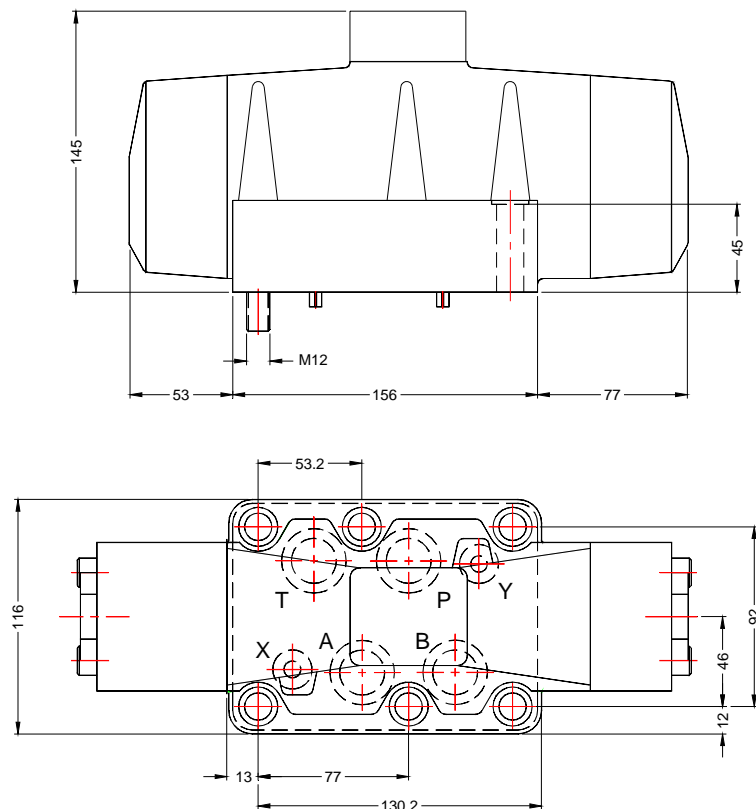


3 position spring centred



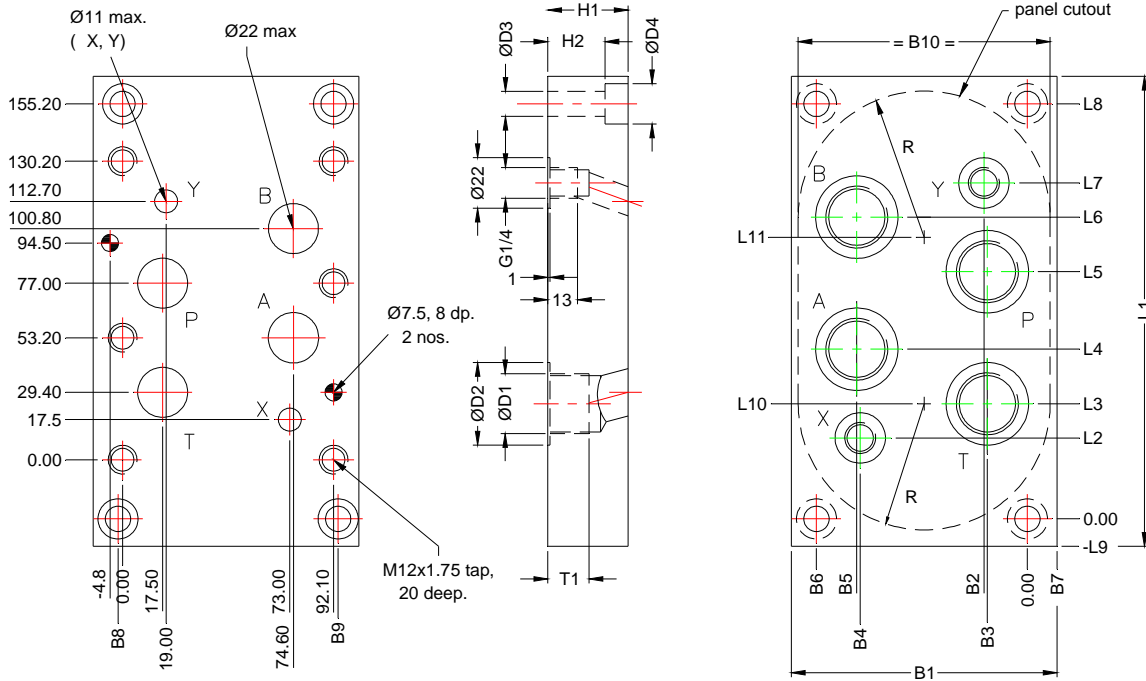
Unit Dimensions

Dimensions in mm.



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Subplate



Subplate type	D1	D2	T1	D3	D4	H1	H2	B1	B2	B3	B4	B5	B6	B7	B8	B9
CET07G04	G3/4	36	18	11	17.5	35	25	116	17.5	19	73	74.5	92.1	-12	0	92.1
CET07G05	G1	44	18	11	17.5	35	25	116	17.5	19	73	74.5	92.1	-12	0	92.1
CET07G06	G1-1/4	54	21	14		78	43	170	32	36	106	110	142	-14	-25	117

Subplate type	B10	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	R	Mass (kg)
CET07G04	110	205	35.3	50.2	74	107.8	131.6	146.5	181	-12	50.2	131.6	-25.8	55	6
CET07G05	110	205	35.3	50.2	74	107.8	131.6	146.5	181	-12	50.2	131.6	-25.8	55	6
CET07G06	160	250	16.8	60.2	84	137.8	161.6	205	222	-14	50.2	119	-46	113	19

Note :- Valve fixing screws M12x1.75(12.9) x 65 L, 6 nos. Tightening torque 105 Nm

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Technical Specifications

Construction	Spool type
Mounting	Subplate mounting as per ISO 4401-AE-08-4-A and IS-10187-20 mm diameter nominal port.
Mounting position	Optional
Flow direction	As per spool type.
Operating pressure	For port P, A, B, X and Y 350 bar For port T 250 bar
Minimum pilot pressure	5 bar
Hydraulic medium	Mineral oil
Viscosity range	10 cSt to 380 cSt
Fluid temperature range	-20 to +70
Fluid cleanliness requirement	As per ISO 16/13 or better.
Maximum flow handling capacity	Refer performance curves.
Mass	17.5 kg approx.

Performance Curves

Oil used :- ISO VG46, Viscosity : 46 cSt @ 40 °C, Temp @ test 50°C

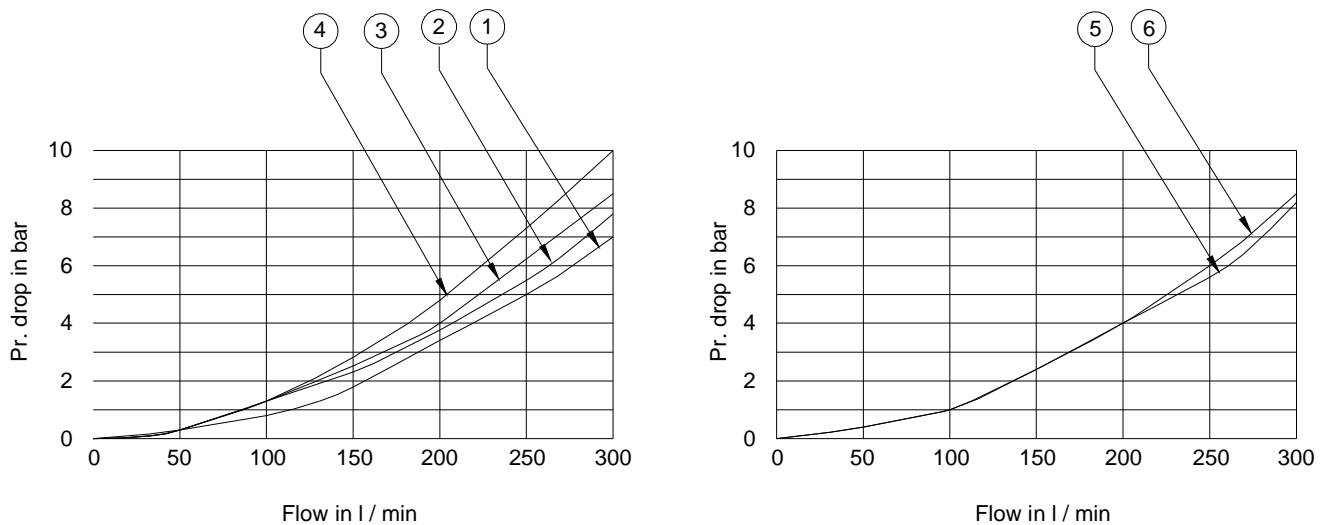
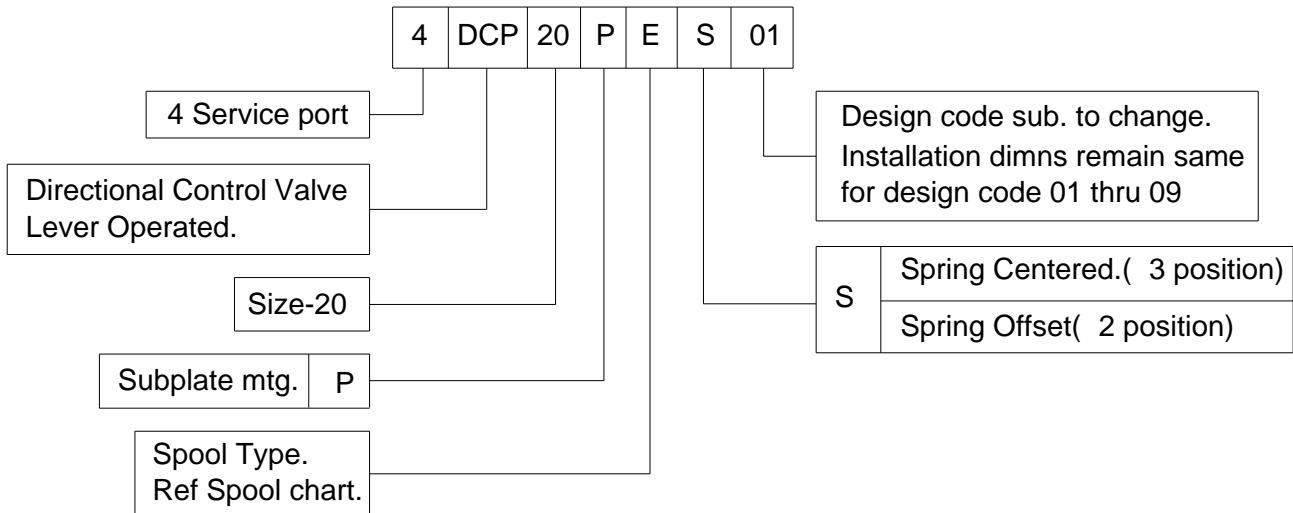


Table showing the relation between the spool type, direction of flow and the curve in the above graph to be referred to.

Direction of flow	P to T	P to A	P to B	A to T	B to T
Spool type	Curve no.				
E	-	2	2	2	2
F	-	1	1	1	2
G	3	6	6	5	4
H	-	-	-	1	1
J	-	2	2	1	1
L	-	2	2	1	2
P	-	1	1	2	1

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Ordering code



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

Note :- Subplate to be ordered separately

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