

PFC-Y-Z PRIORITY FLOW CONTROL VALVE

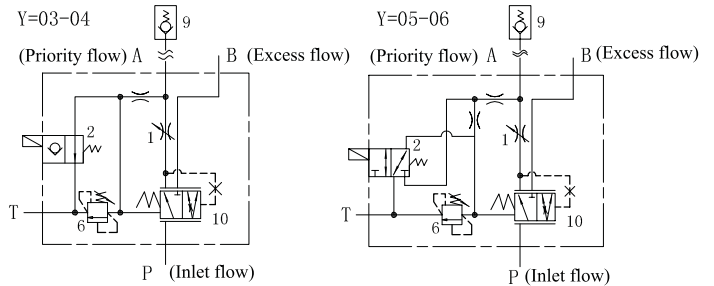
PFC-Y-Z priority flow control valve can supply a priority pressure compensated flow on demand (normally controlled by a switch), and it incorporate a pressure relief control for the priority outlet.

It's fitted to existing hydraulic systems to power additional hydraulic tools or attachments with a constant pressure compensated flow(ex:hydraulic hammers)

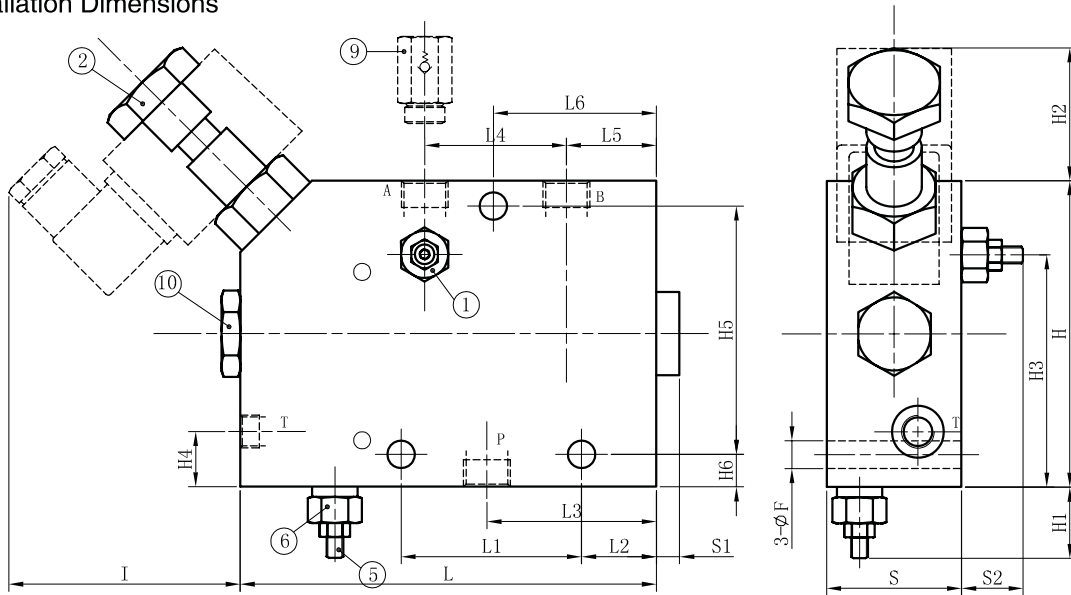


Technical data

Max. Operating pressure: 350 bar (5000 psi)	
Max. Priority line pressure: limited by relief valve (6) (see table "Z")	
Back pressure at T port : max 1.5 bar (20 psi)	
Drain from T, with solenoid valve non-energized:	up to 1.5 l/min (up to 0.4 gpm)
Steel body	



Installation Dimensions



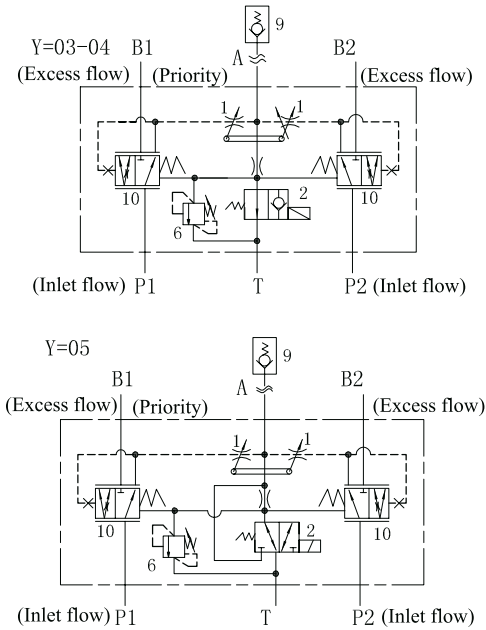
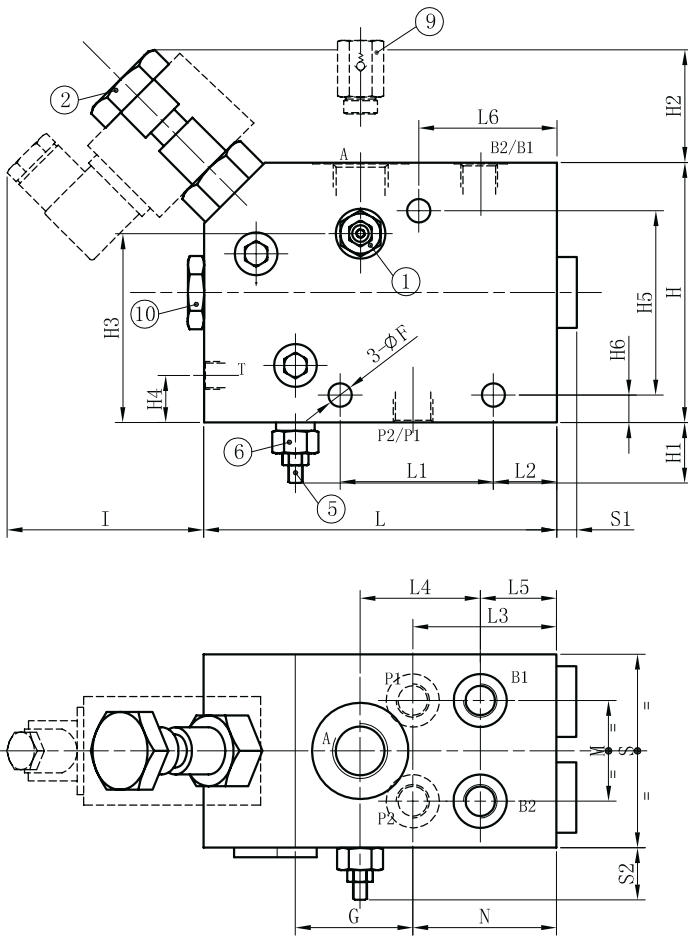
S2	S1	S	L6	L5	L4	L3	L2	L1	L	I	H6	H5	H4	H3	H2	H1	H	F	Y
32	5	70	86	54.5	62.5	88.5	48	76	190	68	18	90	14	92	41	34	130	9	G 1-1/4
32	5	60	74.5	46.5	56.5	78	36.5	76	173	68	15	90	13.5	80.5	41	34	120	9	G 1
32	5	50	59	37	44	61	34	50	140	73	13.5	73	13	69.5	41	34	100	9	G 3/4
32	5	40	54.5	35.5	38	56.5	29.5	50	130	76	8.5	73	12.5	60	41	34	90	8.5	G 1/2

Y	PORT SIZE		INLET FLOW (max) l/min (gpm)	REGULATED PRIORITY FLOW	
	P-A-B	T		l/min (gpm) max	l/min (gpm) per turn
03	G 1/2	G 1/4	100(26)	85(23)	approx.18(4.8)
04	G 3/4	G 1/4	200(53)	140(37)	approx.20(5.3)
05	G 1	G 1/4	300(79)	220(58)	approx.26(6.9)
06	G1-1/4	G 1/4	400(106)	300(80)	approx.28(7.4)

Z	PRIORITY PRESSURE RANGE		
	Adj. Press. range bar (psi)	Press. Increase bar (psi) turn	Std setting bar (psi)
20	50-210 (725-3000)	48 (696)	200 (2900)
35	100-350 (1450-5000)	95 (1378)	350 (5000)

▶ PFCC-Y-Z PRIORITY FLOW CONTROL VALVE

PFCC-Y-Z priority flow control valves are 6 way, with two separate inlets :P1 and P2", and three outlets "A" and "B1" and "B2". It can supply a constant pressure compensated priority flow to "A" through "P1" and "P2". It's fitted to existing hydraulic systems to power additional hydraulic tools or attachments with a constant pressure compensated flow(ex:hydraulic hammers)



▶ Technical data

Max. Operating pressure:	350 bar (5000 psi)
Max. Priority line pressure:	limited by relief valve (6) (see table "Z")
Back pressure at T port :	max 1.5 bar (20 psi)
Drain from T, with solenoid valve non-energized:	up to 1.5 l/min (up to 0.4 gpm)
Steel body	

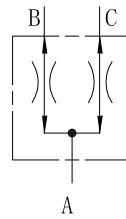
S2	S1	S	L6	L5	L4	L3	L2	L1	L	I	H6	H5	H4	H3	H2	H1	H	F	G	M	N	Y
21	4.5	109	70.5	42	61	78	32.5	76	173	73	14.5	90	16.5	80	38	34	139	9	41	56	103	G 1
21	4.5	89	59	34	47	61	34	50	140	73	17.5	73	16.5	73.5	38	34	124	9	29	46	81	G 3/4
21	4.5	69	53.5	38	35.5	56.5	28.5	50	129.5	73	8.5	63	13.5	60	38	34	100	9	26	33	73.5	G 1/2

Y	PORT SIZE			INLET FLOW (max)		REGULATED PRIORITY FLOW	
	P1-P2 B1-B2	A	T	l/min (gpm)		l/min (gpm) max	l/min (gpm) per turn
				P1	P2		
03	G 1/2	G 3/4	G 1/4	100(26)	100(26)	150 (40)	approx.32 (8.45)
04	G 3/4	G 1	G 1/4	200(53)	200(53)	250 (65)	approx.35 (9.25)
05	G 1	G 1-1/4	G 1/4	300(79)	300(79)	390 (103)	approx.46 (12.15)

Z	PRIORITY PRESSURE RANGE		
	Adj. Press. range bar (psi)	Press. Increase bar (psi) turn	Std setting bar (psi)
20	50-210 (725-3000)	48 (696)	200 (2900)
35	100-350 (1450-5000)	95 (1378)	350 (5000)

DTP SERIES FLOW DIVIDER TYPE

The flow divider DTP has two function, dividing and combining of fluid flow, The regulator divides the fluid flow in the direction from A to B and C, and combines flows in the direction from B and C to A, The dividing / combining ratio is 50% :50%, independent of pressure in respective pipeline, B or C.



DTP- - - - - *

Size 6 = 6; 10 = 10

Flow rate

- DTP-6 8 -20 l/min =20
- DTP-6 12-35 l/min =35
- DTP-6 16-50 l/min =50
- DTP-10 35-70 l/min =70

Threaded connections
 DTP-6 M 18X1.5 =no desig
 DTP-6 G 3/8 =G 3/8
 DTP-10 M 22X1.5 =M 22
 DTP-10 G 1/2 =G 1/2

NBR seals for mineral oil HL, HLP=no desig
 FPM seals for HETG, HEES HEPG=E

Special requirements to be briefly specilied

Technical data

		DTP-6-20	DTP-6-35	DTP-6-50	DTP-10-70
Min. Flow rate	l/min	8	12	16	35
Max. Flow rate	l/min	20	35	50	70
Max.pressure range	bar	bar315			
Dividing	%	50:50			
Flow dividing accuracy	%	± 5			
Oil temperature range	°C	-20 to +70			
Viscosity range	mm ² /s	15 to 380			
Filtration	NAS 1638	9			

Ordering code

