



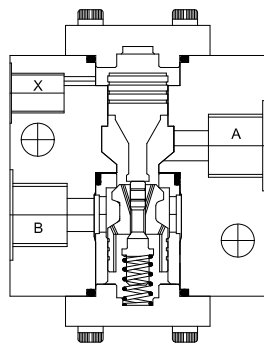
PILOT OPERATED CHECK VALVE PCI

Description

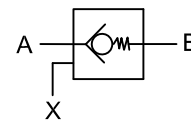
Seat type valves, internal drain construction.
Six sizes in threaded port body.
Three size in subplate mounting construction.
Subplate mounting interface conforms to ISO 5781 (draft)



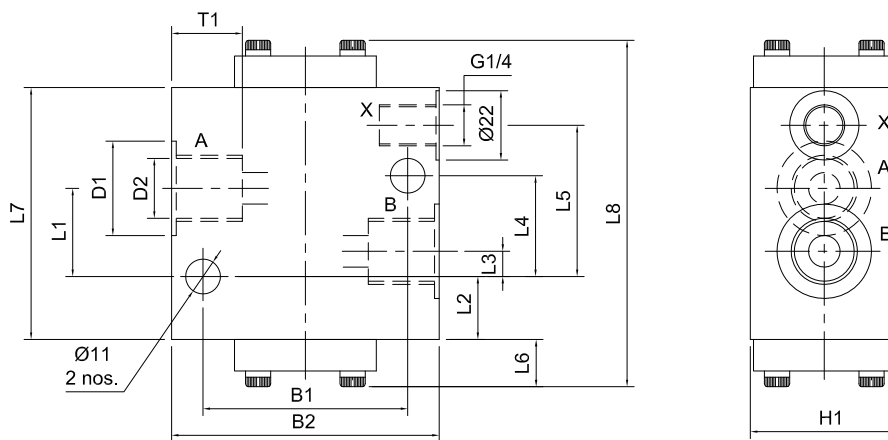
Section



Hydraulics Symbol



Unit Dimensions



SIZE	Mass Kgs.	B1	B2	ØD1	ØD2	H1	L1	L2	L3	L4	L5	L6	L7	L8	T1
10	2.4	66.5	85	30	G 1/2"	50	27.5	18.5	10.5	33.5	49	18	80	116	14
16	4.0	79.5	100	36	G 3/4"	60	36.7	17.3	13.5	50.5	67.7	20	95	135	16
20	4.0	79.5	100	44	G 1"	60	36.7	17.3	13.5	50.5	67.7	20	95	135	18
25	8.4	97	120	54	G11/4"	75	54.5	15.5	20.5	73.5	89.5	29	115	173	20
30	8.4	97	120	60	G11/2"	75	54.5	15.5	20.5	73.5	89.5	29	115	173	22



Subplate mounting valves

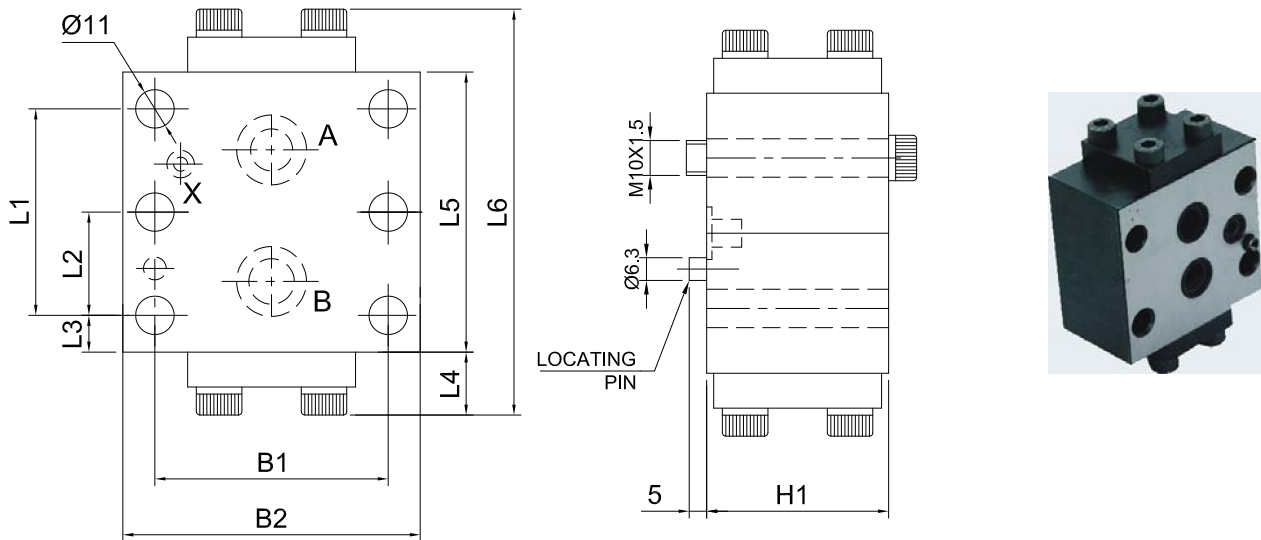


Table-2

SIZE	Mass Kgs.	B1	B2	H1	L1	L2	L3	L4	L5	L6
10	2.5	66.7	85	50	42.9	--	18.5	18	80	116
20	4.1	79.4	100	60	60.3	--	17.5	20	95	135
30	8.5	96.8	120	75	84.1	42.1	15.5	29	115	173

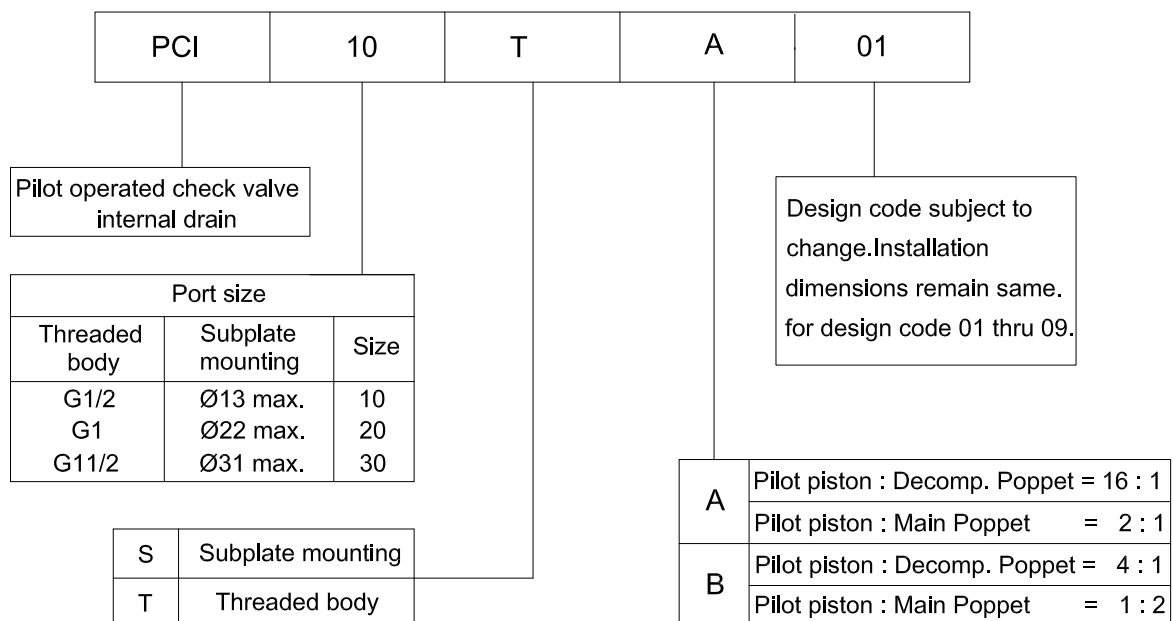


PILOT OPERATED CHECK VALVE PCI

Technical specification

Construction	Seat type valves, with decompression poppet.	
Mounting	Threaded port or subplate mounting.	
Mounting position	Optional.	
Direction of flow	Free flow from A to B Piloted open from B to A	
Operating pressure	315 bar for Port A, B and X.	
Cracking pressure	1 bar	
Area ratios	(A)	Pilot piston : Decomp. Poppet = 16 : 1 Pilot piston : Main Poppet = 2 : 1
Area ratios	(B)	Pilot piston : Decomp. Poppet = 4 : 1 Pilot piston : Main Poppet = 1 : 2
Viscosity range	10 cSt to 380 cSt.	
Fluid temperature range	-10°C to +80°C	
Max. flow handling capacity	Size	l / min
	10	80
	20	160
	30	350
Mass	Refer Table 1.	

Ordering code



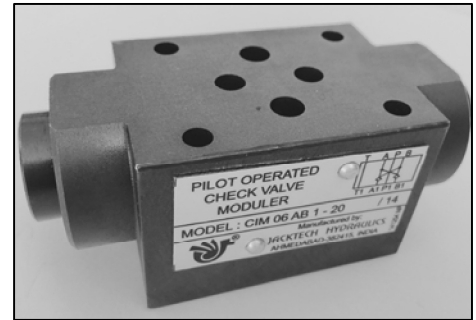


PILOT OPERATED CHECK VALVE MODULAR CONSTRUCTION CIM 06

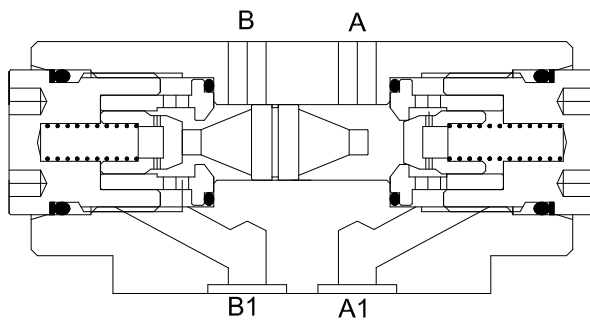
Description

These modular valves are available with the pilot operated check valve facility on either A or B or both A & B ports. The hydraulics opening operation for free flow in reverse direction is achieved by means of internal pilot pressure available from the other working port.

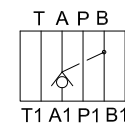
To ensure proper closure of both valve poppets, both user connections should be unloaded when the control valve is in the neutral position by connecting with the return line.



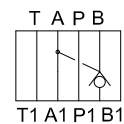
Section



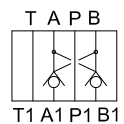
Hydraulics Symbol



CIM 06 A

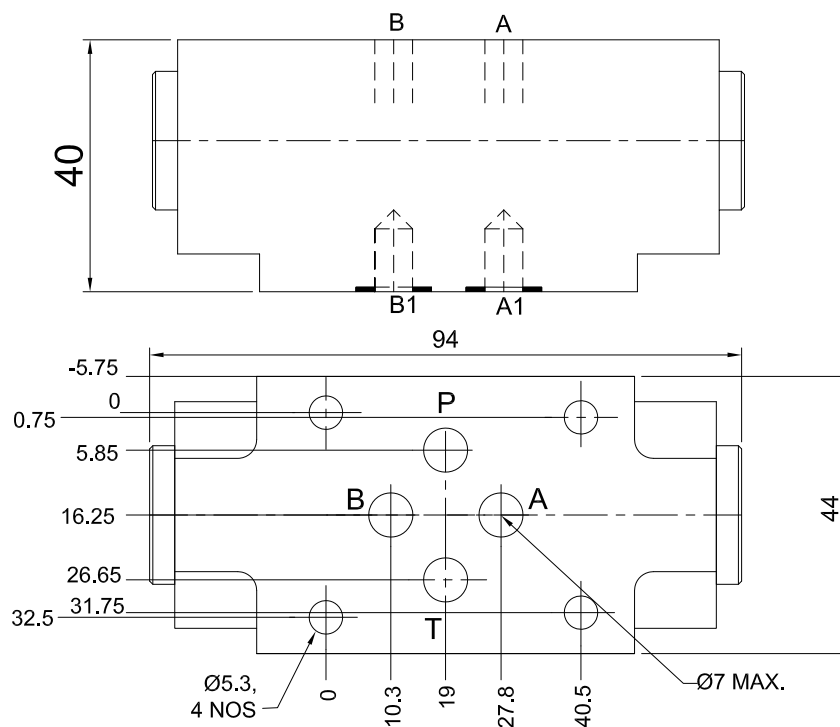


CIM 06 B



CIM 06 AB

Unit Dimensions



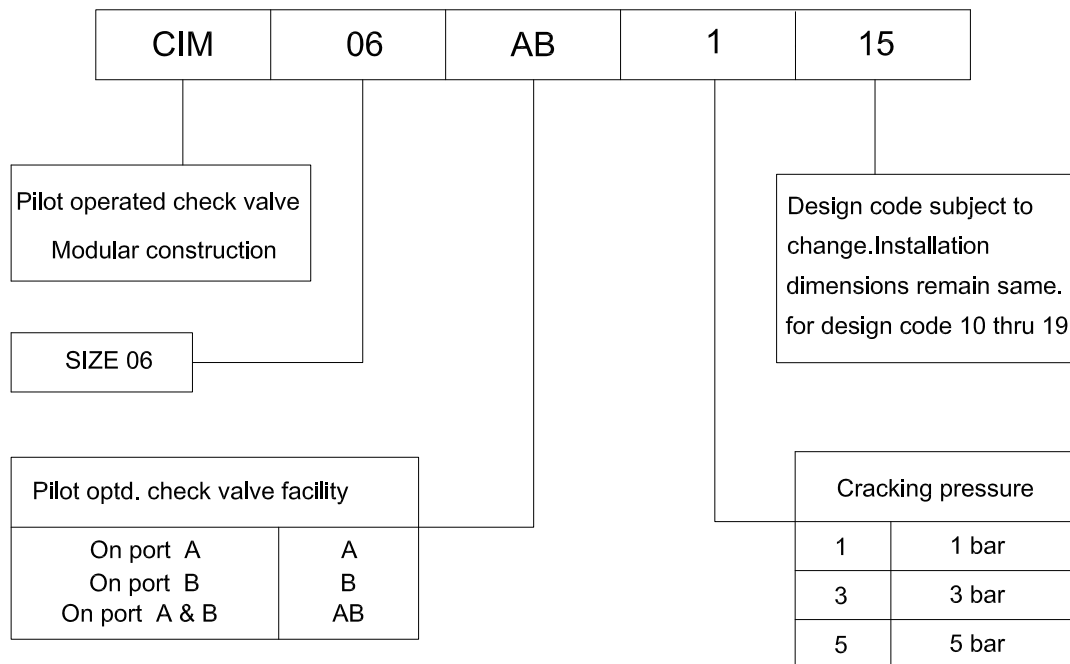


**PILOT OPERATED CHECK VALVE
MODULAR CONSTRUCTION
CIM 06**

Technical specification

Construction	Modular, seat type, internally pilot operated
Mounting	Modular type , conforming to IS 10187 ISO 4401-AB-03-04-A DIN 24340
Mounting position	Optional
Direction of flow	Free flow from A to A1 and/or from B to B1 Piloted open flow in opposite direction.
Operating pressure	315 Bar for all ports
Cracking pressure	1 , 3 & 5 bar
Area ratio-pilot piston:poppet seat	2.6 : 1
Viscosity range	10 cSt to 380 cSt.
Fluid temperature range	-10°C to +80°C
Nominal flow handling capacity	35 L/min
Mass	0.86 kg

Ordering code





**PILOT OPERATED CHECK VALVE
MODULAR CONSTRUCTION
CIM 10**

Technical specification

Construction	Modular, seat type, internally pilot operated
Mounting	Modular type , conforming to IS 10187 ISO 4401-AB-03-04-A DIN 24340
Mounting position	Optional
Direction of flow	Free flow from A to A1 and/or from B to B1 Piloted open flow in opposite direction.
Operating pressure	315 Bar for all ports
Cracking pressure	1 , 3 & 5 bar
Area ratio-pilot piston:poppet seat	4 : 1
Viscosity range	10 cSt to 380 cSt.
Fluid temperature range	-10°C to +80°C
Nominal flow handling capacity	80 L/min
Mass	2.05 kg

Ordering code

