



# PRESSURE REDUCING/ STOP VALVE



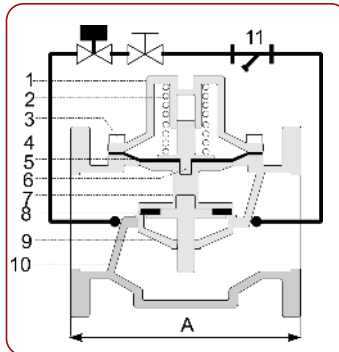
# P17

## DIRECT ACTING

### DESCRIPTION

#### Mechanical Characteristics:

Pressure Reducing Valve. A Pressure Reducing Pilot Valve controls the main valve. When the output pressure reaches the set range of the Pressure Reducing Valve, the pilot will automatically sense the outlet pressure. This adjusts the pressure in the back pressure chamber in the main valve body. The gate is then opened which maintains the output pressure.



Pressure Adjusting Range:

- 1 - 6 Bar
- 4 - 9 Bar

### SPECIFICATIONS & DIMENSIONS

Model: Screwed Port						Orifice mm	Dimensions mm
A	B	C					
P17	40	O/V		1 1/2"	40	150	
P17	50	P/W		2"	50	170	
Model: PN16 Flanged (PN10, PN25 & ANSI 150 upon request).							
P17	50	FL		2"	50	190	
P17	65	FL		2 1/2"	65	210	
P17	80	FL		3"	80	225	
P17	100	FL		4"	100	250	
P17	150	FL		6"	150	310	
P17	200	FL		8"	200	420	
P17	250	FL		10"	250	530	
P17	300	FL		12"	300	650	

No.	Description	Body Material			
		Cast Iron	Ductile Iron	Bronze	St Steel
1	Gauge	Cast Iron	Ductile Iron	Bronze	St Steel
2	Cover	St. Steel	St. Steel	St. Steel	St. Steel
3	Fixed Bolt	St. Steel	St. Steel	St. Steel	St. Steel
4	Main Body	Cast Iron	Ductile Iron	Bronze	St. Steel
5	Diaphragm	NBR	NBR	NBR	----
6	Diaphragm Fixed Bar	Bronze	Bronze	Bronze	St. Steel
7	Shaft	Cast Iron	Ductile Iron	Bronze	St. Steel
8	Sealing Spacer	NBR	NBR	NBR	----
9	Seat	Bronze	Bronze	Bronze	St. Steel
10	Centre Shaft	Bronze	Bronze	Bronze	St. Steel
11	Strainer	Bronze	Bronze	St. Steel	St. Steel
12	Stop Valve	Bronze	Bronze	Bronze	St. Steel
13	Pilot Reducing Valve	Bronze	Bronze	Bronze	St. Steel

TEST PRESSURE			
CAST IRON	DUCTILE IRON	BRONZE	STAINLESS STEEL
21 Bar	25 Bar	21 Bar	35 Bar

WORKING PRESSURE			
CAST IRON	DUCTILE IRON	BRONZE	STAINLESS STEEL
12 Bar	16 Bar	12 Bar	22 Bar

### ORDER CODES

A	Body	B	Ported Body	Flanged Body PN16. (others upon request).		C	Seals (fluid temp. min / max)		
I	316 Stainless Steel	O	1 1/2" BSP	2A	2" PN16	6A	6" PN16	0	NBR (-15°C to +80°C)
C	Cast Iron	V	1 1/2" NPT	25A	2 1/2" PN16	8A	8" PN16	1	VITON (-5°C to +100°C)
D	Ductile Iron	P	2" BSP	3A	3" PN16	10A	10" PN16		
B	Bronze	W	2" NPT	4A	4" PN16	12A	12" PN16		
				5A	5" PN16				

Flow Chart of PRV (Diaphragm Type)

