

Pressure Reducing Valve - Pilot Piston type - 1 1/2" to 12"

Benefits & Features

- Compact design with no external pipe work to damage
- Pressure adjustment screw on pilot assembly
- Internal diaphragm (pilot) controls main piston body
- Pressure gauge indicates reduced pressure setting
- Constant outlet pressure, unaffected by inlet pressure fluctuations
- Designed for water supply lines, air conditioning systems etc
- High flow, ideal for firefighting applications



Specification

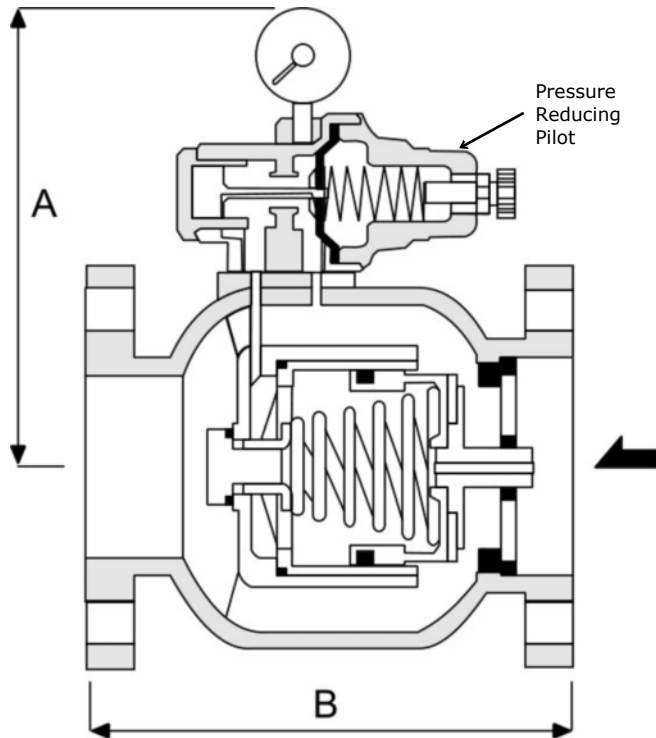
Configuration	Pilot piston design
Port Sizes	2" to 12" flanged
Orifice	see table below
Kv	see table below
Body	Bronze, cast iron, ductile iron, 304 Stainless Steel and 316 stainless steel
Media	Air, water, liquids etc. subject to material compatibility
Pressure ranges	1 - 7 Bar 4 - 12 Bar
Seals	VITON -15 to +90°C

Technical Data

	A	B	C	Orifice mm	Min. Bar	Maximum Differential Pressures. Bar.				KV L/Min.	
						Bronze	Cast Iron	Ductile Iron	Stainless Steel		
P02	50			2"	50	0.3	16	16	20	22	1072
P02	65			2 1/2"	65	0.3	16	16	20	22	1501
P02	80			3"	80	0.3	16	16	20	22	2002
P02	100			4"	100	0.3	16	16	20	22	3718
P02	125			5"	125	0.3	16	16	20	22	5577
P02	150			6"	150	0.3	16	16	20	22	7865
P02	200			8"	200	0.3	16	16	20	22	14300
P02	250			10"	250	0.3	16	16	20	22	22880
P02	300			12"	300	0.3	16	16	20	22	31460

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Weights & Dimensions



Port Size	Weight Kg	Dimensions mm	
		A	B
2"	10	95	190
2 1/2"	13	100	210
3"	16	115	225
4"	22	127	250
5"	30	150	280
6"	42	165	310
8"	85	205	420
10"	150	240	470
12"	200	275	530

Order Codes

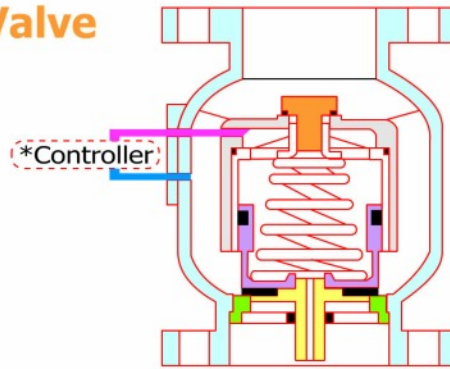
A	Body	Flanged Body PN16. ANSI 150 upon request.				C	Seals (fluid temp min / max)
T	Bronze	FL2A	2" PN16	FL6A	6" PN16	1	VITON (-15°C to + 80°C)
C	Cast Iron	FL212A	2 1/2" PN16	FL8A	8" PN16		
D	Ductile Iron	FL3A	3" PN16	FL10A	10" PN16		
H	304 Stainless Steel	FL4A	4" PN16	FL12A	12" PN16		
I	316 Stainless Steel	FL5A	5" PN16				

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Materials of construction

Multi Function Control Valve

* By substituting the controller valve, the multi - function valve can become:
 Solenoid Valve
 Float Valve
 Pressure Relief Valve
 Pressure Reducing Valve
 Pressure Sustaining Valve
 Check Valve



- Main body
- Cylinder Bolt
- Cylinder
- Inlet to Controller
- Outlet From Controller
- U ring piston
- Inlet Guide
- Sealing seat face
- O rings

Part Name	Materials			
	Cast Iron	Ductile Iron	Bronze	Stainless Steel
Main Body	Cast Iron	Ductile Iron	Bronze	Stainless Steel
Cylinder Bolt	Brass	Brass	Brass	Stainless Steel
O Ring	NBR	NBR	NBR	NBR/VITON
Cylinder	Bronze	Bronze	Bronze	Stainless Steel
Spring	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
U Ring	NBR	NBR	NBR	NBR/VITON
Piston	Bronze	Bronze	Bronze	Stainless Steel
Sealing	NBR	NBR	NBR	NBR/VITON
Seat	Bronze	Bronze	Bronze	Stainless Steel
Shaft	Bronze	Bronze	Bronze	Stainless Steel
Controller	Brass	Brass	Brass	Stainless Steel

