

Pressure Reducing Valves - Direct Acting

Benefits & Features

- Water
- Media temperature: +90°C & + 180°C
- 316 Stainless Steel body
- High accuracy, and dependable in operation
- Included pressure gauge indicates the adjusted pressure
- Option for degreased internals, silicone free

Specification

Configuration	Direct Acting
Port Sizes	1/2" to 2" BSP/NPT screwed ports. 1/2" - 6" PN16 Flanged
Body test pressure	35 Bar
Max. Applied pressures	25 Bar inlet. Outlet pressure ranges: 1-6, 4-10, 8-13 & 13-18bar
Body	316 Stainless Steel
Media	Water, Air, Gases, Steam etc
Max. Temp	+ 80°C (NBR), + 100°C (VITON), or +180°C (TEFLON)



Technical Data

Model: Screwed Port						Orifice mm	Nominal Pressure	Kv	Cv
	A		B	C					
P08	I	15	F/G		1/2"	15	25	35	2.4
P08	I	20	H/I		3/4"	20	25	59	4
P08	I	25	L/M		1"	25	25	95	6.5
P08	I	32	O/V		1 1/2"	32	25	193	13
P08	I	50	P/W		2"	50	25	253	17
Model: PN16 Flanged (PN10, PN25 & ANSI 150 upon request).									
P08	I	15	FL		1/2"	15	25	35	2.4
P08	I	20	FL		3/4"	20	25	59	4
P08	I	25	FL		1"	25	25	95	6.5
P08	I	40	FL		1 1/2"	40	25	193	13
P08	I	50	FL		2"	50	25	253	17
P08	I	65	FL		2 1/2"	65	25	447	30
P08	I	80	FL		3"	80	25	626	42
P08	I	100	FL		4"	100	25	1118	75
P08	I	150	FL		6"	150	25	2534	170



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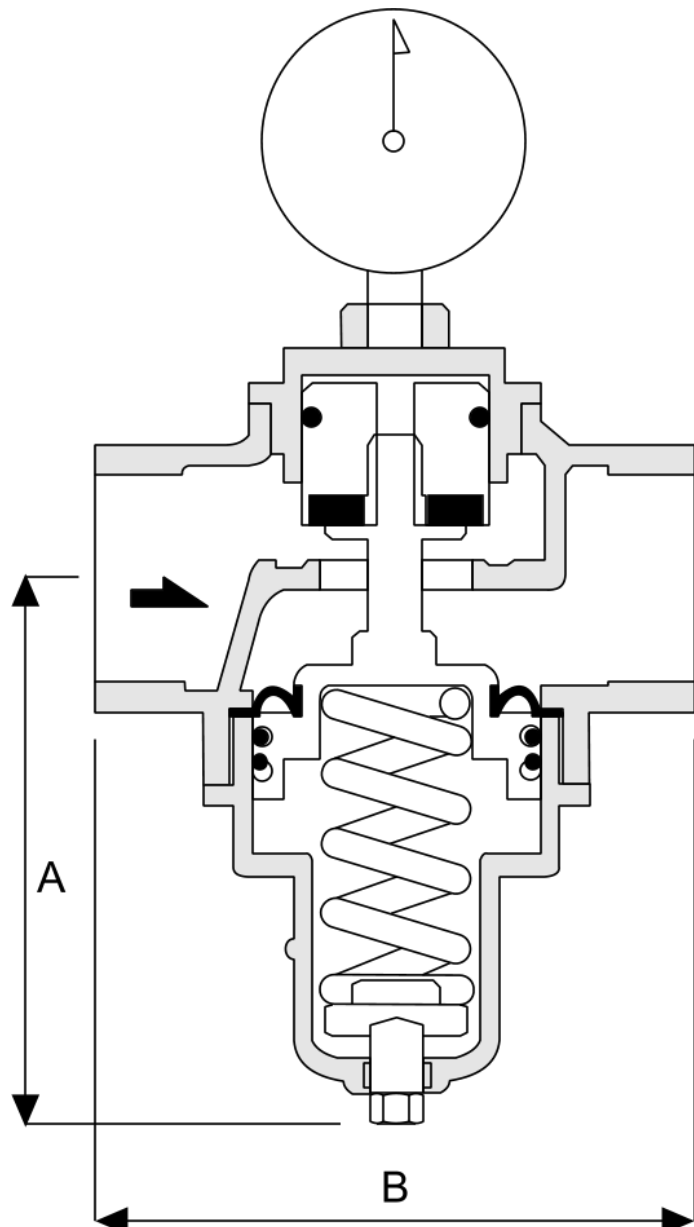
Weights & Dimensions

Screwed Port

Screwed Port	Weight Kg	Dimensions mm	
		A	B
1/2"	0.8	80	70
3/4"	0.9	105	85
1"	1	105	92
1 1/2"	2.2	130	115
2"	3.1	130	120

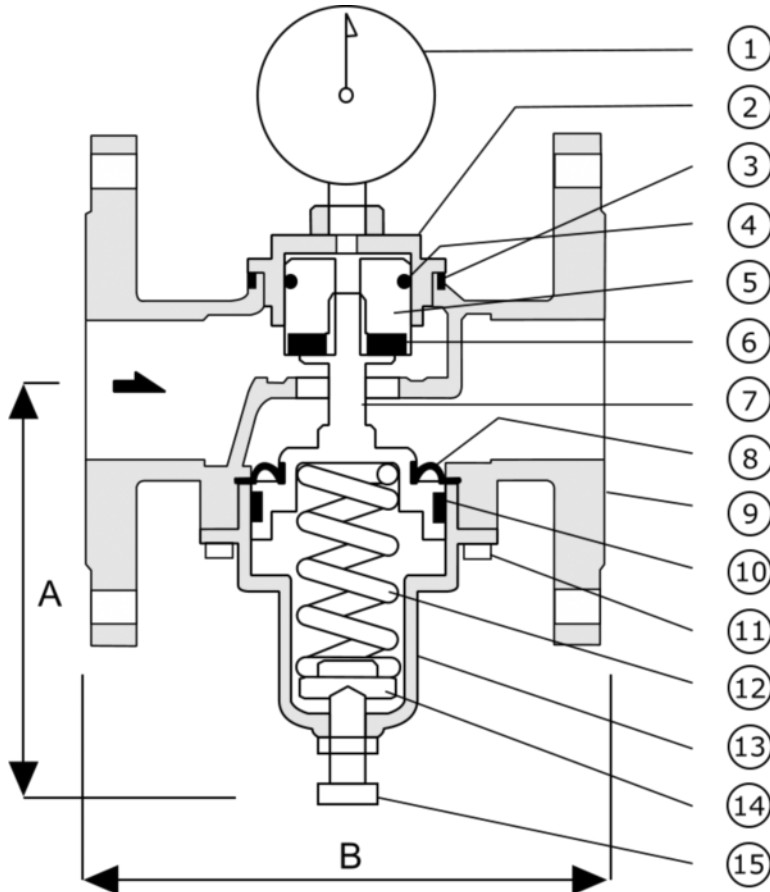
Flanged Port

Flanged Port	Weight Kg	Dimensions mm	
		A	B
1/2"	2	80	150
3/4"	2.8	105	150
1"	3.5	105	150
1 1/4"	5.9	130	190
1 1/2"	5.9	130	190
2"	6.5	130	190
2 1/2"	11.5	185	210
3"	12	185	225
4"	19	230	250
6"	45	270	310



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Materials



No.	Description	Material
1	Gauge	Stainless Steel
2	Upper Cover	316 Stainless Steel
3	O ring	NBR/VITON
4	U Ring	NBR/VITON
5	Piston	316 Stainless Steel
6	Sealing Spacer	NBR/VITON/TEFLON
7	Shaft	316 Stainless Steel
8	Diaphragm	NBR/VITON
9	Main Body	316 Stainless Steel
10	UH ring	NBR/VITON
11	Fixed Bolt	304 Stainless Steel
12	Spring	Spring Steel
13	Lower Cover	316 Stainless Steel
14	Washer	Brass
15	Adjusting Stem	316 Stainless Steel

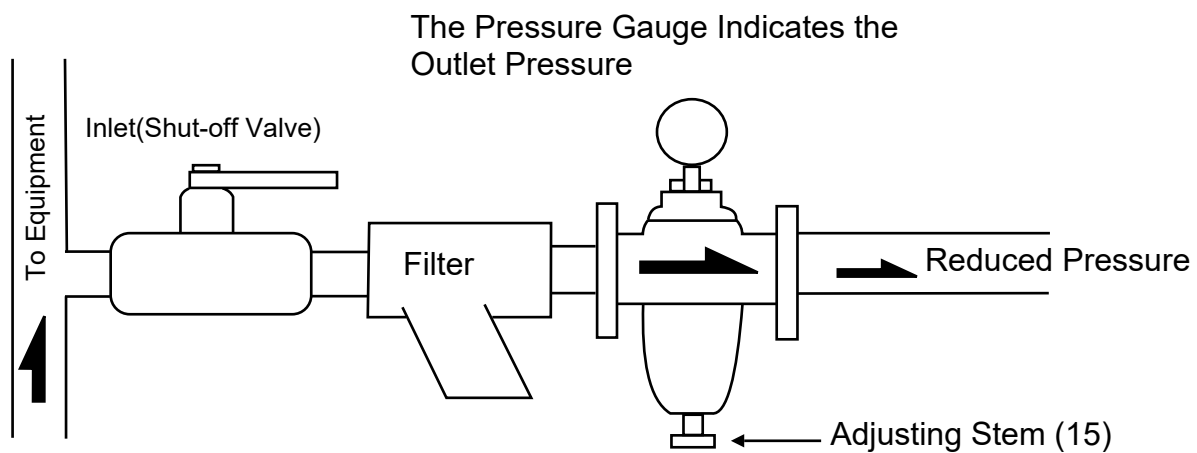
Order Codes

A	Body Material	B	Ported Body		PN16 'A', (PN10/PN25 'B', ANSI 150/300 upon request)				C	Seals	D	Options	
I	316 Stainless Steel	F	1/2" BSP	G	1/2" NPT	12A	1/2" PN16	25A	2 1/2" PN16	0	NBR (-10°C to + 80°C)	SG	Oxygen Service
		H	3/4" BSP	I	3/4" NPT	34A	3/4" PN16	3A	3" PN16	1	VITON (-10°C to + 100°C)		
		L	1" BSP	M	1" NPT	1A	1" PN16	4A	4" PN16	10	TEFLON (-15°C to + 185°C)		
		O	1 1/2" BSP	V	1 1/2" NPT	15A	1 1/2" PN16	6A	6" PN16				
		P	2" BSP	W	2" NPT	2A	2" PN16						



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System Installation



Installation Procedure

1. Clean & remove all the impurities inside the pipes. We recommend the installation of an inline filter.
2. Make sure the flow direction is correct.
3. The setting pressure increases by turning the adjusting stem (13) clockwise.
4. The pressure gauge indicates the inlet pressure.

Adjusting the Setting Pressure:

1. Turn the adjusting stem to the lowest pressure.
2. Adjusting the pressure to the required setting by turning stem (15) clockwise.
Tighten the nut to fix the adjusting stem.



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Flow Orientation

The Pressure Gauge Indicates the Outlet Pressure

