

Pressure Reducing Valves - WRAS Approved

Benefits & Features

- Water
- Media temperature: +85°C
- 316 Stainless Steel body
- High accuracy, and dependable in operation
- Included pressure gauge, indicates the adjusted pressure

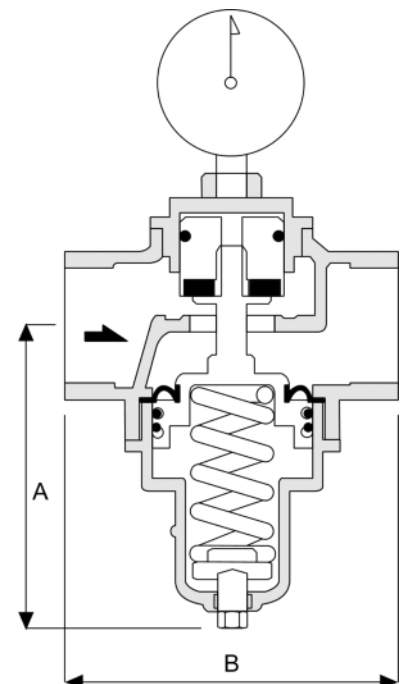


Specification

Configuration	Direct Acting
Port Sizes	1/2" to 2" BSP 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 and 8-13 Bar
Body	316 Stainless Steel
Media	Potable water
Max. Temp	+ 85°C (EPDM)

Technical Data

Model: Screwed Port						Orifice mm	Nominal Pressure	KV Flow Factor L/Min.	Weight Kg
	A		B	C					
P48	I	15	F/G		1/2"	15	25	34	0.8
P48	I	20	H/I		3/4"	20	25	129	0.9
P48	I	25	L/M		1"	25	25	157	1
P48	I	32	O/V		1 1/2"	32	25	200	2.2
P48	I	50	P/W		2"	50	25	357	3.1
Model: PN16 Flanged (PN10, PN25 & ANSI 150 upon request).									
P48	I	15	FL		1/2"	15	25	34	2
P48	I	20	FL		3/4"	20	25	129	2.8
P48	I	25	FL		1"	25	25	157	3.5
P48	I	40	FL		1 1/2"	40	25	200	5.9
P48	I	50	FL		2"	50	25	357	6.5
P48	I	65	FL		2 1/2"	65	25	1072	11.5
P48	I	80	FL		3"	80	25	1144	12
P48	I	100	FL		4"	100	25	1716	19
P48	I	150	FL		6"	150	25	3575	45



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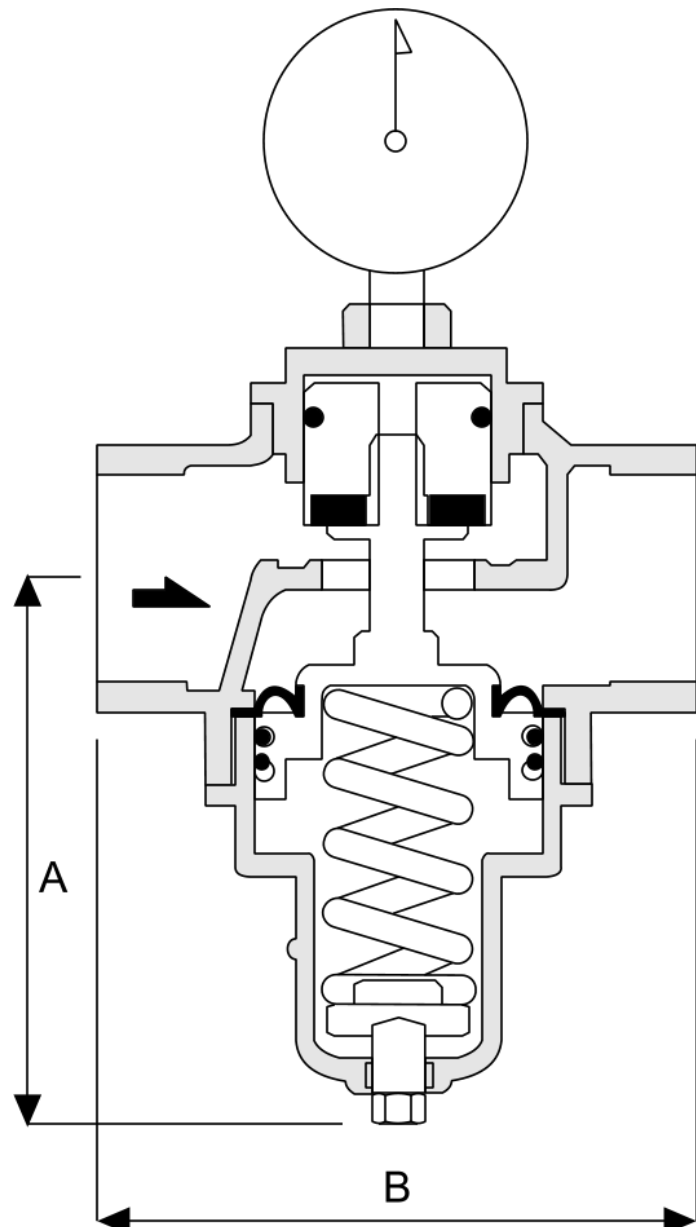
Weights & Dimensions

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

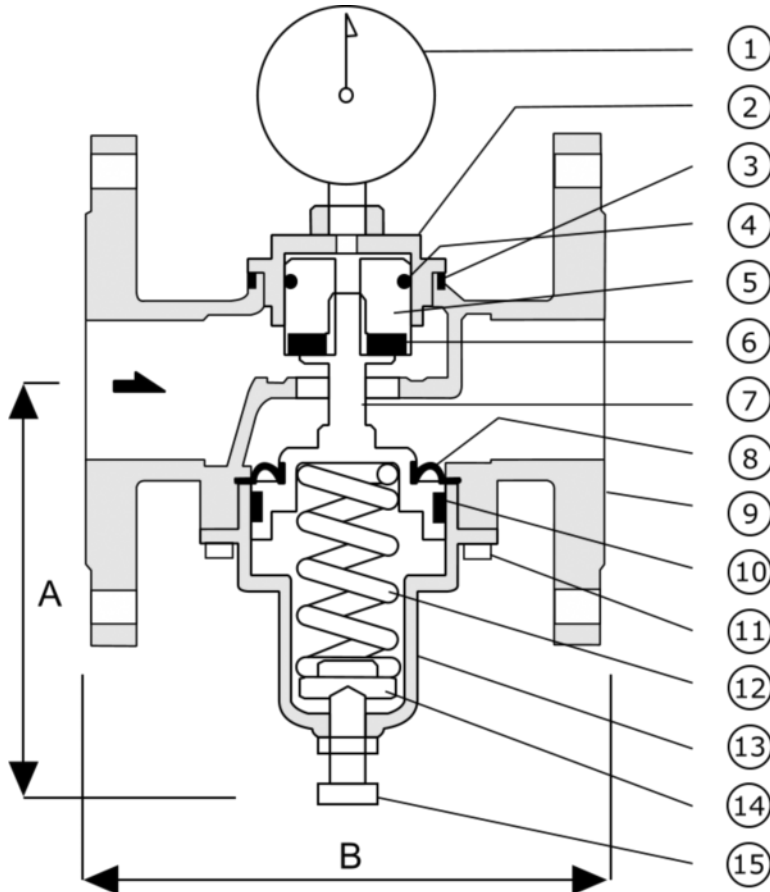
Flanged Port

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 1/2"	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



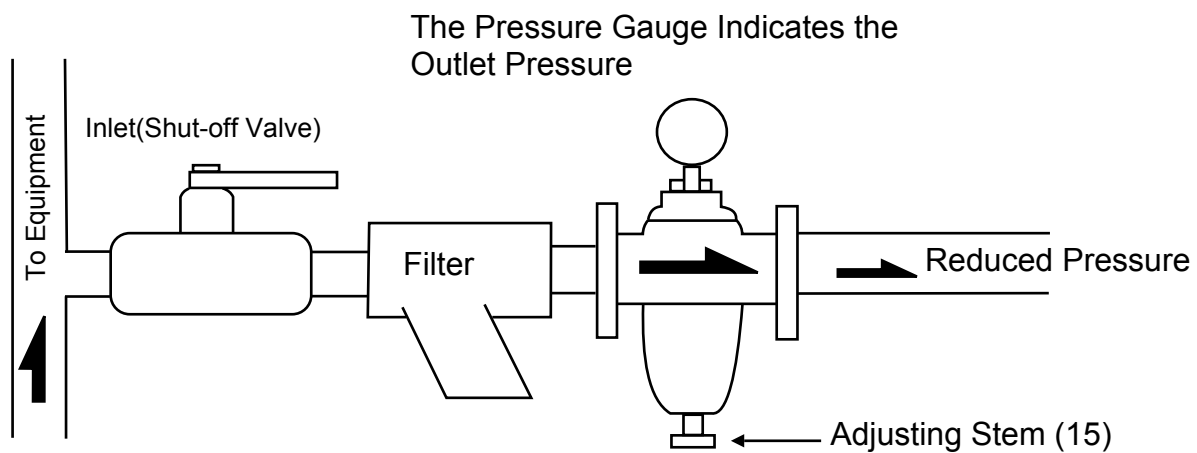
No.	Description	Material
1	Gauge	Stainless Steel
2	Upper Cover	316 Stainless Steel
3	O ring	EPDM
4	U Ring	EPDM
5	Piston	316 Stainless Steel
6	Sealing Spacer	EPDM
7	Shaft	316 Stainless Steel
8	Diaphragm	EPDM
9	Main Body	316 Stainless Steel
10	UH ring	EPDM
11	Fixed Bolt	304 Stainless Steel
12	Spring	Spring 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. (PN10/PN25 ANSI 150/300 upon request)			C	Seals	D	Options
I	316 Stainless Steel	F	1/2" BSP	12A	1/2" PN16	25A	2 1/2" PN16	6	EPDM (+ 85°C)	
		H	3/4" BSP	34A	3/4" PN16	3A	3" PN16			
		L	1" BSP	1A	1" PN16	4A	4" PN16			
		O	1 1/2" BSP	15A	1 1/2" PN16	6A	6" PN16			
		P	2" BSP	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

