

Low Pressure Reducing Valves - Direct Acting

Benefits & Features

- Water
- Media temperature: +90°C
- 316 Stainless Steel body
- High accuracy, and dependable in operation
- Included pressure gauge indicates the adjusted pressure



Specification

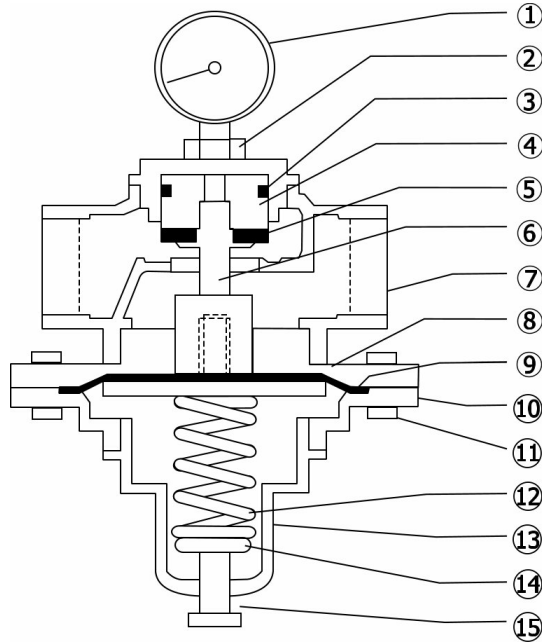
Configuration	Direct Acting
Port Sizes	1/2" to 2" BSP screwed ports. 1/2" - 2" PN16 Flanged
Body test pressure	16 Bar
Max. Applied pressures	10 Bar inlet. Outlet pressure ranges: 0.2-1.5, 0.6-2.0 bar
Body	316 Stainless Steel
Media	Water, Air, Gases
Max. Temp	NBR (-15°C to + 80°C), VITON (-15°C to + 90°C)

Technical Data

Model: Screwed Port					Orifice mm	Nominal Pressure	Pressure in Bar		KV Flow Factor L/Min.
A	B	C		test pressure					
P15	I	15	F/G		1/2"	15	10	16	35
P15	I	20	H/I		3/4"	20	10	16	129
P15	I	25	L/M		1"	25	10	16	157
P15	I	40	O/V		1 1/2"	40	10	16	300
P15	I	50	P/W		2"	50	10	16	357
Model: Flanged PN16									
P15	I	15	FL		1/2"	15	10	16	35
P15	I	20	FL		3/4"	20	10	16	129
P15	I	25	FL		1"	25	10	16	157
P15	I	40	FL		1 1/2"	40	10	16	300
P15	I	50	FL		2"	50	10	16	357

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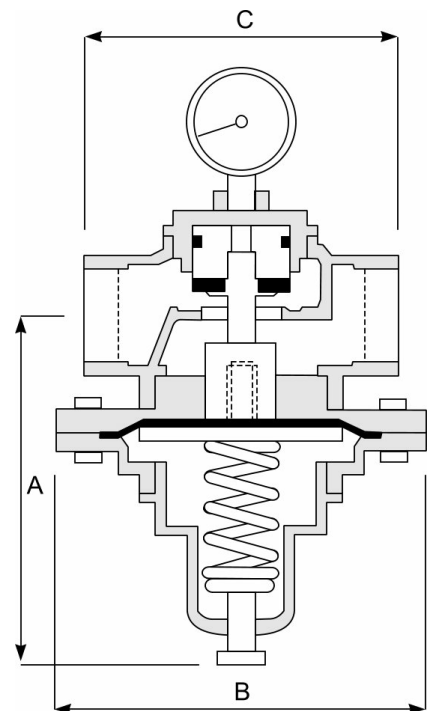
Materials



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

Weights & Dimensions

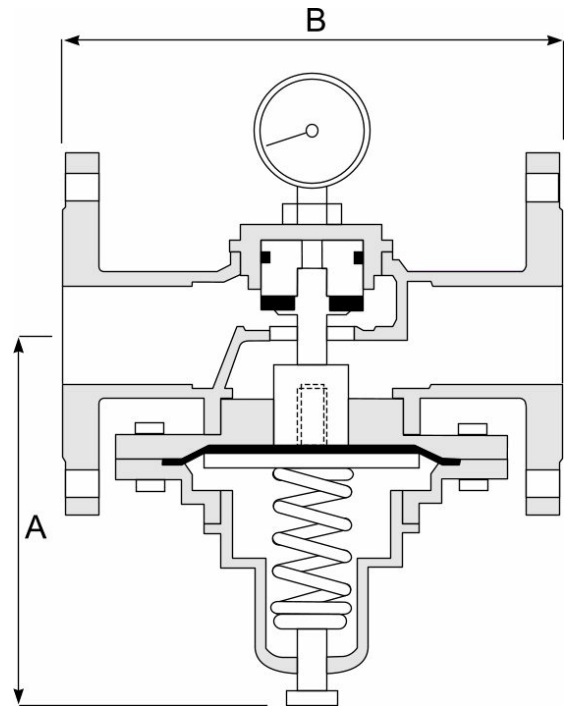
Screwed Port	Weight Kg	Dimensions mm		
		A	B	C
1/2"	0.8	110	105	70
3/4"	1	125	105	85
1"	1.05	125	105	90
1 1/2"	2.3	155	145	115
2"	2.5	155	145	120



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Weights & Dimensions

Flanged Port	Weight Kg	Dimensions mm	
		A	B
1/2"	2	110	150
3/4"	3	125	150
1"	5	125	150
1 1/2"	8	155	190
2"	12	155	190

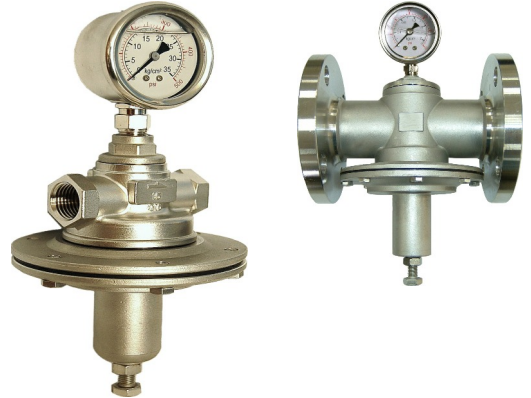


Order Codes

A	Body Material	B	Ported Body	PN16 Flanged	C	Seals	D	Options	
I	316 Stainless Steel	F	1/2" BSP	12A	1/2" PN16	0	NBR (-10°C to + 80°C)	SG	Oxygen Service
		H	3/4" BSP	34A	3/4" PN16	1	VITON (-10°C to + 90°C)		
		L	1" BSP	1A	1" PN16				
		O	1 1/2" BSP	15A	1 1/2" PN16				
		P	2" BSP	2A	2" PN16				

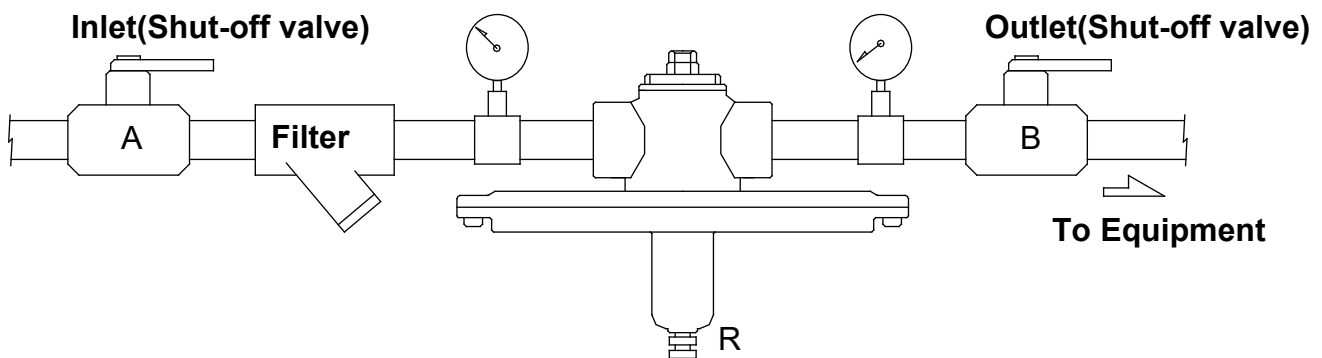
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Installation Instructions



Inlet pressure Gauge P1

Outlet pressure Gauge P2



Before Installation:

1. Clean & remove all the impurities inside the pipe. A filter is recommended to install.
2. Make sure the direction is correct.
3. Setting pressure gets higher by turning the adjusting stem clockwise.
4. The pressure gauge indicates the outlet pressure.
5. **The horizontal installation is obligatory. (The adjusting stem points down)**

Adjusting The Setting Pressure:

1. Install the Low-Pressure DAPRV on the pipe horizontally (at this moment, the valve A and B are closed).
2. Turn the adjusting stem by anti-clockwise direction to the lowest pressure.
3. Fully open Valve B and then open Valve A to 1/3 open.
4. Close Valve B slowly and make sure the pressure gauge of P2 is within a normal range.
5. If correct, turn Valve B to fully closed slowly.
6. Turn the adjusting stem R by clockwise direction (pressure will be going up) to the set pressure.
7. Slowly turn Valve A from 1/3 open to fully open.
8. Shut off Valve B slowly to check the valve can function by reducing the pressure.
9. Open and close Valve B for several times slowly to check whether the pressure is correct.
10. Open Valve B, and fix the adjusting stem to the correct set pressure.