LOW PRESSURE REDUCING VALVE

DIRECT ACTING STAINLESS STEEL

P15

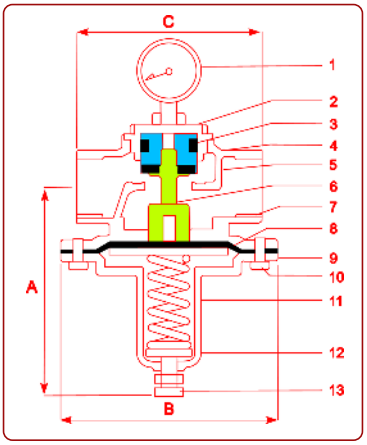
CE

DESCRIPTION

Mechanical Characteristics:

Direct Acting Very Low Pressure Reducing Valve. 316 Stainless Steel body, suitable for air, water, and light oil. Large lower diaphragm is more sensitive to low pressures. Adjustment is via stem (13) which alters the gate, effecting the outlet pressure. The pressure gauge accurately indicates the outlet pressure.
Available with female BSP or NPT ports, or PN16 flanged body. ANSI flanges available upon request.

Pressure Adjusting Range:
- 0.2 - 1.5 Bar



(Flanged model shown)

SPECIFICATIONS & DIMENSIONS

Model: Screwed Port						Orifice mm	Nominal Pressure	Pressure in Bar	KV Flow Factor L/Min.	Weight Kg	Dimensions mm		
	A		B	C				test pressure			A	B	C
P15	I	15	F/G		1/2”	15	10	16	35	0.8	110	105	70
P15	I	20	H/I		3/4”	20	10	16	129	1	125	105	85
P15	I	25	L/M		1”	25	10	16	157	1.05	125	105	90
P15	I	40	O/V		1 1/2”	40	10	16	300	2.3	155	145	115
P15	I	50	P/W		2”	50	10	16	357	2.5	155	145	120
Model: Flanged PN16													
P15	I	15	FL		1/2”	15	10	16	35	2	110	_	150
P15	I	20	FL		3/4”	20	10	16	129	3	125	_	150
P15	I	25	FL		1”	25	10	16	157	5	125	_	150
P15	I	40	FL		1 1/2”	40	10	16	300	8	155	_	190
P15	I	50	FL		2”	50	10	16	357	12	155	_	190

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

ORDER CODES

A	Body	B	Ported Body					Flanged Body PN16. ANSI 150 upon request.		C	Seals (fluid temp. min / max)
I	316 Stainless Steel	F	1/2” BSP	G	1/2” NPT			12A	1/2” PN16	1	VITON (-10°C to + 90°C)
		H	3/4” BSP	I	3/4” NPT			34A	3/4” PN16		
		L	1” BSP	M	1” NPT			1A	1” PN16		
		O	1 1/2” BSP	V	1 1/2” NPT			15A	1 1/2” PN16		
		P	2” BSP	W	2” NPT			2A	2” PN16		

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Installation Guide

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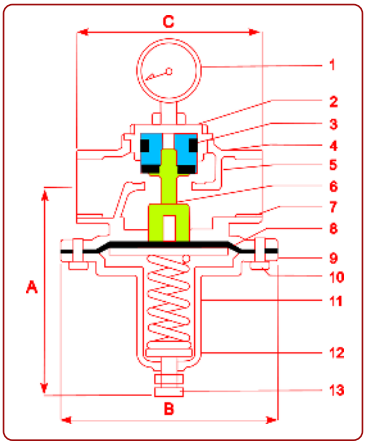
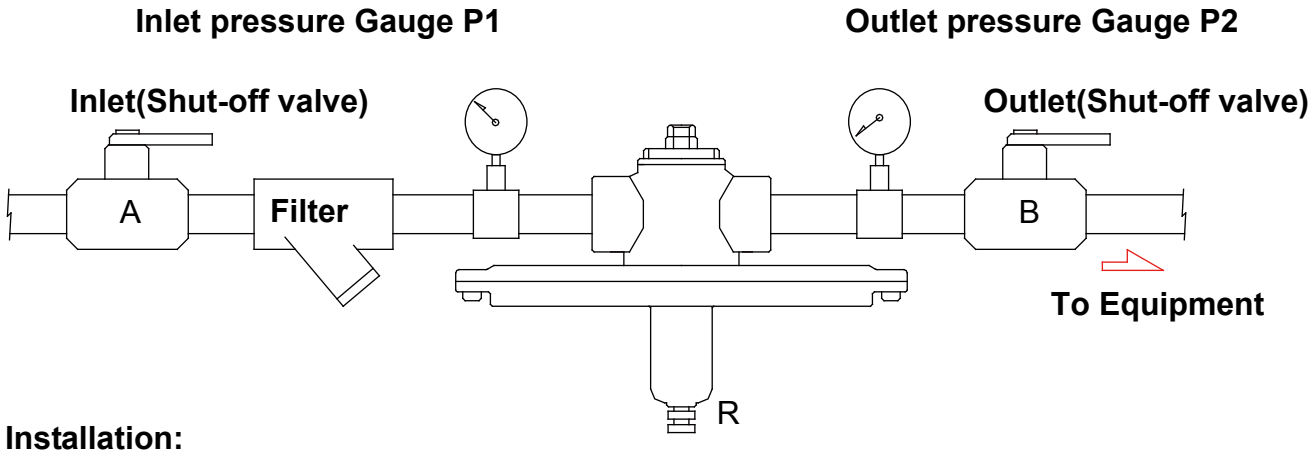


(Flanged model shown)

INSTALLATION DETAILS



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 b e 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.