



LEADER PRESSURE REDUCING VALVES

Specification : SPRING LOADED, PISTON TYPE WITH RUBBER DISC SCREWED FEMALE ENDS
MAXIMUM WORKING TEMPERATURE : 70°C



- ❑ PISTON ACTUATED
- ❑ LIGHT WEIGHT
- ❑ COMPACT
- ❑ SELF OPERATING
- ❑ SIMPLE TO SET
- ❑ CAN BE MOUNTED IN ANY POSITION
- ❑ WIDEST SPRING ADJUSTMENT.

LEADER water application Pressure Reducing valve will maintain a satisfactory reduced pressure under most operating condition and it has a wide application in the process work. Where regulation is required.

OPERATION

Fluid enters the valve through the inlet, establishes an equilibrium between the piston & the seat portion & then escapes through the outlet. The escaped fluid at outlet enters the piston chamber.

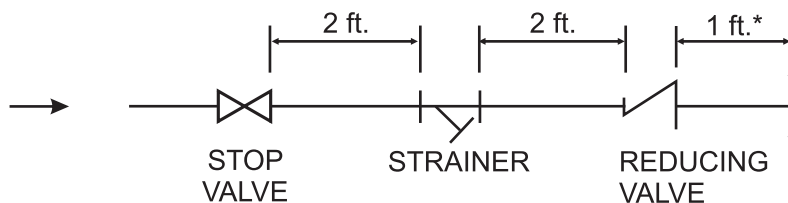
When the reduced pressure attains force more than the spring force, it starts compressing the spring downward. It gives pressure reduction at the outlet by closing the disc from the higher inlet pressure.

Turn the adjusting screw clockwise to increase, and anticlockwise to decrease the outlet pressure.

DATE REQUIRED WHILE ORDERING

Inlet Pressure, Outlet Pressure, Media, Temperature of the media, End Connection & other facts surrounding the installation which are pertinent thereto.

The installation should be done as per sketch shown below.



*No bend upto 1ft. after PRV.

It is preferable to keep the outlet size of pipe atleast 1.5 times of the inlet size for better operation.

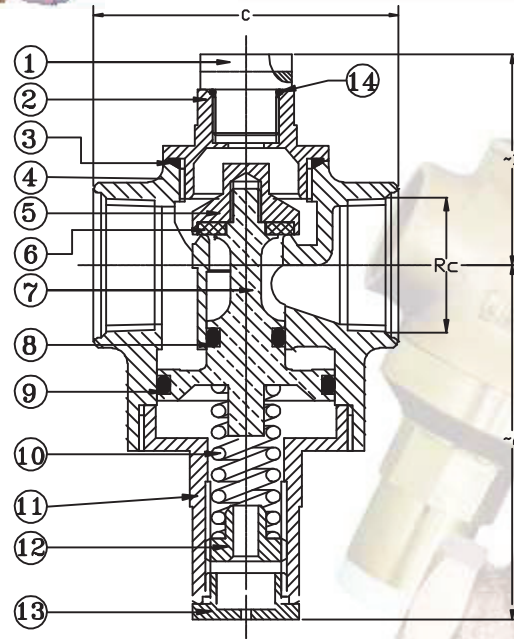
NOTE: The above data is subject to change without notice due to our continuing product improvement program.



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WITH RUBBER DISC SCREWED
FEMALE ENDS
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TEMPERATURE : 70°C



STANDARD MATERIAL COMBINATION

P.No.	Description	Material	Specification/Standard
1	TOP COVER PLUG	BRASS	BS2872:89 or 2874:56 Gr. CZ122
2	TOP COVER	G.M./ FORGED BRASS	En1982 GR CC 491K/BS2872:89 Gr. CZ132
3	BODY SEAL	EPDM	SHORE HARDNESS 60±P4
4	BODY	G.M	En1982 GR CC 491K
5	DISC HOLDER	BRASS ROD	BS2872:89 or 2874:86 Gr. CZ122
6	DISC	NEOPREN RUBBER	BS2752:90Gr.C70
7	STEM	G.M. / FORGED BRASS	BS2872:89Gr.CZ122
8	‘O’RING	EPDM	SHORE HARDNESS 60±P4
9	‘O’RING (PISTON)	EPDM	SHORE HARDNESS 60±P4
10	SPRING	SILICON STEEL	ZINC PLATED
11	BOTTOM COVER	G.M./ FORGED BRASS	En1982 GR CC 491K/BS2872:89 Gr. CZ132
12	ADJUSTING SCREW	H.T. BRASS	BS2872:89Gr.CZ122
13	BOTTOM COVER PLUG	PVC	-----
14	‘O’RING (TOP COVER)	EPDM	SHORE HARDNESS 60±P4

DIMENSIONAL DATA

SIZE (mm)	15	20	25	32	40	50
C±1	60	60	86	91	91	91
B	39	41.5	60.5	64.5	64.5	64.5
A	68	68.5	92.4	98	98	101
Rc	½"	¾"	1"	1 ¼"	1 ½"	2"
Aprox. Wt. ^	0.775	0.790	1.240	1.600	1.650	1.930
Item Code	GM 123	GM 123	GM 123	GM 123	GM 123	GM 123

TEST PRESSURES

BODY TEST (HYDROSTATIC)	MAX. INLET PRESSURE	OUTLET PRESSURE RANGE	STANDARD NO.
10 BAR	10 bar	0.5-6 bar	BS 6755:86 PART-1

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(^ WEIGHT GIVEN IN KGS)