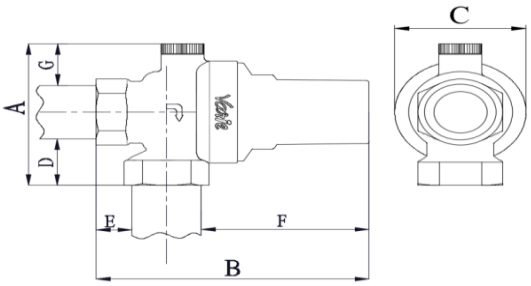
Pressure Reducing Valve - LP3

Introduction

The LP3 is a direct acting, Balanced seat design, Diaphragm operated PRV with a unique elbow design for cost savings and superior flow.

Technical Specifications

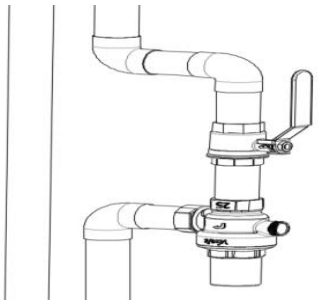
Dimensions and weight					
Size (in mm)	25	32	40	50	65
Size (in inch)	1''	1-1/4"	1-1/2"	2"	2-1/2"
Height (A)	85	84	100	122	128
Width (B)	125	121	172	180	183
Depth (C)	61	61	79	98	98
D	27	23	30	34	33
E	16	8	15	6	4
F	75	71	109	114	107
G	24	19	23	28	22
Weight(grm)	600	620	1120	1600	2000



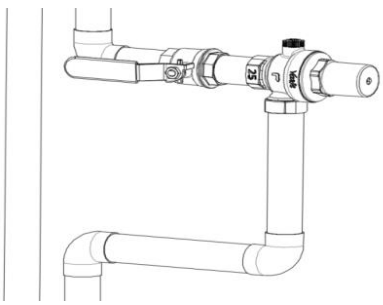
Options for installation on site

*Union, MTA etc can be installed as required.

PRV should be at least 1.5 mtrs above floor so servicing can be done



Option 1 (Recommended)



Option 2

Salient Features

- Lead free Stainless Steel SS-304 Body. Free from rust/corrosion dezincification issues.
- Reduces plumbing cost of elbow.
- Overall more Cost effective than straight line designs.
- Unique Elbow design helps achieve better flow capacity
- Lighter in Weight compared to all other PRV designs
- Since the PRV is "Diaphragm" operated it has better pressure control, less noise and less maintenance compared to the "piston" operated PRVs.
- Moreover Diaphragm is thin walled, corrugation shaped for better flexibility & smoother operation. Increased surface area of diaphragm reduces overall size of PRV. i.e. compactness.
- Nylon reinforced NBR diaphragm for better strength and longer life.
- Moving parts are of low weight engineering plastic (with metal insert) to ensure quick response time to changes in inlet pressure or flow conditions. Prevents water hammer, noise and give smoother pressure control.
- 'Cartridge design internals' - entire working mechanism is in a cartridge which operates independent of the body. Thus servicing is without removing body from pipe work.
- The valve cartridge is of high quality synthetic material and can be fully exchanged.
- In-built provision for inserting pressure gauge.
- Inlet pressure balancing - Fluctuating inlet pressure does not influence outlet pressure.

Range of Application

Medium	: water
Inlet Pressure	: Maximum 16 kg/cm^2
Max. Temp.	: 45°C (90°C for hot water)
Connection size	: 25,32,40,50,65 mm
End connections	: BSP Female threaded
Outlet Pressure	: 1 to 5 * kg/cm^2