

Pegler

Installation, Care and Maintenance Instructions

PRV4PT – Pressure Reducing Valve



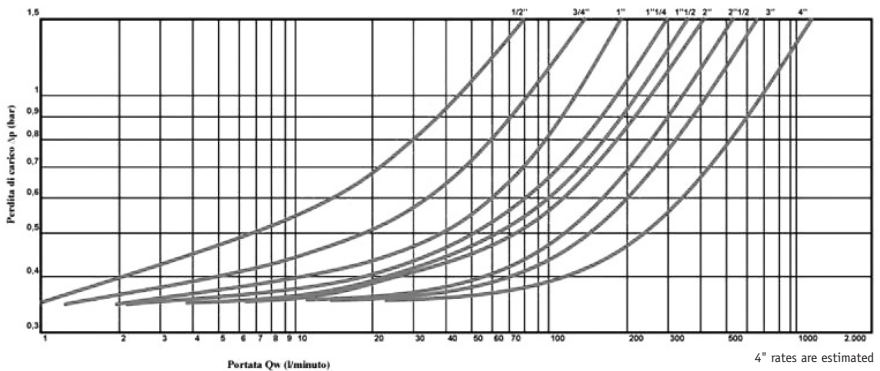
Features

- Brass water pressure reducing valves PN 25 with brass diaphragm functioning
- Maximum inlet pressure of 25 bar
- Maximum operating temperature: 80° C
- Adjustable outlet 0.5 - 6 bar; reduction rate 5:1
- Brass diaphragm
- Outlet pressure gauge connections 1/4" on both sides
- F x F connections ISO 228-1
- Stainless steel seat
- Stainless steel bar (pressure reducers bigger than 1")

Installation Guidelines

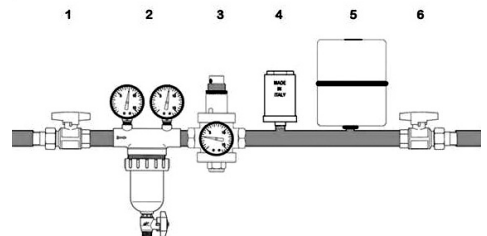
Pegler pressure reducing valves are suitable for domestic and industrial installations. In order to optimise use and life of the entire plant, please read the following installation guidelines. Before setting up the pressure reducer, remember to clean pipes removing sand, shavings, flashes, etc.

Discharge and Headloss Diagram



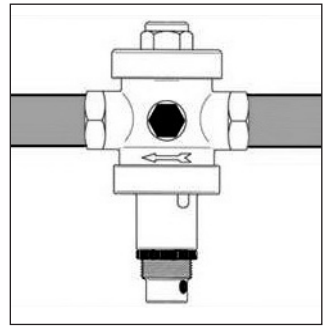
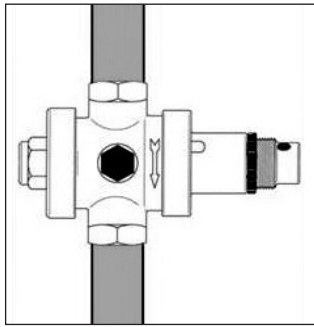
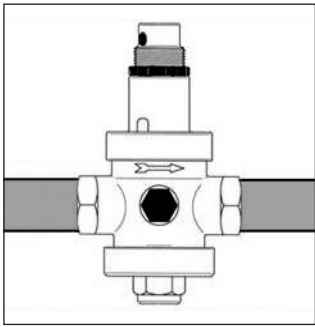
Typical Installation

- 1) Ball valve (PB500)
- 2) Self Cleaning Filter
- 3) PRV4PT Pressure reducing valve
- 4) Water hammer preventer
- 5) Expansion tank
- 6) Ball valve (PB500)



Orientation and Direction of Flow

In order to correctly set the pressure reducers, ensure that the flow direction indicated by the arrow embossed on the body of the pressure reducing valve is followed. The pressure reducing valves can work in any orientation (horizontal, vertical, up-side-down)



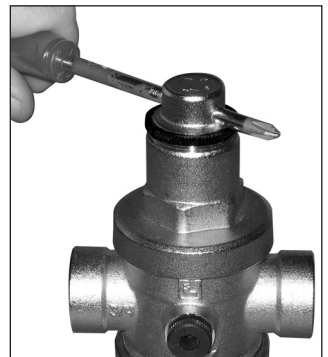
The PRV4PT pressure reducing valve has pressure gauge connections on both sides; both connections are placed on the outlet of the pressure reducing valve.

Pressure reducing valves should be installed at a reasonable distance from boilers; hot water produced by those devices, increases in volume and consequently also increases the pressure into the water plant downstream of the pressure reducing valve. This increase in pressure creates instability in the functioning of the pressure reducer. The fitting of an expansion vessel of the correct size between pressure reducers and boilers, will overcome this issue.

The PRV4PT pressure reducing valves are 100% tested and preset at 3 bar outlet.

To modify outlet pressure simply loosen the plastic locknut and turn the brass spring holder using a screwdriver as shown in the sequence below; by turning it clockwise the outlet pressure will be increased, turning it anticlockwise will reduce the outlet pressure.

The PRV4PT Pressure reducing valve must be set when the system is closed.



Our brands:

VSH Tectite

VSH XPress

VSH PowerPress

VSH Shurjoint

VSH MultiPress

Pegler Terrier

Pegler ProFlow

Pegler Valve

Pegler Prestex

Prestex

Yorkshire

Endex

Kuterlite



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