

POSITIONING PILOT VALVE

Model PBLX

This multi-purpose, direct acting, 3-Way positioning pilot is actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the set spring force.

The pilot directs flow and pressure between its ports:

- When sensed pressure is above set point, it connects port "0" to "3".
- When sensed pressure is equal to set point, it blocks connections between all ports.
- When sensed pressure is below set point, it connects port "3" with "2".

Features

- High Accuracy
- Transparent pressure reducing valve: Fully open at low inlet pressure
- Transparent pressure sustaining valve: Fully open at high inlet pressure

Typical Applications

- Pressure reducing in municipal pressure management and irrigation systems
- Pressure sustaining in automatic filtration systems
- Adjustable hydraulic relay (N.O. or N.C.)
- Automatic regulation override (feature 09)

Technical Data

Pressure Rating: 25 bar

Water Temperature Range: 0-80 °C

Flow Factor:

Ports "0" to "3": Kv 0.36

Ports "3" to "2": Kv 0.36

Height (H): 210 mm

Width (W): 95 mm

Weight: 2.7 Kg

Standard Materials:

Body: Stainless Steel

Cover: Stainless Steel 316

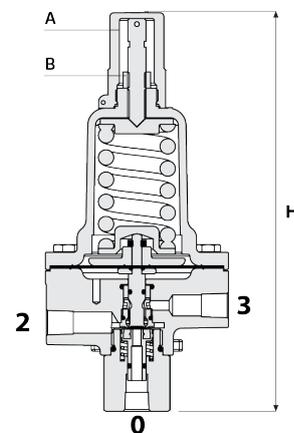
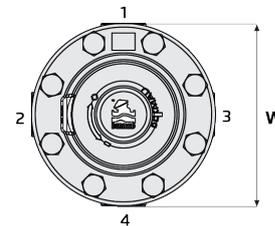
Elastomers: NBR / SBR

Internal Parts: Stainless Steel, Brass & POM-C

Spring: Stainless Steel

Adjustment Range:

Spring	Setting range
16	1-16 bar



Part	Description
A	Adjusting screw
B	Locking nut

Port	Size	Connections
0	¼" NPT	Upstream for reducing, vent for sustaining
1/4	¼" NPT	Remote sensing or pressure gauge
2	¼" NPT	Vent for reducing, upstream for sustaining
3	¼" NPT	Valve Control Chamber