



PRESSURE SUSTAINING PILOT VALVE

Model #3PBL

This is a direct acting Pilot Valve, actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the set spring force. Fully balanced trim ensures high accuracy and stability.

When used in a pressure sustaining circuit, the pilot modulates closed as upstream pressure drops below set point.

Features

- Internal or external pressure sensing
- Differential pressure sustaining valves: Modified to external & Differential sensing #3PBL-DR
- Direct pressure gauge installation (ports 1 or 3)

Typical Applications

- Pressure Sustaining Valves: Standard model #3PBL
- Differential Pressure Sustaining Valves: Modified to external & differential sensing #3PBL-DR
- Downstream Over Pressure Guard (additional feature 48): Modified to external pressure sensing #3PBL-R

Technical Data

Pressure Rating:

Bronze Body with Composite Cover: 16 bar; 232 psi (Standard)

Bronze Body with Brass Cover: 25 bar; 400 psi

Working Temperature: Water up to 60°C; 140°F

Flow Factor: Kv 0.96; Cv 1.13

Valve Size Range: Small - Medium

Standard Materials:

Body: Bronze

Cover: Brass or Composite (up to PN16)

Elastomers: NBR

Internals: Stainless Steel & Brass

Spring: Stainless Steel 302

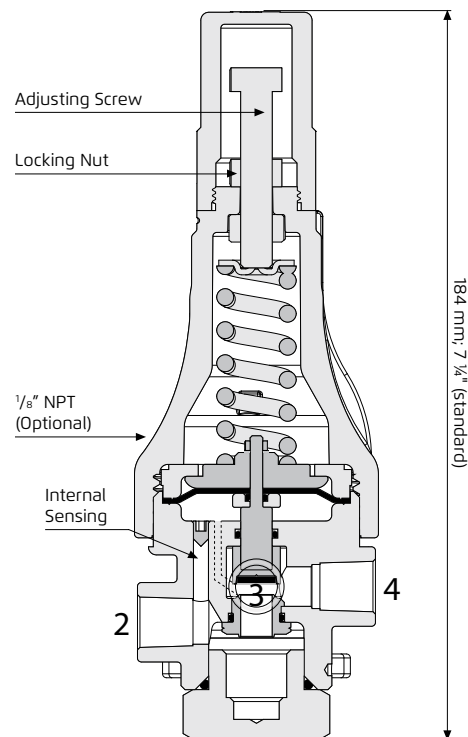
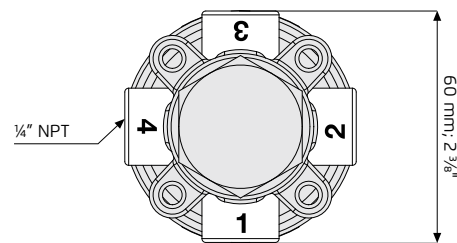
For other optional materials please consult Bermad.

Adjustment Range

Spring	Pressure	
	bar	psi
N	0.8-6.5	12-94
V	1-10	15-150
P	1-16	15-230

Connections

- 1 - Remote sensing (optional) or pressure gauge
- 2 - Upstream/Inlet
- 3 - Remote sensing (optional) or pressure gauge
- 4 - Downstream/Outlet



Weight:
With Composite Cover: 0.85 Kg.; 1.9 lbs.
With Brass Cover: 1.2 Kg; 2.6 lbs.

