



## Pressure Sustaining Pilot Valve

### Model #3PB

This is a direct acting pilot valve, actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the set spring force. When used in a pressure relief/sustaining circuit, the pilot modulates open as upstream pressure rises above set point.

### Features

- Internal or external pressure sensing
- Differential pressure sensing
- Direct pressure gauge installation

### Typical Applications

- Pressure relief/sustaining valve sizes 1 1/2"-4" (Standard model #3PB).
- Differential Pressure sustaining valve sizes 1 1/2"-4" (Modified to differential sensing #3PB-D)

### Technical Data

**Pressure Rating:** 25 bar; 350 psi

**Working Temperature:** Water up to 80°C; 180°F

**Flow Factor:** Kv 0.48 m<sup>3</sup>/h @ 1bar ΔP; Cv 0.56 GPM @ 1psi ΔP

**Standard Materials:**

**Body:** Bronze

**Cover:** Brass

**Elastomers:** NBR

**Internals:** Stainless Steel & Brass

**Spring:** Galvanized Steel

**Optional Materials:**

**Metal Parts:** Stainless Steel, Nickel Aluminum Bronze, Hastalloy

**Elastomers:** FPM (Viton®)

### Adjustment Range

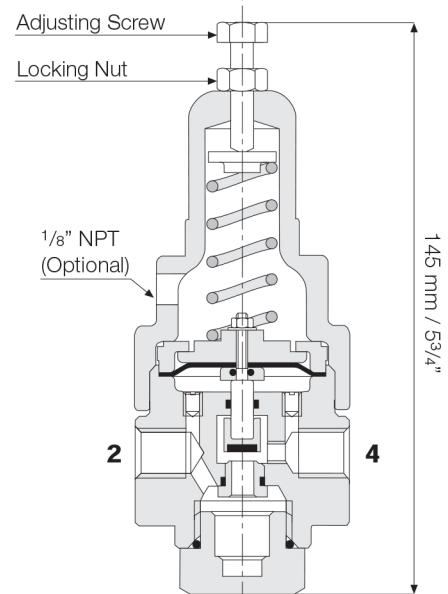
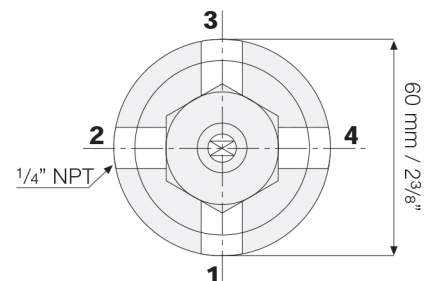
Spring	Pressure		
	bar	psi	
M	1-16	15-230	Standard
N	0.8-6.5	11-95	Optional
J*	0.2-1.7	3-25	

\* For #3PB-D, differential sensing

### Connections

- 1 - Remote sensing or pressure gauge
- 2 - Valve control chamber
- 3 - Remote sensing or pressure gauge
- 4 - Downstream

\* Upstream pressure is connected to valve control chamber via a restriction.



Weight: 1.5 Kg; 3.3 lbs.