



# PRESSURE REDUCING PILOT VALVE

## Model FP - 2PBL

The model FP-2PBL is a single seated spring loaded and diaphragm operated pressure reducing pilot valve. It is actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the pre-set and field adjustable spring force. It's fully balanced poppet design ensures high accuracy and stability. When installed as a Pressure Reducing pilot valve on a BERMAD Water Control or Deluge valve, it automatically controls the main valve to reduce a higher inlet pressure to a lower constant outlet pressure, maintaining the chosen pre-set downstream pressure regardless of fluctuations in the high pressure supply line.



### Features

- Internal or external pressure sensing
- Accurate & Stable
- Differential pressure sensing
- Optional remote sensing

### Typical Applications

- Pressure Reducing Valves
- 400Y Pressure control deluge valves 12-16" (model FP#2HC)
- Air Pressure Regulator for BERMAD AMD
- Pressure Differential Control Valve (PDCV)

### Technical Data

**Pressure Rating:** 400 / 700 psi

**Water Temperature Range:** 32-180 °F

**Flow Factor:** Cv 1.13

#### Standard Materials:

**Body:** Bronze

**Cover:** Brass

**Elastomers:** NBR

**Internal Parts:** Stainless Steel

**Spring:** Stainless Steel

#### Optional Materials:

**Body:** Stainless Steel, Nickel Aluminum Bronze, Duplex, Hastalloy, Titanium

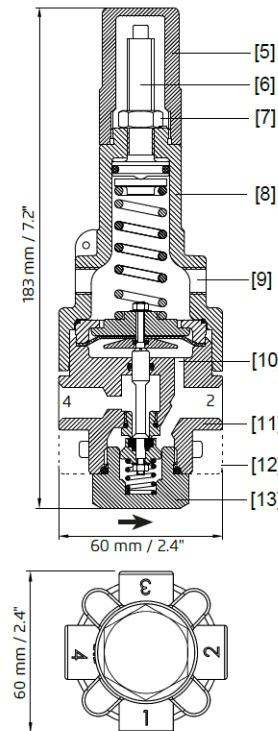
**Cover:** Stainless Steel, Nickel Aluminum Bronze, Duplex, Hastalloy, Titanium

**Internal Parts:** Stainless Steel, Nickel Aluminum Bronze, Duplex, Hastalloy, Titanium

\*Other materials are available on request

#### Adjustment Range:

Spring	Spring Color	Setting range	Material
P	White	15-230 psi	St. St. 302
W	White & Red	15-230 psi	St. St. 316
L	Red & Orange	12-94 psi	St. St. 316
Y	Gray & Red	7-43 psi	St. St. 316



Part	Description
5	Tamperproof cover
6	Adjusting screw
7	Locking nut
8	Cover
9	Optional differential sensing 1/8" NPT
10	Internal sensing
11	Body
12	Special materials extents
13	Bottom plug

Port	Size	Connections
1/3	1/4" NPT	Remote sensing (optional) or pressure gauge
2	1/4" NPT	Downstream
4	1/4" NPT	Inlet

