

PRESSURE RELIEF PILOT VALVE

Model 3PB

The PB3 is a pilot valve, primarily for use as a pilot controlling UL listed and FM approved BERMAD pressure relief/sustaining valves from sizes up to 6". When the force of pressure under the diaphragm increases to a value above the set spring force (that is set using the adjusting screw) the pilot will open, releasing pressure from the control loop and opening the main valve.

Features

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

Technical Data

Pressure Rating: 365 psi

Water Temperature Range: 32-180 °F

Flow Factor: Cv 0.56

Adjustment Range:

Spring	Spring Color	Setting range	Material
P	White	15-230 psi	St. St. 302
Z	Red	72-362 psi	St. St. 316
J	Green & Red	3-25 psi	St. St. 316

Bronze Construction

- Body: Bronze ASTM B584
- Cover: Brass
- Elastomers: NBR
- Internal wetted: Stainless Steel & Brass
- Springs: Stainless Steel

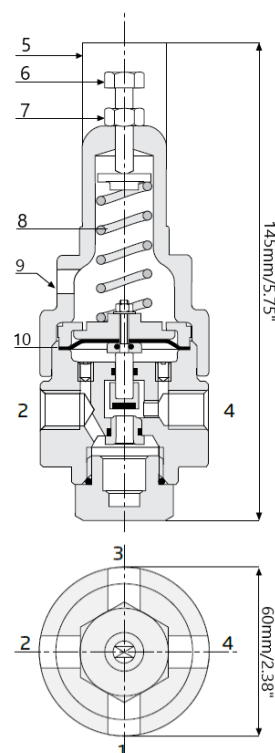
Stainless Steel Construction

- Body: ASTM A351 Gr. CF8M Type 316
- Cover: ASTM A351 Gr. CF8M Type 316
- Elastomers: NBR
- Internal wetted: Stainless Steel 316
- Springs: Stainless Steel 316

NAB Construction

- Body: Ni-Al-Bronze ASTM B171 C63000
- Cover: ASTM A351 Gr. CF8M Type 316
- Elastomers: NBR
- Internal wetted: Monel 400 and Ni-Al-Bronze
- External (dry) Spring: Stainless Steel 316
- Internal (wetted) Spring: Inconel

*Optional Materials: Super duplex / Titanium



Part	Description
5	Tamperproof cover
6	Adjusting screw
7	Locking nut
8	Spring
9	Optional differential sensing 1/8" NPT
10	Diaphragm

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