

PRESSURE RELIEF PILOT VALVE

Model 3PBL-R

The 3PBL-R is a pilot valve, primarily for use as a pilot controlling UL listed and FM approved BERMAD pressure relief/sustaining valves. In a typical configuration, when the force of pressure under the diaphragm in the 3PBL-R increases to a value above the set spring force, 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: 25 bar

Water Temperature Range: 0-80 °C

Flow Factor: Kv 0.96

Bronze Construction

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

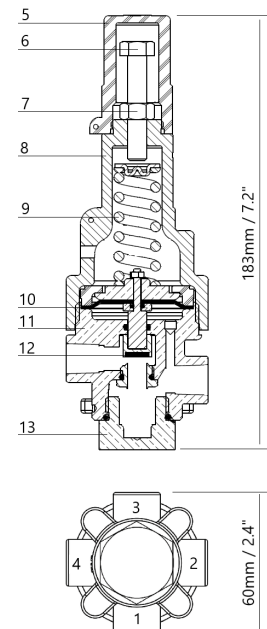
Stainless Steel Construction

- 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	Cover
9	Spring
10	Diaphragm
11	Body
12	Seal
13	Bottom plug

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



Pilot Models and Adjustment Ranges

Model	Setting Range psi (bar)	Spring Material
3PBL-R-16-P	60-235 (4.1-235)	Stainless Steel 302
3PBL-R-16-W	60-235 (4.1-235)	Stainless Steel 316
3PBL-R-30-P	145-365 (10-25)	Stainless Steel 302
3PBL-R-30-W	145-365 (10-25)	Stainless Steel 316