

HYDRAULIC ACTUATOR FOR CONTROL VALVE PILOTS

Model PCBU

Bermad PCBU is a hydraulic Pilot Calibration Bias Unit that controls various valve pilots and applications. It serves as an interface between local independent hydraulic control valves and remote control systems. Bermad PCBU responds to hydraulic command signals sent by electronic controller to allow fully automated control over the pilots' settings.

Features

- Replaces the manual adjusting screw of the pilot
- Combines independent operating systems with remote control devices
- Suitable for installation on a wide range of pilots
- Enables Low Energy control of the parameters in water systems
- Linear Multi Points or two point High and Low settings
- Mechanical prevention of out of envelop setting

Typical Applications

- Pressure Reducing
- Pressure Sustaining
- Level Control
- Flow Limiting

Technical Data

Pressure Rating: 25 bar

Water Temperature Range: 0-60 °C

Height (H): 130 mm

Width (W): 100 mm

Weight: 1.5 Kg

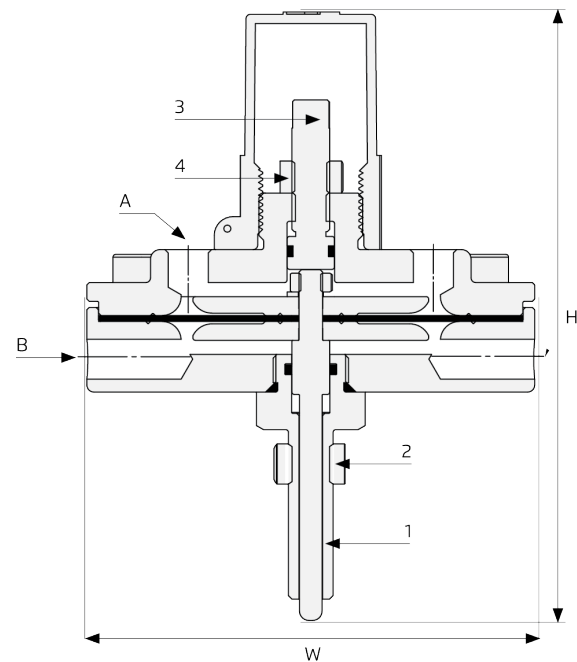
Standard materials:

Covers: Brass

Safety Cap: PVC

Elastomers: NBR

Internals: Stainless Steel & Brass



Pressure Calibration Range

| Pilot | Spring Type | | Setting Range Spring | Setting Range PCBU |
|-------|-------------|---------|----------------------|--------------------|
| | S.S 302 | S.S 316 | bar | bar |
| 2PBL | K | Y | 0.5-3 | 2.0 |
| & | N | L | 0.8-6.5 | 4.5 |
| 3PBL | V | T | 1-10 | 6.5 |
| | P | W | 1-16 | 9.5 |

| Part | Description |
|------|--------------------------------|
| 1 | Guide & H.P setting (3/8" UNC) |
| 2 | H.P Locking nut (3/8" UNC) |
| 3 | L.P Adjusting screw |
| 4 | L.P Locking nut |

| Port | Size | Connections |
|--------|----------|--------------------|
| A (x2) | 1/8" NPT | Command / Plugged |
| B (x2) | 1/8" NPT | Open to Atmosphere |

- Command connection to higher port; plugged lower port
- Connections refer to Normally Low operation
- Command pressure should be equal or higher than upstream pressure