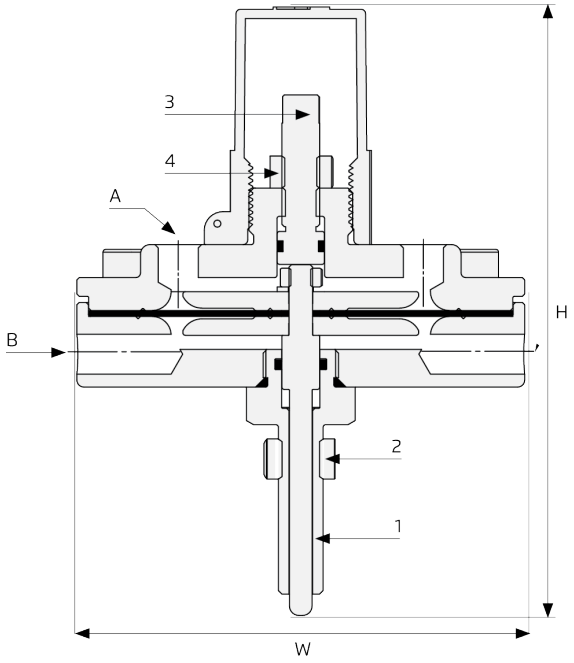
HYDRAULIC ACTUATOR FOR CONTROL VALVE PILOTS

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: 400 psi
Water Temperature Range: 32-150 °F
Height (H): 5.1 Inch
Width (W): 3.9 Inch
Weight: 3.3 Lbs

Standard materials:

Covers: Brass
Safety Cap: PVC
Elastomers: NBR
Internals: Stainless Steel & Brass

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

Pressure Calibration Range

Pilot	Spring Type		Setting Range **Spring**	Setting Range **PCBU**
	S.S 302	S.S 316	psi	psi
2PBL & 3PBL	K	Y	7-43	29
	N	L	12-94	65
	V	T	15-150	94
	P	W	15-230	138

Port	Size	Connections
A (x2)	⅛" NPT	Command / Plugged
B (x2)	⅛" NPT	Open to Atmosphere

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

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