

HYDRAULIC ACTUATOR FOR CONTROL VALVE PILOTS

Model PCBU

Bermad PCBU is a Hydraulic Actuator 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
- Designed for Low Energy environment; consumes energy only during set-points change
- Linear Multi Points or two point High and Low settings
- Incorporated Normally High or Normally Low Fail-safe feature
- Mechanical prevention of out of envelop setting

Typical Applications

- BERMAD PCBU Hydraulic Actuator can be easily used in various water control applications such as:
 - Pressure reducing
 - Pressure sustaining
 - Level control
 - Flow limiting

Technical Data

Pressure Rating: 25 bar; 400 psi

Working Temperature: Water up to 60°C; 150°F

Covers: Brass, Optional - Stainless Steel

Safety Cap: PVC

Elastomers: NBR

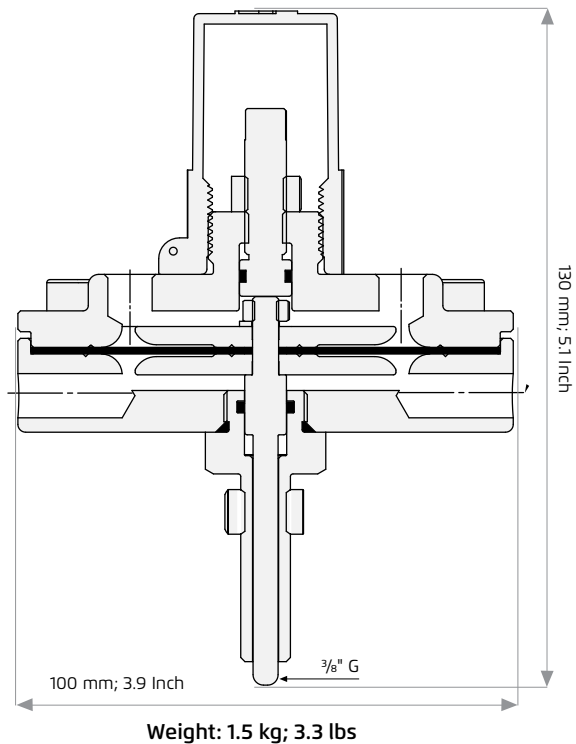
Internals: Stainless Steel & Brass

Port Size: 1/8" NPT

Connections:

	Normally Low
Top Cover	Command
Bottom Cover	Vent

- Command pressure should be at least equal to upstream pressure
- Connection to higher port; plugged lower port



Pressure Calibration Range:

	Spring Type		Setting Range Spring		Setting Range PCBU	
	SS302	SS316	bar	psi	bar	psi
2PBL	K	Y	0.5-3	7-43	2.0	29
	N	L	0.8-6.5	12-94	4.5	65
	P	V	1-10	15-150	6.5	94
	P	W	1-16	15-230	9.5	138

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