

BP-66 Series

High Pressure Back Pressure Regulators (10,000 psig)

Introduction

The BP-66 Series is the counterpart of the PR-57 pressure reducing series for systems that are higher in pressure and low to moderate flows. This regulator has piston sensing to provide relief at high pressures. The Polyimide/stainless seat assembly provides good shutoff in most applications. For economy purposes the cap assembly and knob are of aluminum construction as in the PR-57 companion unit. Good sensitivity and a selection of control ranges make this regulator an excellent selection in many research and pilot plant facilities.



Typical Applications

- Pilot plants
- Research labs

Technical Data

CONSTRUCTION	316L stainless steel (standard) Monel® and titanium (optional)	
ADJUSTABLE PRESSURE Control Ranges	0-2000, 0-4000, 0-6000, 0-7500 and 0-10,000 psig	
OPERATING Temperature	-40° F to +350° F (-40° C to +177° C)	
C _v coefficient	0.04 (standard) 0.01 and 0.12 (optional)	
INLET/OUTLET Connections	¼" FNPT (standard) AN 10050-4, SAE J514, MS 33649, or ¾" FNPT (optional)	

Features & Benefits

- Spring-loaded piston sensor
- Gas and liquid service
- Viton[®] seals (other elastomers optional)

Options:

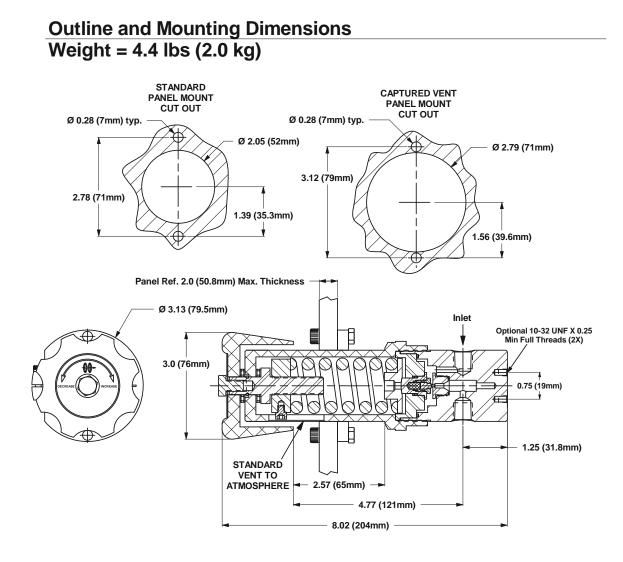
- Panel mounting
- Monel[®] and titanium body construction
 - Cv of 0.01 or 0.12
- AN 10050-4, SAE J514, MS 33649 or ³/₈" FNPT connections

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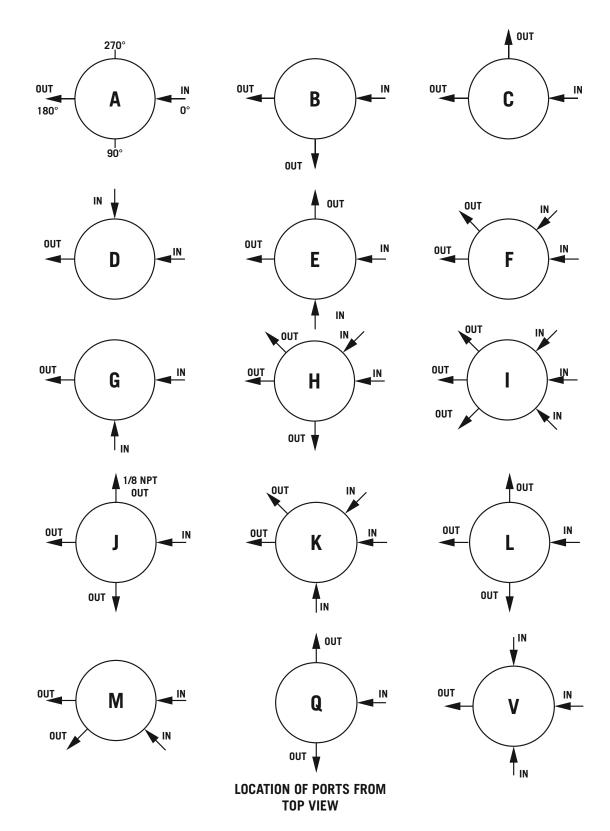
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Maximum Temperatu	re and Control Pres	ssures	5
SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Polyimide	350° F (177° C)	@	10,000 psig (68.8 MPa)
PEEK™	350° F (177° C)	@	10,000 psig (68.8 MPa)
To Order, contact your local Distributo www.goreg.com/distributor/inc How to Order			nber is valid using the GO Wizards at oducts/matrix/index.htm
or additional configuration	s, consult the factory. Sta	andard i	tems in bold.
Body Material 1 316L stainless steel 4 Monel® 7 Titanium Port Configuration	nuge Ports) ag ts) gauge ports) ag ts) IPT gauge ports) gauge ports) PT gauge ports)	<u>C</u> <u>I</u>	E N 1 5 1 A E B EB33 (oxygen cleaning) B EB5 cleaning D Helium leak test E Pressure test certificate F Certificate of Conformity G CMTR Cap Assembly 1 Standard, aluminum 4 Panel mount, aluminum 5 Captured vent, aluminum 6 Captured vent, panel mount, aluminum 7 Captured vent, stainless steel F Stainless steel Piston Material 5 5 Stainless steel with standard Viton® cavity o-ring 8 Monel® 5 Titanium
C Polyimide Q PEEK™ NOTE: The choices above repress of the more commonly ord complete listing of all avai see the Selection Wizard of www.goreg.com or contact	lered options. For a ilable options, please on the GO website at		1 Standard Control Range L 0-2000 psig N 0-4000 psig O 0-6000 psig P 0-7500 psig Q 0-10,000 psig Flow Coefficient (C _v) 4 0.12 E 0.04 J 0.01

Outline and Mounting Dimensions



Port Locations (Back Pressure Regulators)



Porting Options for LB-1 Back Pressure Valve

Arrow pointing toward body is inlet, arrow pointing away from body is outlet. Location of ports from top view

