GO REGULATOR, INC.

BP-8LF Series

High Sensitivity Back Pressure Regulators

Introduction

The BP-8LF Series back pressure regulator is designed to furnish precise low back pressure control in analytical instrumentation. With the combination of the large diaphragm sensing area of the BP-8 Series Regulator and the low flow seat assembly of the BP-3 Series pressure regulator, pressure control down to 10 inches of water is easily obtainable.



Typical Applications

- Analytical instrumentation
- Gas and liquid sampling
- Research labs

Technical Data

CONSTRUCTION	316L stainless steel (standard) Monel® or Hastelloy® C-276 (optional)	
ADJUSTABLE STANDARD PRESSURE RANGES	0-6, 0-25, 0-50, 0-75, 0-125, 0-250 & 0-500 psig	
OPERATING TEMPERATURE	-40° F to +500° F (-40° C to +260° C)	
C _V COEFFICIENT	0.2 (standard) 0.03, 0.05, 0.06, 0.12, 0.24, 0.3, 0.095, 0.025, 0.04, 0.005, 0.01 (optional)	
INLET & OUTLET CONNECTIONS	1/4" FNPT	

Features & Benefits

- Sensitive pressure control
- Low pressure adjustability
- Standard PTFE / Viton® diaphragm

Options

PTFE / stainless steel diaphragm

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Maximum Temperature and Control Pressures

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Viton®	250° F (121° C)	@	500 psig (5.16 MPa)
Kalrez [®]	300° F (148° C)	@	500 psig (5.16 MPa)
High density PTFE	200° F (93° C)	@	500 psig (5.16 MPa)
Polyimide	500° F (260° C)	@	500 psig (5.16 MPa)

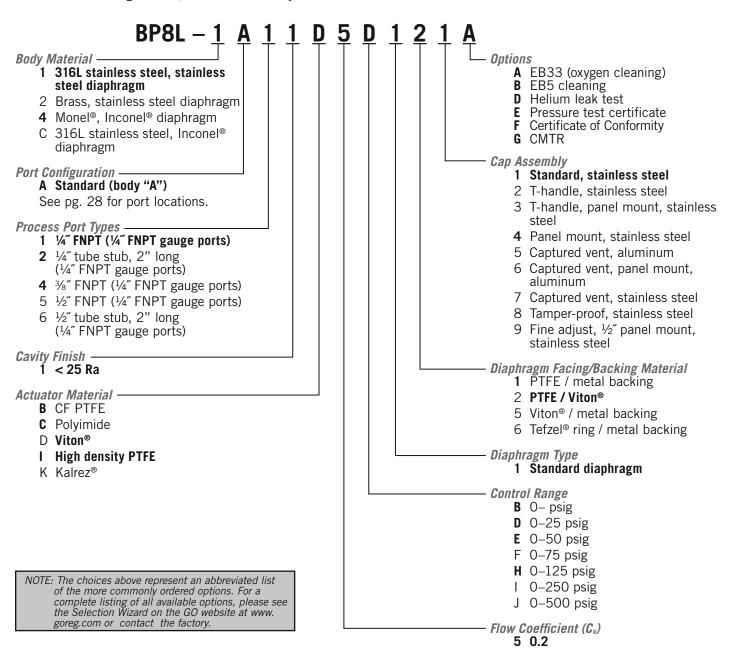
Temperatures in excess of 175° F (80° C) require the use of a T-handle or the tamper proof option.

To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm

Verify that your chosen part number is valid using the GO Wizards at www.goreg.com/products/matrix/index.htm

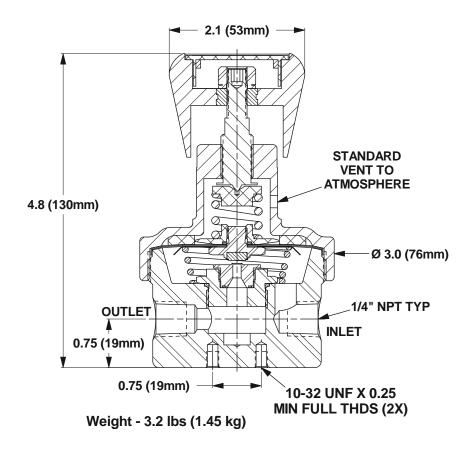
How to Order

For additional configurations, consult the factory. Standard items in bold.

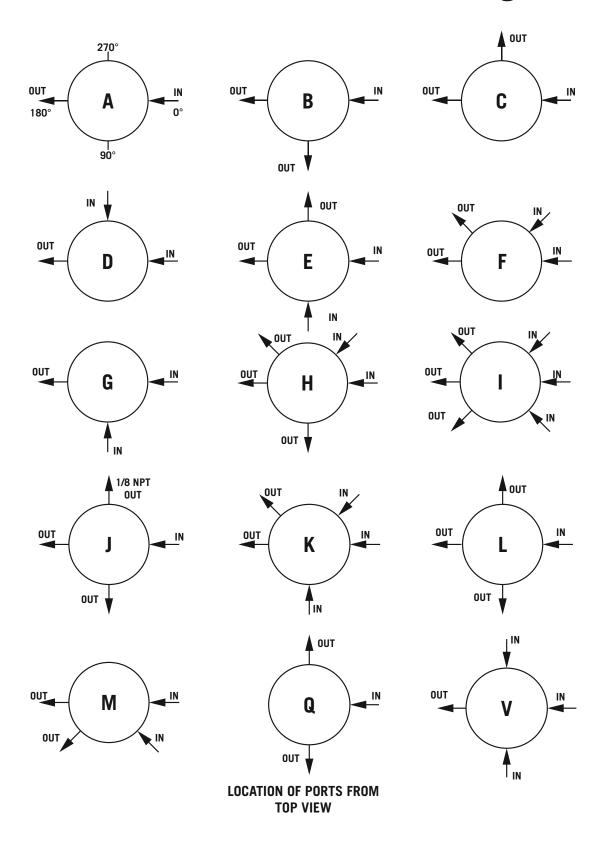


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Outline and Mounting Dimensions

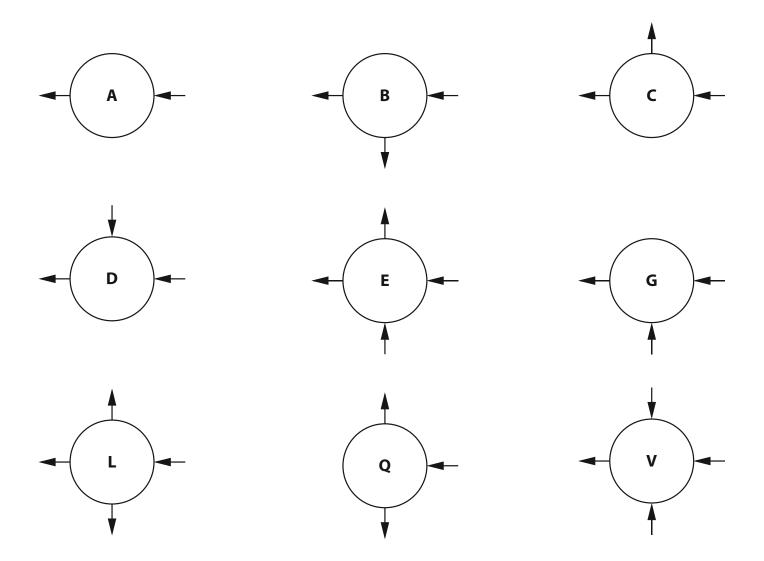


Port Locations (Back Pressure Regulators)



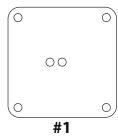
Porting Options for LB-1 Back Pressure Valve

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



SURFACE MOUNT STYLES

requires "Surface Mount" port type connections



Center port is outlet, all other ports are inlets.

Location of ports from bottom view