

Pressure & Vacuum

Flow

Level & Temperature
Tube & Fittings

Custom Services

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		
OPERATINGTEMPERATURE	-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

GO Regulator

405 Centura Court • PO Box 4866 (29305) • Spartanburg, SC 29303 Phone (864) 574-7966 Fax (864) 574-5608 www.goreg.com • sales@goreg.com

High Sensitivity Back Pressure Regulators

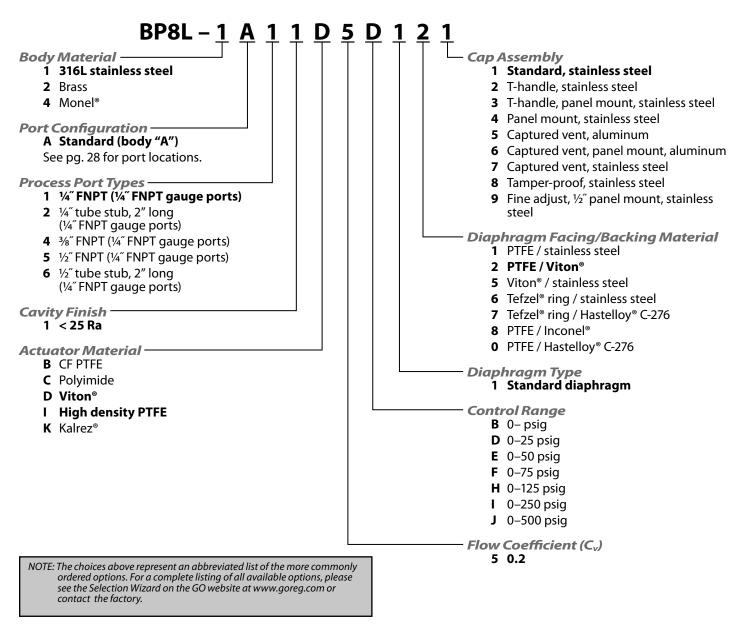
Maximum Temperature and Control Pressures

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.

How to Order

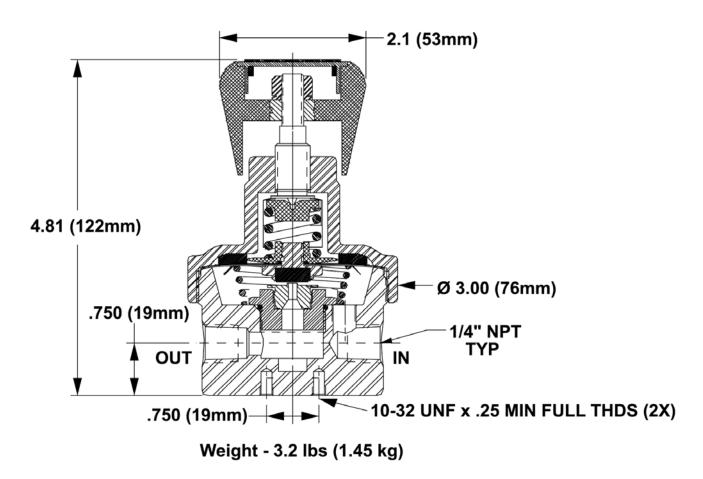
For additional configurations, consult the factory. Standard items in bold.



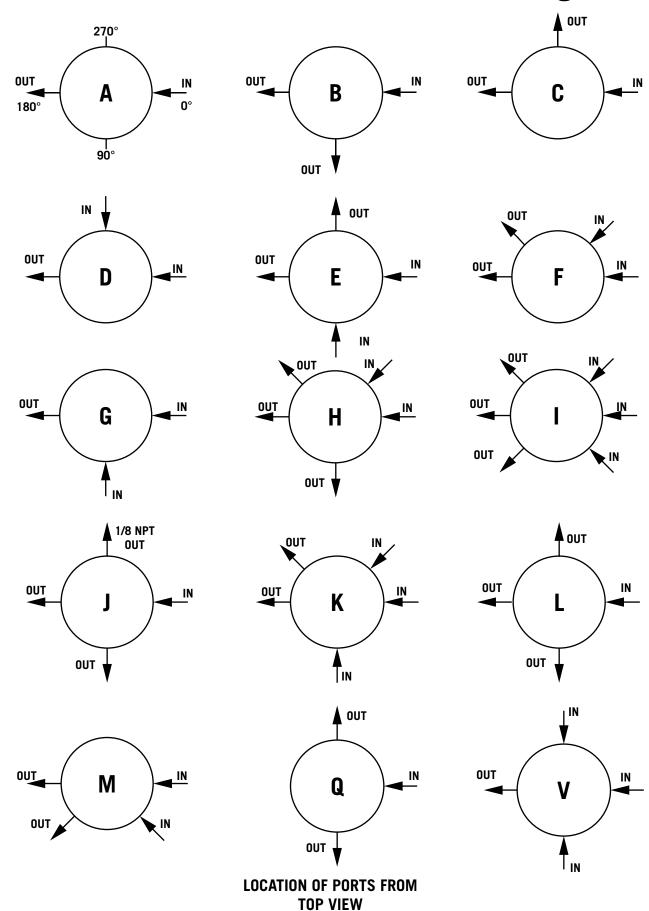
For flow curve charts, visit http://www.goreg.com.

High Sensitivity Back Pressure Regulators

Outline and Mounting Dimensions



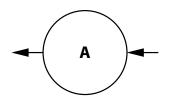
Port Locations (Back Pressure Regulators)

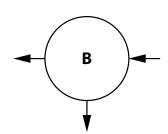


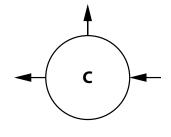
Porting Options for LB-1 Back Pressure Valve

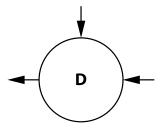
Arrow pointing toward body is inlet, arrow pointing away from body is outlet.

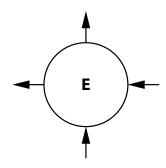
LOCATION OF PORTS FROM TOP VIEW

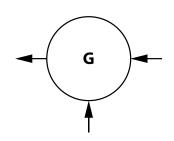


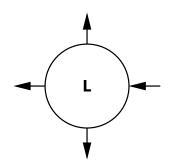


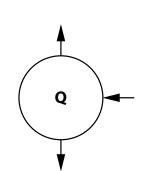


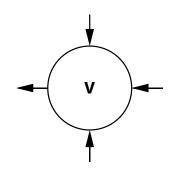






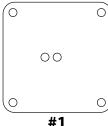






SURFACE MOUNT STYLES

requires "Surface Mount" port type connections



Center port is outlet, all other ports are inlets. Location of ports from bottom view