GO_{REGULATOR}, INC. A division of CIRCOR International, Inc.



LB-1 Series **Ultra Miniature Back Pressure Regulator**

The LB-1 is an ultra-miniature back pressure regulator that employs many of the same features found in the time tested design of the CBP-3 & BP-3 Series back pressure regulators. Designed for surface, panel or manifold mounting, the LB-1 offers the utmost in versatility to the systems designer. It's low internal volume of less than 3cc makes the LB-1 the perfect choice for systems that require rapid purge cycles. Standard features permit using this regulator in a wide variety of services, including corrosive fluids. The LB-1 can be tailored to virtually any application by utilizing the optional features. This regulator is designed to allow the construction of compact and sophisticated analytical instrumentation where the optimum in back pressure control is required and space is at a premium.

Features & Specifications

- · Gas or liquid service
- 316L stainless steel, aluminum, brass, or Monel construction
- · Electro polished body with better than 25 Ra finish in diaphragm cavity
- · Bubble tight shutoff
- Adjustable pressure control ranges are 0–10, 0–25, 0–50, 0–100, 0–250 and 0-500 psig
- C_v flow coefficient 0.2

2301 Wardlow Circle Corona, CA 92880 tel 909.270.6200 fax 909.270.6201 www.goreg.com sales@goreg.com

LB-1 Series Ultra Miniature Back Pressure Regulator

How to Order

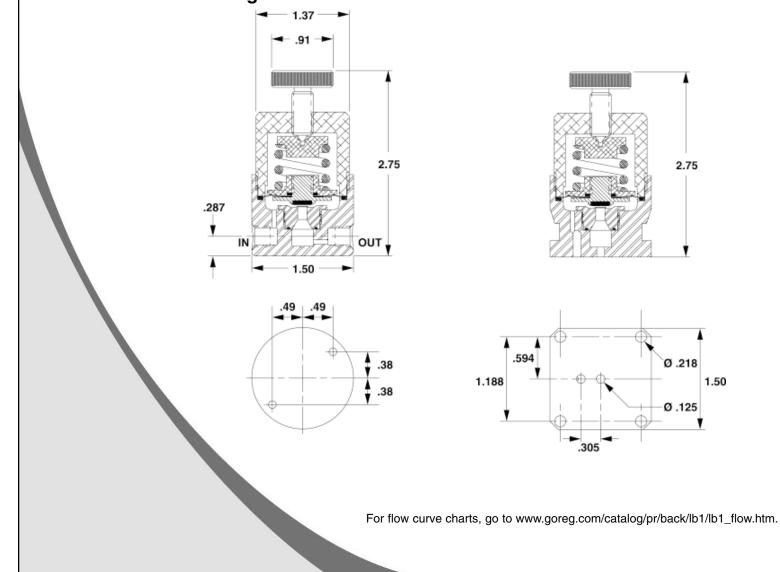
See page 3 for standard configurations. For additional configurations, consult the factory. See page 4 for port locations.

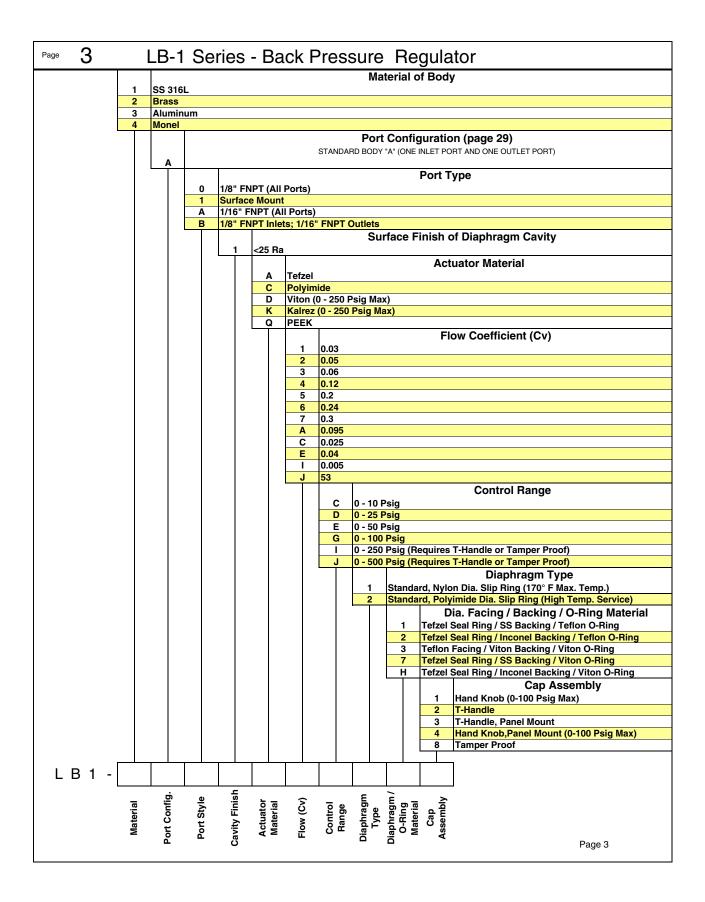
iperature & operating inter resources			
Seat Material	Maximum Temperature	0	Maximum Control Range
Viton®	250° F (121° C)	@	250 psig (1.72 MPa)
Kalrez®	300° F (148° C)	@	250 psig (1.72 MPa)
Tefzel®	175° F (80° C)	@	500 psig (3.44 MPa)
Polyimide	500° F (260° C)	@	500 psig (3.44 MPa)
PEEK	500° F (260° C)	@	500 psig (3.44 MPa)

Maximum Temperature & Operating Inlet Pressures

Viton®, Kalrez® and Tefzel® are registered trademarks of Dupont.

Outline and Mounting Dimensions





PORTING OPTIONS FOR LB-1 BACK PRESSURE VALVE

