

## 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.



pressure regulators

### Typical Applications

- Analytical instrumentation
- Gas and liquid sampling
- Research labs

### Features & Benefits

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

### Technical Data

<b>CONSTRUCTION</b>	316L stainless steel (standard) MONEL® or HASTELLOY® C-276 (optional)
<b>ADJUSTABLE STANDARD PRESSURE RANGES</b>	0–6, 0–25, 0–50, 0–75, 0–125, 0–250 & 0–500 psig
<b>OPERATING TEMPERATURE</b>	–40° F to +500° F (–40° C to +260° C)
<b>C<sub>v</sub> COEFFICIENT</b>	0.2 (standard) 0.03, 0.06, 0.3, 0.025, 0.04, 0.005, (optional)
<b>INLET &amp; OUTLET CONNECTIONS</b>	¼" FNPT

### Options

- PTFE / Viton® diaphragm
- Panel mounting
- Extra ports
- ⅜" FNPT, ½" FNPT

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## Maximum Temperature and Control Pressures

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Viton®	250° F (121° C)	@	500 psig (3.44 MPa)
Kalrez®	300° F (148° C)	@	500 psig (3.44 MPa)
High density PTFE	200° F (93° 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)

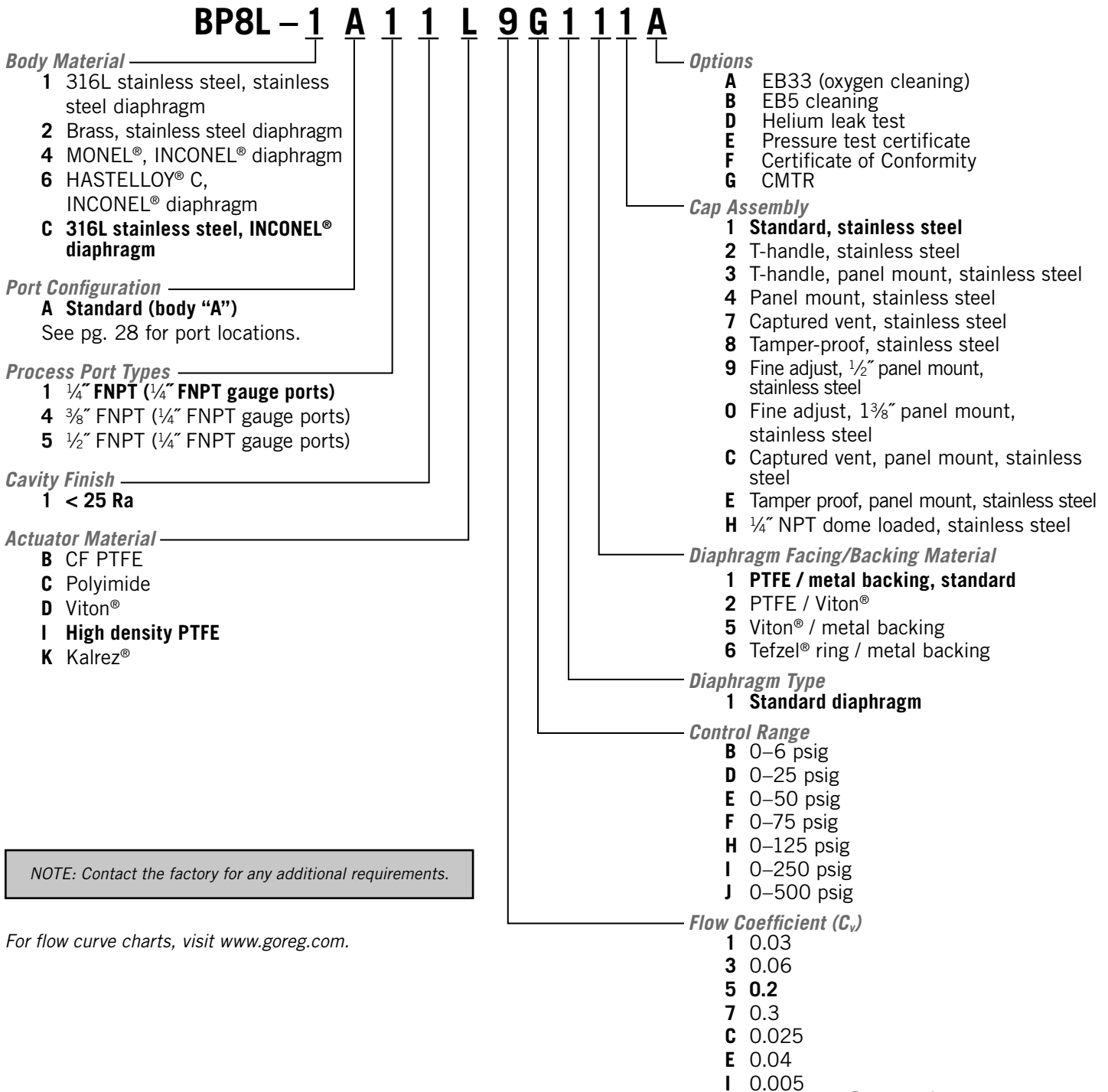
Temperatures in excess of 175° F (80° C) require the use of a T-handle or the tamper proof option.

To Order, contact your local Distributor Link below:  
[www.goreg.com/distributor/index.htm](http://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](http://www.goreg.com/products/matrix/index.htm)

## How to Order

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



NOTE: Contact the factory for any additional requirements.

For flow curve charts, visit [www.goreg.com](http://www.goreg.com).

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## Outline and Mounting Dimensions

