

## 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

### 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 <sub>v</sub> 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	¼" FNPT

### Features & Benefits

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

### Options

- Teflon® / stainless steel diaphragm

### GO Regulator

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# High Sensitivity Back Pressure Regulators

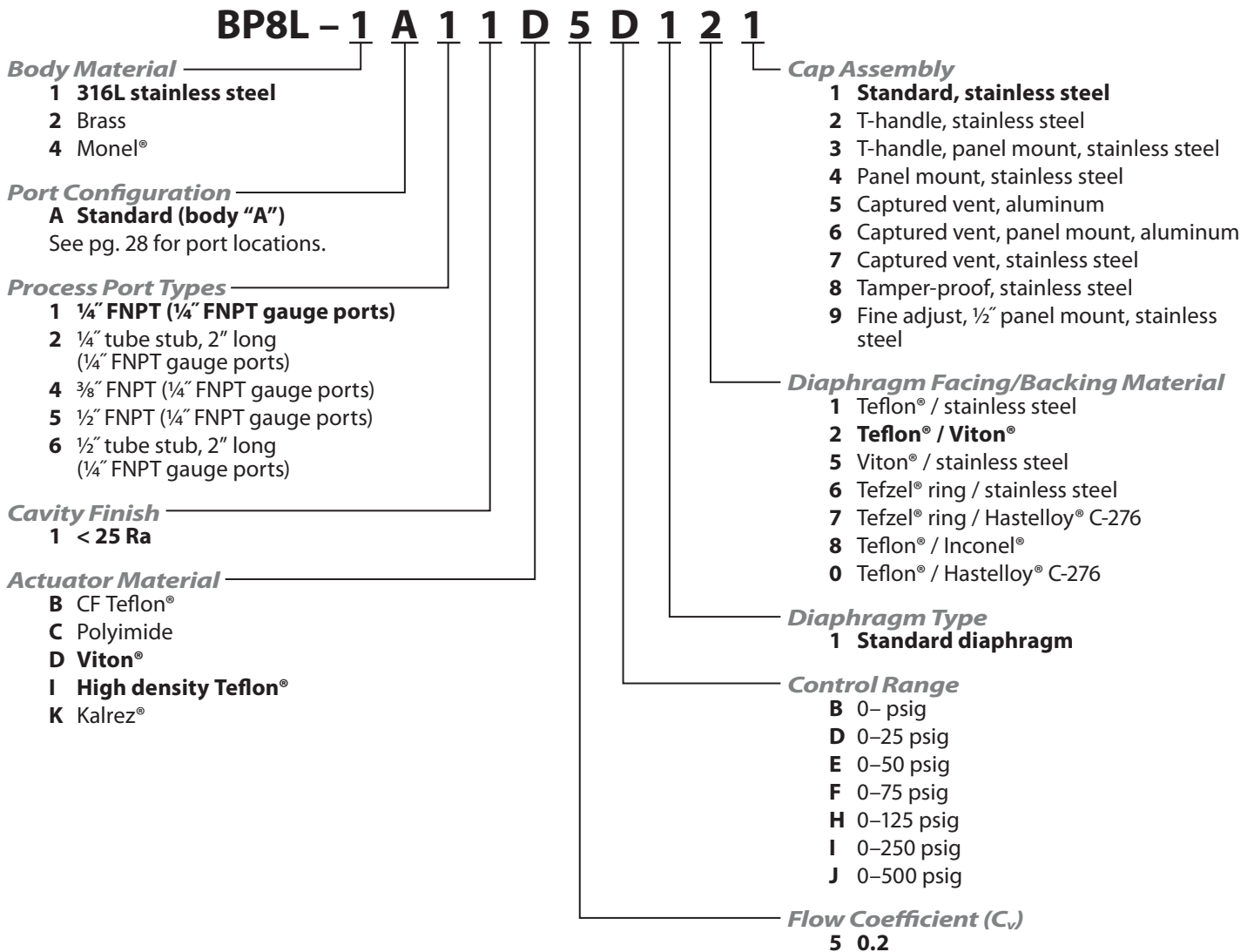
## Maximum Temperature and Control Pressures

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 Teflon®	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>.

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## *Outline and Mounting Dimensions*

