

## BP-8 Series

High Flow Back Pressure Regulators

### Introduction

This series is designed to control back pressure at low to moderate pressure ranges with relatively high flow. While designed primarily for instrumentation systems and similar to the PR-7, the BP-8 is also suitable for pilot plant, research and development activities. Special diaphragm and spring combinations give the user a selection of pressure ranges that are near atmospheric. The glass filled Teflon® / stainless seat assembly gives tight shut off even at lower flows for most applications.

The 316 stainless steel body assembly provides service for most chemical environments and brass models are available for those applications not requiring that type of corrosion resistance. If special requirements demand other materials of construction, please contact the factory.



pressure regulators

### Typical Applications

- Instrumentation systems
- Pilot plants
- Air compressors

### Technical Data

CONSTRUCTION	316L stainless steel or brass (standard) Monel® or Hastelloy® C-276 (optional)
ADJUSTABLE STANDARD PRESSURE RANGES	0–10, 0–25, 0–50, 0–100, 0–250, and 0–500 psig
OPERATING TEMPERATURE	–40° F to +250° F (–40° C to +121° C)
C <sub>v</sub> COEFFICIENT	1.2 (standard) 0.40 and 0.70 (optional)
INLET & OUTLET CONNECTIONS	1/4" FNPT

### Features & Benefits

- Pressure control of large flows
- Standard stainless steel diaphragm, Teflon® faced

### Options

- Panel mounting
- Extra ports
- 3/8" FNPT, 1/2" FNPT, 1/4" tube weld, 1/4" pipe weld,  
1/2" tube weld

### GO Regulator

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# High Flow Back Pressure Regulators

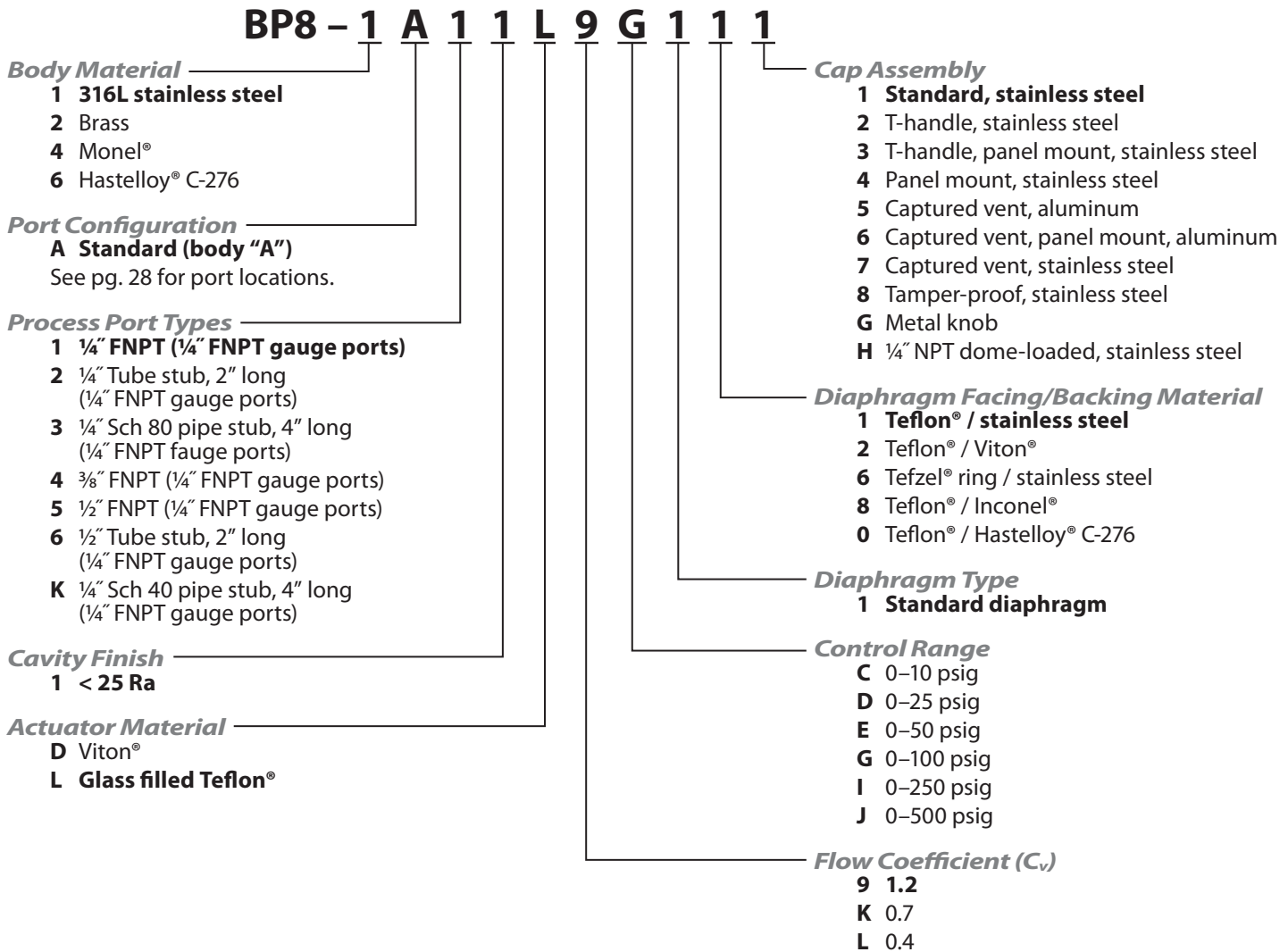
## Maximum Temperature and Control Pressures

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Viton®	250° F (121° C)	@	250 psig (1.72 MPa)
Glass filled Teflon®	250° F (121° 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.

## 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*

