

## BP-8 Series Back Pressure Control Regulators



The BP-8 Series is designed to control back pressure at low to moderate pressure ranges with relatively high flow. While designed primarily for instrumentation systems and patterned after the PR-7 Series, the BP-8 Series is also suitable for pilot plant, research and development activities. The soft seat design of this unit provides positive shutoff in all applications.

- Gas or liquid service
  - 316L stainless steel construction
  - Electropolished body with better than 25 Ra finish in diaphragm cavity
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- Bubble tight shutoff
  - Adjustable control ranges are 10, 25, 50, 100 and 250 psig
  - Proof pressure is 2 times maximum working pressure
  - Burst pressure is 4 times maximum working pressure
  - Weight: 3.2 lbs (1.45 kg)
  - Mounting style is surface or panel (see Outline and mounting dimensions)

### Maximum Temperature & Control Pressures

Seat Material	Maximum Temperature*	@	Maximum Control Range
Viton®	250° F (121° C)	@	250 psig (1.72 MPa)
Glass Filled PTFE	250° F (121° C)	@	500 psig (3.44 MPa)

\* Temperatures in excess of 175° F (80° C) require the use of a metal knob or the Tamper Proof option