

## BP-8LF Series Back Pressure Control Regulators



The BP-8LF Series back pressure regulator is designed to furnish high precision control of pressures in analytical instrumentation. With the combination of the large diaphragm sensing area of the BP-8 Series and the low flow of the BP-3 Series pressure control as low as 20 inches of water is easily obtainable.

- Gas or liquid service
- 316L stainless steel construction
- Electropolished body with better than 25 Ra finish in diaphragm cavity
- Bubble tight shutoff
- Adjustable control ranges are 6, 25, 50, 75 and 125 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)	@	500 psig (5.16 MPa)
Kalrez	300° F (148° C)	@	500 psig (5.16 MPa)
CF PTFE	300° F (148° C)	@	500 psig (5.16 MPa)
High Density PTFE	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 metal knob or the Tamper Proof option