

CBP-3 Series Back Pressure Control Regulators



The CBP-3 is a compact back pressure regulator that employs many of the same features found in the time tested design of the BP-3 Series back pressure regulator. This regulator is designed to allow the construction of compact and sophisticated analytical instrumentation where the optimum in back pressure control is required and space is at a premium.

- 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 10, 25, 50, 100, 250 and 500 psig
- Proof pressure is 2 times maximum working pressure
- Burst pressure is 4 times maximum working pressure
- Weight: 1.1 lbs (0.50 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)
Kalrez	300° F (148° C)	@	250 psig (1.72 MPa)
Tefzel®	175° F (80° C)	@	500 psig (3.44 MPa)
Polyimide	500° F (260° 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