

BP-60 Series Back Pressure Control Regulators



The BP-60 Series, counterpart to the PR-50 Series pressure reducing regulator, is designed for systems that are higher in pressure and have low to moderate flows. This regulator has a diaphragm for maximum sensitivity to provide relief at high pressures. Good sensitivity and a wide selection of control ranges make this regulator an excellent selection in many research and pilot plant facilities.

- Gas or liquid service
 - 316L stainless steel or Brass (alloy 360) construction
 - Electropolished body (316L) with better than 25 Ra finish in diaphragm cavity
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- Bubble tight shutoff
 - Viton® seals (other elastomers optional)
 - Adjustable control ranges are 500, 1000, and 2000 psig
 - Proof pressure is 2 times maximum working pressure
 - Burst pressure is 4 times maximum working pressure
 - Weight: 4.4 lbs (2.0 kg)
 - Mounting style is in line or panel (see Outline and mounting dimensions)

Maximum Temperature & Control Pressures

Nylon Diaphragm Backing

Seat Material	Maximum Temperature		Maximum Control Range
Tefzel®	175° F (80° C)	@	1000 psig (13.76 MPa)
Teflon®	175° F (80° C)	@	1000 psig (13.76 MPa)
CF Teflon®	175° F (80° C)	@	1000 psig (13.76 MPa)
Polyimide	175° F (80° C)	@	2000 psig (13.76 MPa)
PEEK	175° F (80° C)	@	2000 psig (13.76 MPa)

Teflon® Diaphragm Backing

Seat Material	Maximum Temperature		Maximum Control Range
Tefzel®	175° F (80° C)	@	1000 psig (13.76 MPa)
Teflon®	175° F (80° C)	@	1000 psig (13.76 MPa)
CF Teflon®	175° F (80° C)	@	1000 psig (13.76 MPa)
Polyimide	350° F (176° C)	@	2000 psig (13.76 MPa)
PEEK	350° F (176° C)	@	2000 psig (13.76 MPa)