

SBPR Series Back Pressure Control Regulators



The SBPR sub atmospheric back pressure regulator is designed to provide precise upstream vacuum control. The large diameter diaphragm, aided by a vacuum assist spring, provides the ultimate in flexibility and sensitivity for sub atmospheric control.

- 316L stainless steel or Brass (alloy 360) construction
 - Electropolished body(316L)with better than 25 Ra finish in diaphragm cavity
 - Bubble tight shutoff
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- Control range is 1-30 psig (-27.88 in. Hg to 15.3 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)	@	1 - 30 psiA
Kalrez	300° F (148° C)	@	1 - 30 psiA
PTFET	200° F (93° C)	@	1 - 30 psiA

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