

BP-6 Series

Pressure Control Regulators



The BP-6 Series pressure control regulator is a high flow, high pressure unit. With its Cv of 3.0 there are few applications it can't handle. With a metal to metal seat as a standard, it is perfect for high flow fluid applications that would quickly erode a soft seat. If bubble tight shutoff is required, the BP-6 pressure control regulator can be outfitted with a soft seat as an option.

Constructed from 316L, the BP-6 offers the utmost in corrosion resistance and safety. The T handle, supplied as a standard, allows the user unparalleled ease of use when making adjustments to the control pressure.

- Gas or liquid service
- 316L stainless steel construction
- Electropolished body with better than 25 Ra finish in diaphragm cavity
- Metal to metal seat
- Optional bubble tight shutoff (Soft Seat)
- Adjustable control ranges are 100, 250, 500 and 1000 psig
- Proof pressure is 2 times maximum working pressure
- Burst pressure is 4 times maximum working pressure
- Weight: 4.3 lbs (1.95 kg)
- Mounting style is in line or panel (see Outline and mounting dimensions)

Maximum Temperature & Control Pressures

| Seat Material | Maximum Temperature* | Maximum Control Range |
|---------------|----------------------|------------------------|
| PTFE | 200° F (93° C) | @ 1000 psig (6.88 MPa) |
| 316L SS | 500° F (260° C) | @ 1000 psig (6.88 MPa) |
| Monel | 500° F (260° C) | @ 1000 psig (6.88 MPa) |
| Hastelloy C | 500° F (260° C) | @ 1000 psig (6.88 MPa) |
| Titanium | 500° F (260° C) | @ 1000 psig (6.88 MPa) |

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