

## PR-2 Series



The PR-2 Series are compact brass body regulators designed for maximum flexibility in many classes of instrumentation service. Specifically designed for gas applications, this regulator is capable of accepting high pressures directly from cylinders and other high pressure, non-corrosive systems. It is ideally suited for carrier gas pressure regulation yet it is economical enough to use in low pressure air systems such as instrument cabinet air purge service.

- Gas or liquid service
- Brass (alloy 360) construction
- Stainless steel diaphragm with PTFE lining
- Stainless steel poppet
- Better than 25 Ra finish in diaphragm cavity
- 20 micron inlet filter
- Bubble tight shutoff
- Outlet pressure 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: 1.7 lbs (0.77 kg)
- Mounting style is surface or panel (see Outline and mounting dimensions)

## Maximum Temperature & Operating Inlet Pressures

Seat Material	Maximum Temperature*		Maximum Operating Inlet Pressure
Tefzel®	150° F (66° C)	@	3600 psig (24.82 MPa)
High Density PTFE	150° F (66° C)	@	3600 psig (24.82 MPa)
CF PTFE	175° F (80° C)	@	3600 psig (24.82 MPa)
PCTFE	175° F (80° C)	@	3600 psig (24.82 MPa)
Polyimide	175° F (80° C)	@	3600 psig (24.82 MPa)
PEEK	175° F (80° C)	@	3600 psig (24.82 MPa)

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