

CYL-1 Series Pressure Regulators



The CYL-1 Series is designed as a complete compact pressure control module. The basis of this unit is the economical PR-2 Series pressure control valve which is widely used in instrumentation sample systems as well as many other applications requiring maximum reliability. This regulator, when ordered with the appropriate gauges and CGA inlet fitting, is designed as a compressed gas cylinder regulator for those applications where the corrosion resistance of stainless steel is not a requirement.

- Brass (alloy 360) construction
- Stainless steel diaphragm with Teflon® lining
- Stainless steel poppet
- Better than 25 Ra finish in diaphragm cavity
- 20 micron inlet filter
- Bubble tight shutoff
- CGA inlet fitting
- 2" diameter Brass gauges
- 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: 1.9 lbs (0.86 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 Teflon®	150° F (66° C)	@	3600 psig (24.82 MPa)
CF Teflon®	175° F (80° C)	@	3600 psig (24.82 MPa)
PCTFE (formerly Kel-F 81®)	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