

CYL-21 Series Pressure Regulators



CYL-21 Series

The CYL-21 Series is a compact cylinder regulator based on the time proven design of the PR-1 Series single stage stainless steel line regulator and is suitable for most corrosive gas cylinder applications.

The standard unit is equipped with integral inlet filters. It comes complete with a CGA fitting and 2" diameter gauges.

- 316L stainless steel construction
- Electropolished body with better than 25 Ra finish in diaphragm cavity
- 20 micron inlet filter
- Bubble tight shutoff
- CGA inlet fitting
- 2" diameter 316 stainless steel 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

Stainless Steel

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	175° F (80° C)	@	6000 psig (41.37 MPa)
Polyimide	500° F (260° C)	@	3600 psig (24.82 MPa)
	175° F (80° C)	@	6000 psig (41.37 MPa)
PEEK	500° F (260° C)	@	3600 psig (24.82 MPa)
	175° F (80° C)	@	6000 psig (41.37 MPa)

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