

CYL-20 Series Pressure Regulators



CYL-20 Series

Precision pressure control is now possible with our advanced design of two stage pressure reducing regulators. Offering the utmost in corrosion resistance and safety, the CYL-20 Series is constructed from 316L stainless steel.

The two stage design has less than 0.01% change in outlet pressure with varying inlet pressure and is suitable for use in all applications where performance, cleanliness and corrosion resistance are of paramount concerns. Stainless steel caps and adjusting screws

prevent atmospheric corrosion and maintain appearance. The internal body surface finish is less than 25 Ra as standard. This, coupled with electropolishing, allows easier cleaning and potentially less particle contamination in the flow stream.

The CYL-20 Series pressure reducing regulator comes equipped with 2" diameter 316 stainless steel gauges and a stainless steel CGA fitting.

- 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
- Outlet pressure change is 0.01 psig per 100 psig of inlet decay
- Proof pressure is 2 times maximum working pressure
- Burst pressure is 4 times maximum working pressure
- Weight: 3.9 lbs (1.77 kg)
- Optional panel mounting style (see Outline and mounting dimensions)

Maximum Temperature & Operating Inlet Pressures

Stainless Steel

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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