CYL-2 Series

Two-stage Brass Cylinder Gas Pressure Reducing Regulator



The CYL-2 Series is a precision two-stage regulator well suited for instrumentation applications requiring a precise and stable pressure source. This pressure regulator was developed to meet the needs of the instrumentation industry, but is also well suited for other applications requiring precision pressure supply.

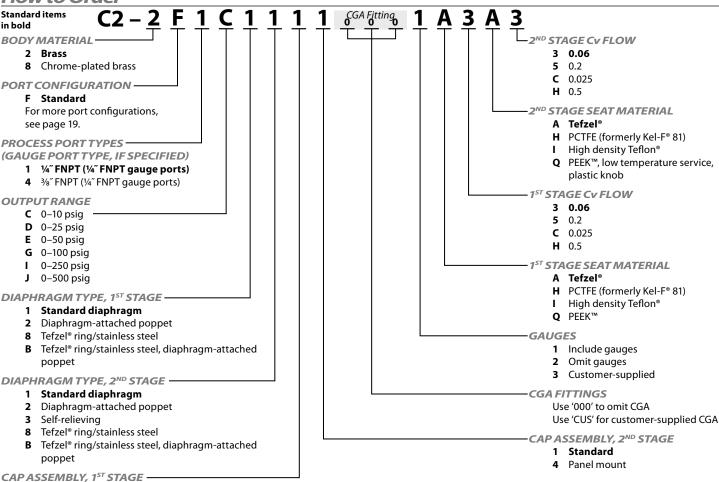
The development of this series provides the maximum flexibility that is available in any cylinder regulator. This means that you can select optional diaphragm materials for maximum sensitivity with Teflon®-lined stainless steel being standard.

Features & Specifications

- Brass construction
- 1st stage integral 20 micron filter and 2nd stage integral 40 micron filter
- Teflon®-lined stainless steel diaphragm in both stages
- Tefzel® seats are standard
- 2" diameter brass gauges
- CGA inlet fitting
- Optional relief valves and shut off valves
- Maximum inlet pressure: 3600 psig
- Outlet pressure ranges 0–10 psig, 0–25 psig, 0–50 psig, 0–100 psig, 0–250 psig and 0–500 psig
- Fluid media; non-corrosive gases
- Cv flow coefficients: 0.06, 0.025, 0.20, 0.50
- Operating temperatures: -40° F to +175° F (-40° C to +80° C)
- 1/4" FNPT inlet/outlet connections

CYL-2 Series





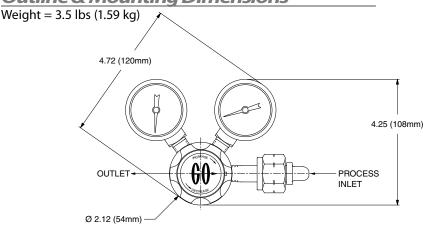
1 Tamper-proof

For a full list of options, visit the selection matrix for this product on www.goreg.com

Maximum Temperature & Operating Inlet Pressures

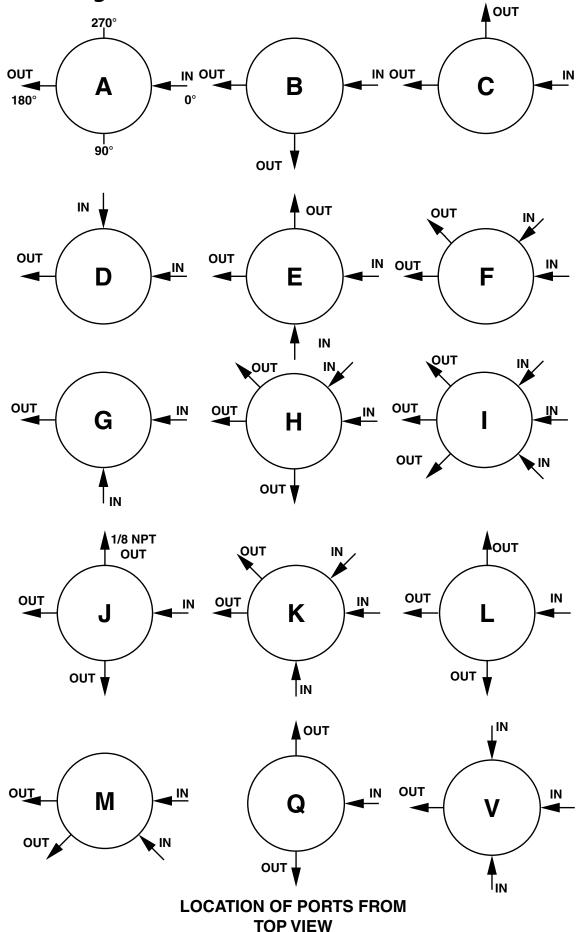
SEAT MATERIAL	MAXIMUM TEMPERATURE		MAXIMUM OPERATING INLET PRESSURE
Tefzel®	150° F (66° C)	@	3600 psig (24.82 MPa)
High density Teflon®	150° F (66° C)	@	3600 psig (24.82 MPa)
PCTFE (formerly Kel-F* 81)	175° F (80° C)	@	3600 psig (24.82 MPa)
Polyimide	175° F (80° C)	@	3600 psig (24.82 MPa)
PEEK™	175° F (80° C)	@	3600 psig (24.82 MPa)

Outline & Mounting Dimensions



Teflon® and Tefzel® are registered trademarks of the DuPont Company. Kel-F® is a registered trademark of 3M Company. PEEK™ is a trademark of Victrex PLC.

Porting Configurations for Cylinder Regulators





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