



GO REGULATOR

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 40 micron integral 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, 0–25, 0–50, 0–100, 0–250 and 0–500 psig
- Fluid media; non-corrosive gases
- C_v flow coefficients 0.06, 0.025, 0.20, 0.50
- Operating temperatures -40° F (-40° C) to +175° F (+80° C)
- 1/4" FNPT inlet/outlet connections

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CYL-2 Series

Two-Stage Brass Cylinder Gas Pressure Reducing Regulator

How to Order

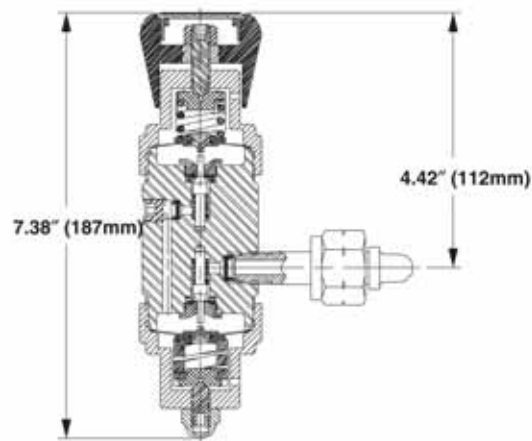
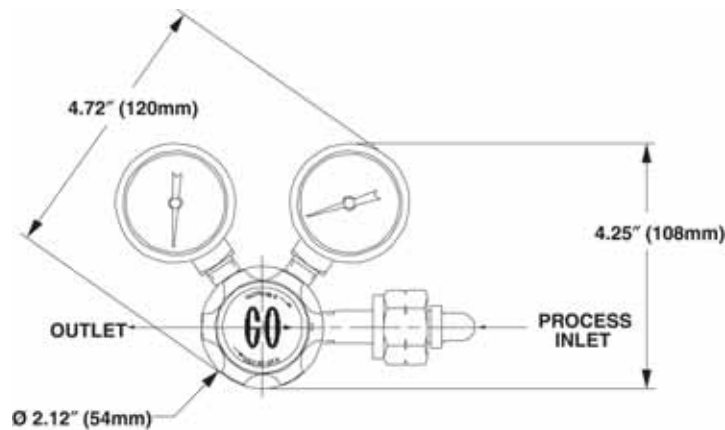
See page 3 for standard configurations. For additional configurations, consult the factory.
See page 4 for port locations.

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)

Tefzel® and Teflon® are registered trademarks of Dupont.

Outline and Mounting Dimensions



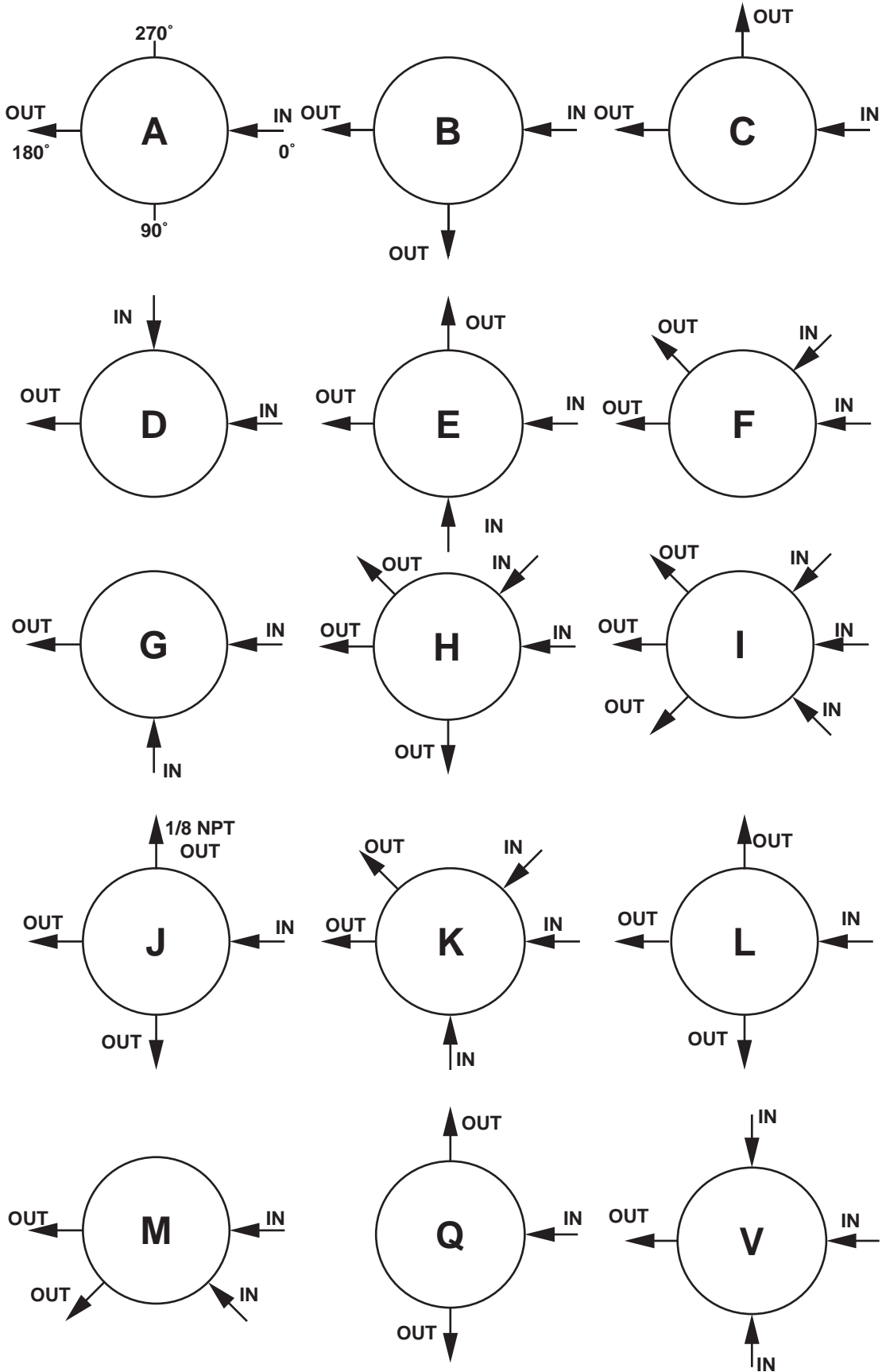
Weight - 3.5 lbs (1.59 kg)

For flow curve charts, go to www.goreg.com/catalog/pr/cyl/cyl2/cyl2_flow.htm.

CYL-2 Series - Pressure Reducing Regulators

														Material of Body													
														2 Brass													
														8 Chrome Plated Brass													
														Port Configuration (see page 4)													
														STANDARD BODY "F" (TWO INLET PORTS AND TWO OUTLET PORTS)													
														F													
														Process port types (gauge port type, if specified)													
														1 1/4" FNPT (1/4" FNPT Gauge ports)													
														3 1/4" Sch 80 Pipe (1/4" FNPT Gauge ports)													
														4 3/8" FNPT (1/4" FNPT Gauge ports)													
														Output Range													
														C 0 - 10 Psig													
														D 0 - 25 Psig													
														E 0 - 50 Psig													
														G 0 - 100 Psig													
														I 0 - 250 Psig													
														J 0 - 500 Psig													
														Diaphragm Type 1st Stage													
														1 Standard Diaphragm													
														2 Diaphragm Attached Poppet													
														8 Tefzel Ring / SS													
														B Tefzel Ring / SS, Diaphragm Attached Poppet													
														Diaphragm Type 2nd Stage													
														1 Standard Diaphragm													
														2 Diaphragm Attached Poppet													
														3 Self Relieving													
														8 Tefzel Ring / SS													
														B Tefzel Ring / SS, Diaphragm Attached Poppet													
														Cap Assembly 1st Stage													
														1 Tamper Proof													
														Cap Assembly 2nd Stage													
														1 Standard													
														4 Panel Mount													
														CGA Fitting													
														Use 0 in all boxes to omit CGA.													
														Use "CUS" in boxes for customer supplied CGA.													
														Gauges													
														1 Include Gauges													
														2 Omit Gauges													
														3 Customer Supplied													
														1st Stage Seat Material													
														A Tefzel													
														H PCTFE (formerly Kel-F 81)													
														I High Density Teflon													
														Q PEEK													
														1st Stage Cv Flow													
														3 0.06													
														5 0.2													
														C 0.025													
														H 0.5													
														2nd Stage Seat Material													
														A Tefzel													
														H PCTFE (formerly Kel-F 81)													
														I High Density Teflon													
														Q PEEK, Low Temp. Service, Plastic Knob													
														2nd Stage Cv Flow													
														3 0.06													
														5 0.2													
														C 0.025													
														H 0.5													
C 2 -																											
Material	Port Config.	Port Style	Output Range	Diaphragm Type 1st Stage	Diaphragm Type 2nd Stage	Cap Assembly 1st Stage	Cap Assembly 2nd Stage	C	G	A	Gauges	1st Stage Seat Material	1st Stage Cv Flow	2nd Stage Seat Material	2nd Stage Cv Flow												

PORT LOCATIONS (CYLINDER REGULATORS)



LOCATION OF PORTS FROM TOP VIEW