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 PTFE-lined stainless steel being standard.

Features & Specifications

- Brass construction
- 1st stage integral 20 micron filter and 2nd stage integral 40 micron filter
- PTFE-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)
- ¼″ FNPT inlet/outlet connections

pressure regulators

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CYL-2 Series

How to Order

Standard items in bold

C2 – 2 F 1 C 1 1 1 1 0 0 0 1 A 3 A 3

CGA Fitting

BODY MATERIAL
- **2 Brass**
- **8** Chrome-plated brass

PORT CONFIGURATION
- **F Standard**

For more port configurations, see page 19.

PROCESS PORT TYPES (GAUGE PORT TYPE, IF SPECIFIED)
- **1 ¼˝ FNPT (¼˝ FNPT gauge ports)**
- **4** ⅜˝ FNPT (¼˝ 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/stainless steel
- **B** Tefzel® ring/stainless steel, diaphragm-attached poppet

DIAPHRAGM TYPE, 2ND STAGE
- **1 Standard diaphragm**
- **2** Diaphragm-attached poppet
- **3** Self-relieving
- **8** Tefzel® ring/stainless steel
- **B** Tefzel® ring/stainless steel, diaphragm-attached poppet

CAP ASSEMBLY, 1ST STAGE
- **1 Tamper-proof**

CAP ASSEMBLY, 2ND STAGE
- **1 Standard**
- **4** Panel mount

CGA FITTINGS

Use '000' to omit CGA
Use 'CUS' 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 PTFE
- **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 PTFE
- **Q** PEEK™, low temperature service, plastic knob

2ND STAGE Cv FLOW
- **3 0.06**
- **5** 0.2
- **C** 0.025
- **H** 0.5

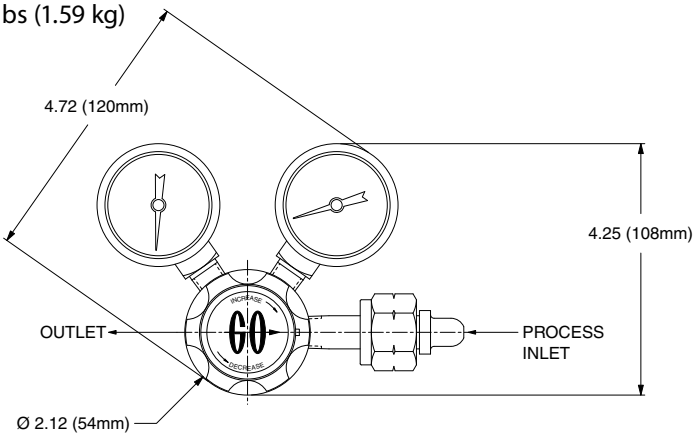
Maximum Temperature & Operating Inlet Pressures

SEAT MATERIAL	MAXIMUM TEMPERATURE		MAXIMUM OPERATING INLET PRESSURE
Tefzel®	150° F (66° C)	@	3600 psig (24.82 MPa)
High density PTFE	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)

NOTE: The choices above represent an abbreviated list of the more commonly ordered options. For a complete listing of all available options, please see the Selection Wizard on the GO website at www.goreg.com or contact the factory.

Outline & Mounting Dimensions

Weight = 3.5 lbs (1.59 kg)



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Kel-F® is a registered trademark of 3M Company.
PEEK™ is a trademark of Victrex PLC.