

# GO Regulator

## **CYL-20 Series**

Corrosion-resistant Two-stage Pressure Reducing Regulator



Precision pressure control is now possible with the CYL-20 Series regulator. This two-stage regulator, constructed of 316L stainless steel and PTFE, has less than 0.01 percent outlet pressure change with varying inlet pressures and is designed for use in gas calibration systems and semiconductor materials processing.

With materials of only 316L stainless steel, PTFE and Tefzel®, this regulator is suitable for service in corrosive streams as well as non-corrosive streams with potential surface absorption problems. This regulator accepts inlet pressures up to 6000 psig and has bubble-tight shutoff. Operating temperature ranges may vary from  $-40^{\circ}$  C up to  $+260^{\circ}$  C and outlet pressure ranges of 0–10 psig up to 0–500 psig are easily adjustable by a fluted knob.

### Features & Specifications

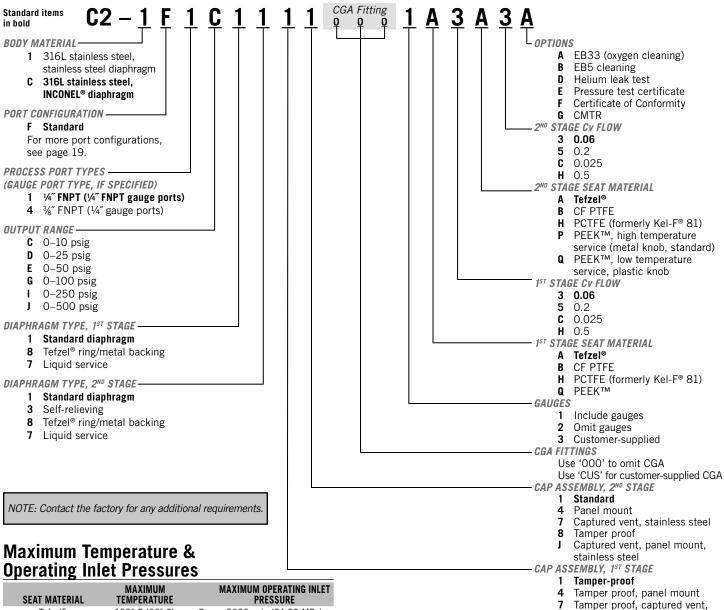
- 316L stainless steel, INCONEL®, PTFE & Tefzel® in contact with operating media only
- Stainless steel caps & adjusting screws
- Bubble-tight shutoff
- CGA fitting for cylinder connection
- 2" diameter 316 stainless steel gauges
- Maximum inlet pressure: 6000 psig
- Outlet pressure ranges of 0–10 psig, , 0-25 psig 0–50 psig, 0–100 psig, 0–250 psig and 0–500 psig
- PTFE lined INCONEL® diaphragm standard
- Cv flow coefficients: 0.025, 0.06, 0.20, 0.50
- Operating temperatures of one line: -40° F to +500° F (-40° C to +260° C)
- Outlet pressure change is 0.01 psig per 100 psig of inlet decay

#### **Options**

- Captured vent
- Shutoff valve
- 3/8" FNPT

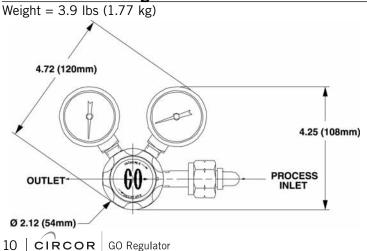
To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm Verify that your chosen part number is valid using the GO Wizards at www.goreg.com/products/matrix/index.htm

#### **How to Order**



SEAT MATE		AXIMUM Perature		MAXIMUM OPERATING INLET PRESSURE
Tefzel®	150°	F (66° C)	@	3600 psig (24.82 MPa)
PCTFE (formerly	Kel-F® 81) 175°	F (80° C)	@	6000 psig (41.37 MPa)
PEEKT	™ 500°	F (260° C)	@	3600 psig (24.82 MPa)
PEEKT	™ 175°	F (80° C)	@	6000 psig (41.37 MPa)
CF PTF	E 175°	F (80° C)	@	3600 psig (24.82 MPa)

**Outline & Mounting Dimensions** 



Tefzel® is a registered trademark of the DuPont Company. INCONEL® is a registered trademark of Special Metals Corporation. Kel-F® is a registered trademark of 3M Company. PEEK $^{\text{TM}}$  is a trademark of Victrex PLC.

stainless steel

Tamper proof, captured vent, panel mount, stainless steel

