

CYL-3 Series

High Pressure Economy Brass Cylinder Regulator



(Shown with optional outlet valve)

The CYL-3 Series is an economical brass high pressure regulator, designed to accept inlet pressures up to 3600 psig and deliver outlet pressures from 0–100 psig up to 0–2000 psig. This single-stage brass regulator is perfectly suited for cylinder usage with non-corrosive gases. Good regulation characteristics are provided by a carefully engineered piston sensor. Ease of outlet pressure adjustment is provided by the T-handle, which is offered as standard.

Features & Specifications

- Inlet pressures up to 3600 psig
- Control pressures from 0–100 psig up to 0–2000 psig
- Brass (alloy 360) construction
- Stainless steel poppet
- 20 micron inlet filter
- Bubble-tight shutoff
- CGA connection with integral inlet filter
- 2" diameter brass gauges
- Cv flow coefficients: 0.06 (standard), 0.2 (optional)
- Better than 25 Ra finish in diaphragm cavity
- Optional relief valves and outlet shutoff valves

pressure regulators

CYL-3 Series

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

Standard items in bold

C3 - 2 F 1 G 1 3 A 1 CGA Fitting **0 0 0 1 A**

BODY MATERIAL

2 Brass

PORT CONFIGURATION

F Standard

For more port configurations, see page 19.

PROCESS PORT TYPES

(GAUGE PORT TYPE, IF SPECIFIED)

1 1/4" FNPT (1/4" FNPT gauge ports)

OUTPUT RANGE

G 0-100 psig

I 0-250 psig

J 0-500 psig

K 0-1000 psig

L 0-2000 psig

PISTON TYPE

1 Non-self-relieving

3 Self-relieving

OPTIONS

A EB33 (oxygen cleaning)

B EB5 cleaning

D Helium leak test

E Pressure test certificate

F Certificate of Conformity

G CMTR

GAUGES

1 Include gauges

2 Omit gauges

3 Customer-supplied

CGA FITTINGS

Use '000' to omit CGA

Use 'CUS' for customer-supplied CGA

CAP ASSEMBLY

1 Standard

4 Panel mount

8 Tamper-proof

A Low torque

Y Hand knob

SEAT MATERIAL

A Tefzel®

I PTFE

FLOW COEFFICIENT (Cv)

3 0.06

5 0.2

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)

NOTE: Contact the factory for any additional requirements.

Tefzel® is a registered trademark of the DuPont Company.

Outline & Mounting Dimensions

Weight = 2.74 lbs (1.22 kg)

