

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)

