



GO REGULATOR

CC2 Series Compact Two Stage Cylinder Pressure Regulator

The CC2 Series compact two-stage precision pressure regulator is well suited for instrumentation applications requiring a precise and stable delivery pressure. This regulator was originally designed to meet the needs of the instrumentation industry, however it would also be very useful in many other applications that require a compact two stage pressure regulator to supply a precise delivery pressure with fluctuating supply pressures.

Another benefit of using the CC2 Series is that internally it shares some of its design features and options with the time proven CPR-1 Series pressure regulator. These features and options allow the customer to essentially tailor his regulator to accommodate virtually any application requiring low to moderate flow rates. Unit will also be offered with inlet/outlet pressure gauges, CGA connections and relief valves.

The CC2 Series Regulator is manufactured as a standard in aluminum. Please consult GO Regulator for any optional materials of construction that might be required for toxic or corrosive process gas applications.

Features & Specifications

- Compact size
- Two stage regulation
- Stainless steel diaphragm
- Gas or liquid service
- Low internal volumes
- Maximum inlet pressure up to 3600 psig
- Outlet pressure ranges 0–10, 0–25, 0–50, 0–100, 0–250 and 0–500 psig
- C_v flow coefficients 0.06, 0.025, 0.2
- Leak rate, bubble tight
- Operating temperatures -40° F (-40° C) to +175° F (+80° C)
- Inlet/outlet connections 1/8" FNPT, 1/4" tube

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CC2 Series

Compact Two Stage Cylinder Pressure Regulator

How to Order

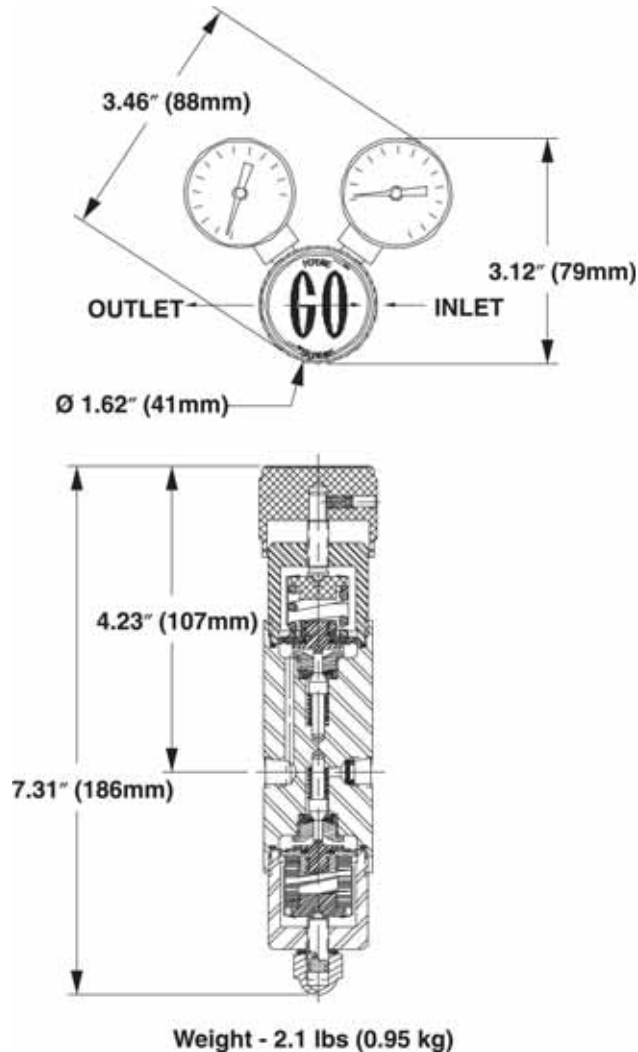
See page 19 for standard configurations. For additional configurations, consult the factory.
See page 28 for port locations.

Maximum Temperature & Operating Inlet Pressures

Seat Material	Maximum Temperature	@	Maximum Operating Inlet Pressure
Tefzel®	150° F (66° C)	@	3600 psig (24.82 MPa)
PEEK	175° F (80° C)	@	3600 psig (24.82 MPa)
PCTFE (Formerly Kel-F-81)	175° F (80° C)	@	3600 psig (24.82 MPa)

Tefzel® is a registered trademark of Dupont.

Outline and Mounting Dimensions



For flow curve charts, go to www.goreg.com/catalog/pr/cyl/cc2/cc2_flow.htm.



GO REGULATOR

CYL-1 Series Single Stage Brass Cylinder Gas Pressure Reducing Regulator

The CYL-1 Series is designed as a complete compact pressure control module. The basis of this unit is the economical PR-2 Series pressure control valve which is widely used in instrumentation sample systems as well as many other applications requiring maximum reliability. This regulator, when ordered with appropriate gauges and CGA inlet fitting, is designed for use as a compressed gas cylinder regulator for those applications where the corrosion resistance of stainless steel is not a requirement.

Features & Specifications

- CGA inlet fitting
- Integral inlet filter
- 2" diameter brass gauges
- Teflon® lined stainless steel diaphragm
- Maximum inlet pressure 3600 psig
- Outlet pressure ranges 0–10, 0–25, 0–50, 0–100, 0–250, 0–500 and 0–750 psig
- Fluid media; non-corrosive gases
- Operating temperatures -40° F (-40° C) to +175° F (+80° C)
- C_v flow coefficients 0.025, 0.06, 0.20

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CYL-1 Series

Single Stage Brass Cylinder Gas Pressure Reducing Regulator

How to Order

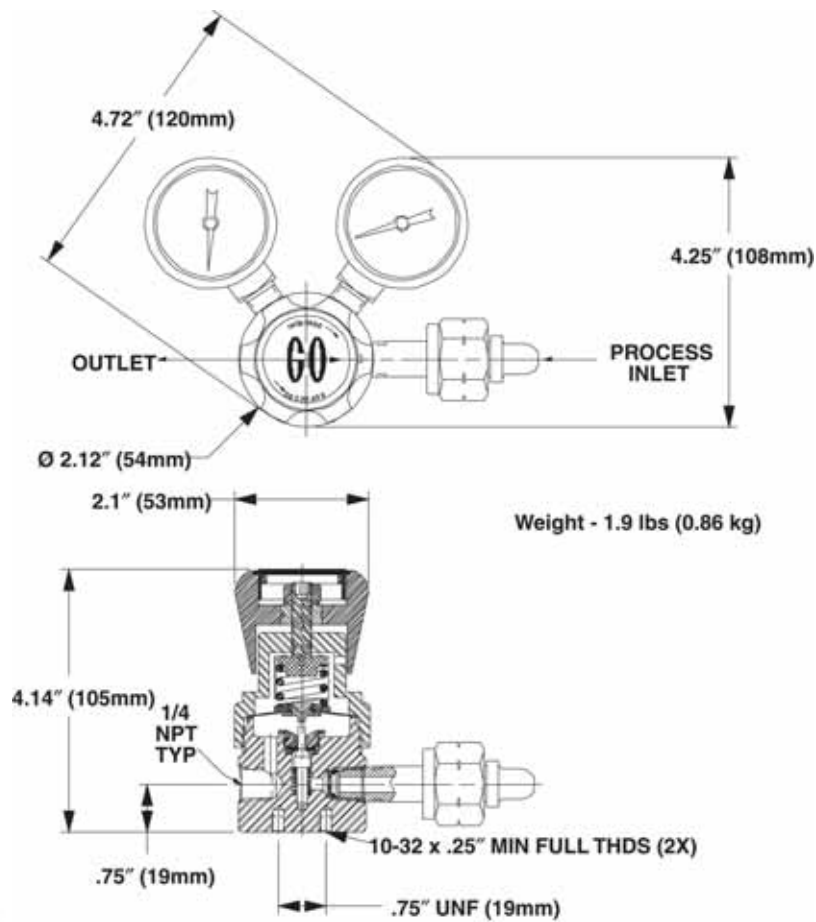
See page 20 for standard configurations. For additional configurations, consult the factory.
See page 28 for port locations.

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



For flow curve charts, go to www.goreg.com/catalog/pr/cyl/cyl1/cyl1_flow.htm.



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

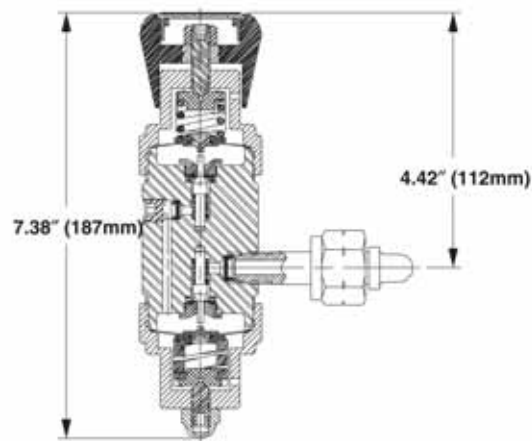
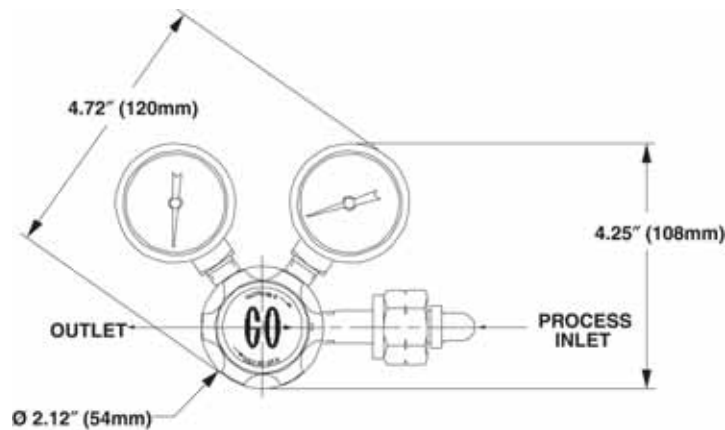
See page 20 for standard configurations. For additional configurations, consult the factory.
See page 28 for port locations.

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.



GO REGULATOR

CYL-3 Series High Pressure Economy Brass Cylinder Regulator

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 3,600 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-inch diameter brass gauges
- C_v flow coefficients 0.06 (standard), 0.2 (optional)
- Better than 25 Ra finish in diaphragm cavity
- Optional relief valves and outlet shut off valves

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CYL-3 Series

High Pressure Economy Cylinder Regulator

How to Order

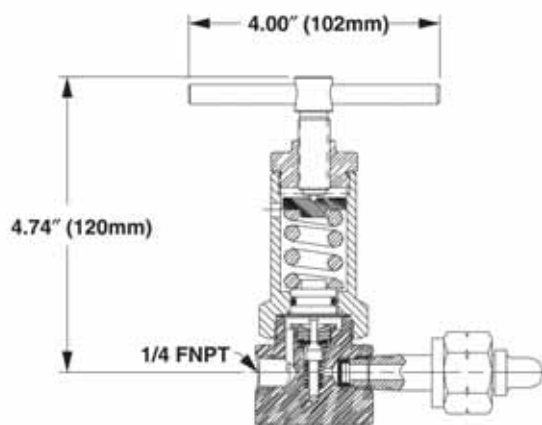
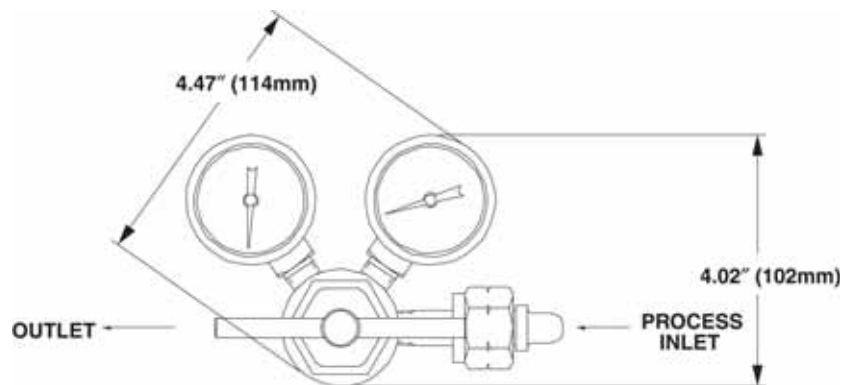
See page 22 for standard configurations. For additional configurations, consult the factory.
See page 28 for port locations.

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)

Tefzel® and Teflon® are registered trademarks of Dupont.

Outline and Mounting Dimensions



Weight - 2.7 lbs (1.22 kg)

For flow curve charts, go to www.goreg.com/catalog/pr/cyl/cyl3/cyl3_flow.htm.



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 SS and Teflon®, has less than .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, Teflon® 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 6,000 psig and has bubble tight shutoff. Operating temperature ranges may vary from -40° C up to +260° C and outlet pressure ranges of 0–10 up to 0–500 psig are easily adjustable by a fluted knob.

Features & Specifications

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

Options

- Relief valve
- Captured vent
- Special fittings including all metal VCR® compatible
- Shut off valve

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CYL-20 Series

Corrosion Resistant Two-Stage Pressure Reducing Regulator

How to Order

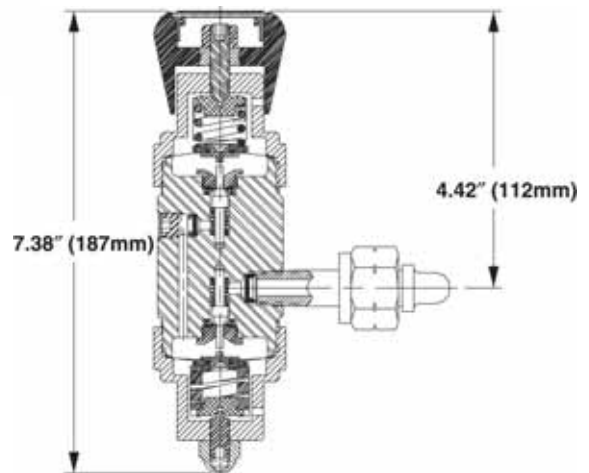
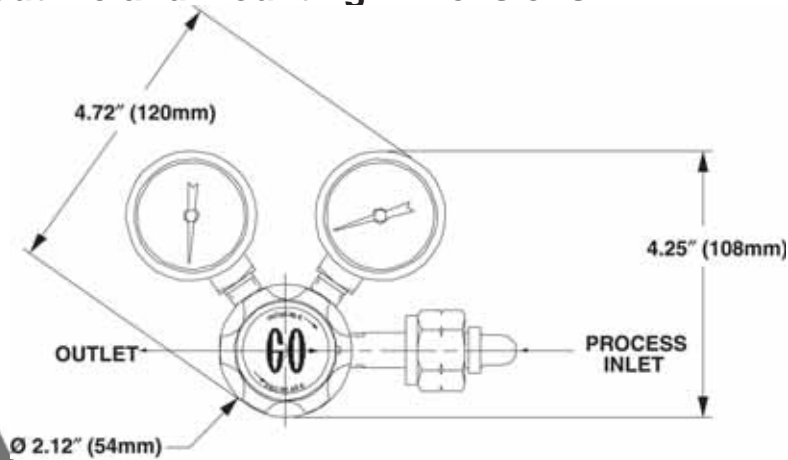
See page 23 for standard configurations. For additional configurations, consult the factory.
See page 28 for port locations.

Maximum Temperature & Operating Inlet Pressures

Stainless Steel			
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)	@	6000 psig (41.37 MPa)
Polyimide	500° F (260° C)	@	3600 psig (24.82 MPa)
	175° F (80° C)	@	6000 psig (41.37 MPa)
PEEK	500° F (260° C)	@	3600 psig (24.82 MPa)
	175° F (80° C)	@	6000 psig (41.37 MPa)

* Temperatures in excess of 175° F (80° C) require the use of a metal knob or the tamper proof option.
Tefzel® and Teflon® are registered trademarks of Dupont.

Outline and Mounting Dimensions



Weight - 3.9 lbs (1.77 kg)

For flow curve charts, go to www.goreg.com/catalog/pr/cyl/cyl20/cyl20_flow.htm.



GO REGULATOR

CYL-21 Series Corrosion Resistant Single Stage Cylinder Regulator

The CYL-21 Series is a compact cylinder regulator based on the time proven design of the PR-1 Series single stage stainless steel line regulator and is suitable for most corrosive gas cylinder applications. While normally used for low and moderate flow service, optional high flow orifices are available.

The standard unit is equipped with CGA connector, integral inlet filter, inlet and outlet pressure gauges and may be ordered with extra inlet or outlet ports for inlet purging, outlet relief valves or other accessory items. When used in service with toxic or explosive gases, we recommend the installation of a captured vent option. This option is a true captured vent cap and not merely a standard cap with a vent port. It comes complete with a CGA fitting and 2" diameter gauges.

Features & Specifications

- 316L stainless steel construction (standard), Monel optional
- Inlet pressures up to 6000 psig
- Electropolished body with better than 25 Ra finish in diaphragm cavity
- 20 micron inlet filter
- Bubble tight shutoff
- CGA inlet fitting
- 2" diameter 316 stainless steel gauges
- Outlet pressure ranges 0–10, 0–25, 0–50, 0–100, 0–250 and 0–500 psig
- Optional C_v flow coefficients 0.025, 0.06, 0.20, 0.50

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CYL-21 Series

Corrosion Resistant Single Stage Cylinder Regulator

How to Order

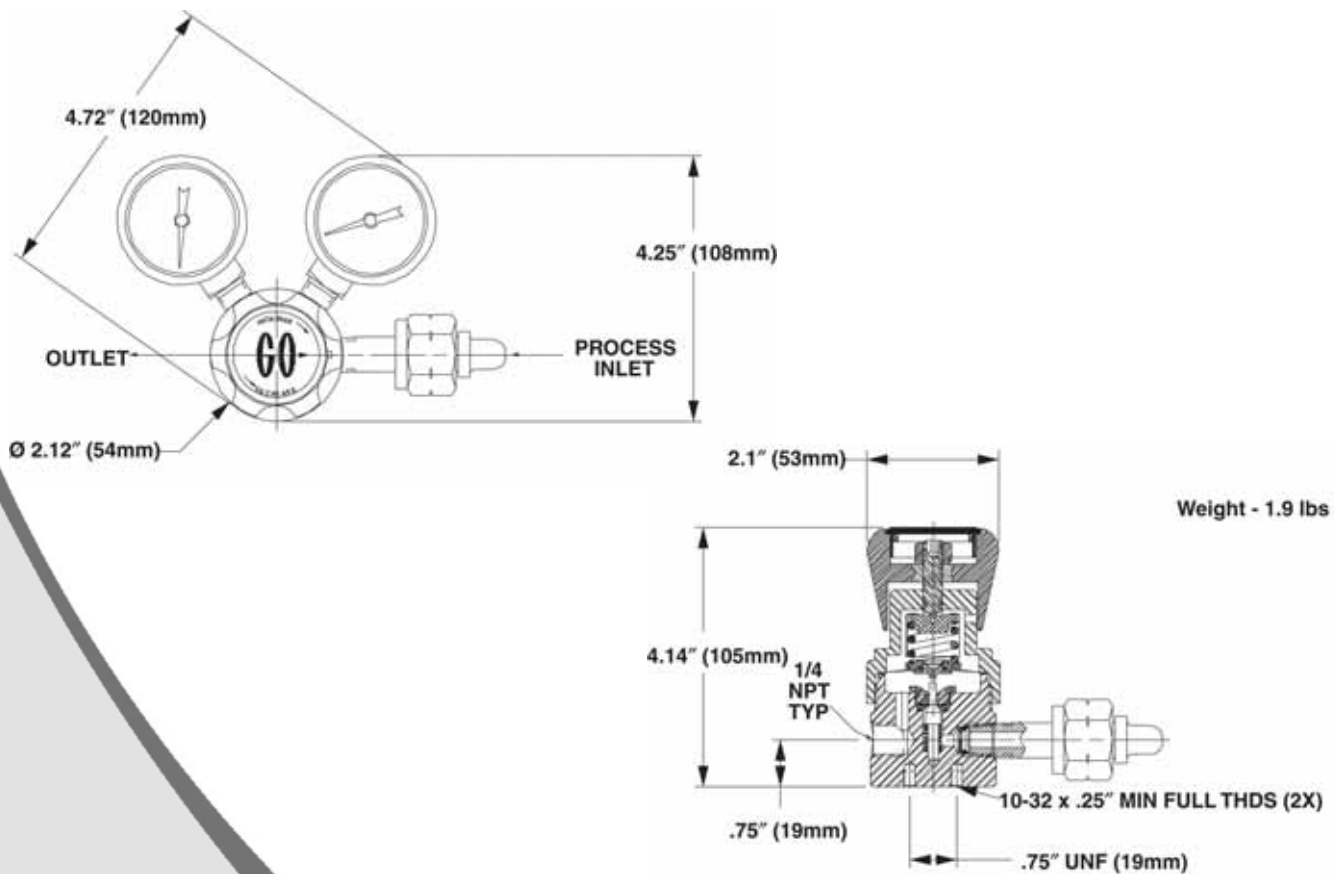
See page 24 for standard configurations. For additional configurations, consult the factory.
See page 28 for port locations.

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-F81)	175° F (80° C)	@	6000 psig (41.37 MPa)
Polyimide	500° F (260° C)	@	3600 psig (24.82 MPa)
Polyimide	175° F (80° C)	@	6000 psig (41.37 MPa)
PEEK	500° F (260° C)	@	3600 psig (24.82 MPa)
PEEK	175° F (80° C)	@	6000 psig (41.37 MPa)

* Temperatures in excess of 175° F (80° C) require the use of a metal knob or the tamper proof option.
Tefzel® and Teflon® are registered trademarks of Dupont.

Outline and Mounting Dimensions



For flow curve charts, go to www.goreg.com/catalog/pr/cyl/cyl21/cyl21_flow.htm.



GO REGULATOR

COM-1 Series Crossover Manifold Regulator System

The COM-1 Series crossover manifold system consists of two PR-1 type SS regulators (PR-2 type, brass, optional) mounted on a panel mounting type bracket shown with optional gauges. The primary regulator, supplied with a tamper proof nut, is set at an outlet operating pressure at least 15 psig higher than the secondary regulator (supplied with a standard adjusting knob). As the primary supply source depletes and the operating outlet pressure of the primary regulator falls below the preset operating pressure of the secondary regulator, the secondary regulator takes over. Once this occurs, the secondary regulator can be manually adjusted 1/8 turn clockwise, the secondary regulator is now the primary and the depleted supply source can be replaced.

Features & Specifications

- Inlet pressure to 6000 psig
- Outlet pressures range 0–10, 0–25, 0–50, 0–100 or 0–250 psig
- Changeover pressures 15–250 psig
- C_v flow coefficients 0.025, 0.06, 0.2
- All connections 1/4" FNPT
- 20 micron inlet filter
- 316L stainless steel construction; brass and Monel optional
- Seat materials of Teflon®, PCTFE, Tefzel®, Polyimide, PEEK
- Bubble tight shutoff
- 2" diameter gauges (optional)
- Operating temperatures -40° F (-40° C) to +500° F (+260° C)
- Bracket mounted for easy installation

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COM-1 Series

Crossover Manifold Regulator System

How to Order

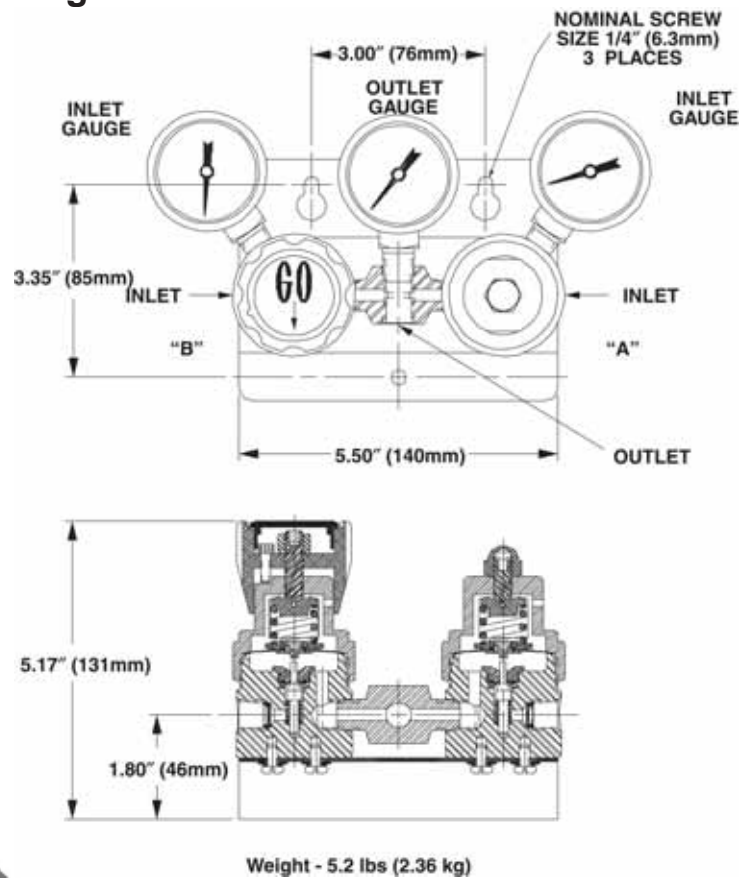
See page 25 for standard configurations. For additional configurations, consult the factory.
See page 28 for port locations.

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-F81)	175° F (80° C)	@	6000 psig (41.37 MPa)
Polyimide	500° F (260° C)	@	3600 psig (24.82 MPa)
Polyimide	175° F (80° C)	@	6000 psig (41.37 MPa)
PEEK	500° F (260° C)	@	3600 psig (24.82 MPa)
PEEK	175° F (80° C)	@	6000 psig (41.37 MPa)

Tefzel® and Teflon® are registered trademarks of Dupont.

Outline and Mounting Dimensions



For flow curve charts, go to www.goreg.com/catalog/pr/cyl/com_1/com1_flow.htm.

GO REGULATOR

COM-2B Series

Crossover Manifold Regulator System



The COM-2B Series crossover manifold system uses two PR-1 (stainless steel) type regulators (PR-2 type, brass, optional) built in a single body functioning as the changeover regulators with the common outlet port connected to a single line regulator to provide constant unchanging supply pressure unaffected by supply source depletion. All are mounted on a bracket complete with gauges. As the primary supply source depletes and the operating outlet pressure of the primary regulator falls below the preset changeover pressure of the secondary regulator, the secondary regulator takes over. Once this occurs, the primary regulator can be manually adjusted 1/8 turn counterclockwise, the secondary regulator is now the primary and the depleted supply source can be replaced.

Features & Specifications

- Bracket mounted for easy installation
- Allows changing of cylinders during operation
- Available in stainless steel, brass and Monel
- Steady outlet pressure during cylinder depletion
- 0.01% pressure control accuracy
- Inlet pressures to 6000 psig
- Outlet pressure ranges 0–10, 0–25, 0–50, 0–100 or 0–250 psig
- Changeover pressures 15–250 psig
- C_v flow coefficients 0.025, 0.06, 0.2, 0.5
- All connections 1/4" FNPT
- 20 micron inlet fitters
- 316L stainless steel construction
- Teflon® lined stainless steel diaphragm
- Operating temperatures -40° F (-40° C) to +500° F (+260° C)

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COM-2B Series

Crossover Manifold Regulator System

How to Order

See page 26 for standard configurations. For additional configurations, consult the factory.
See page 28 for port locations.

Maximum Temperature & Operating Inlet Pressures

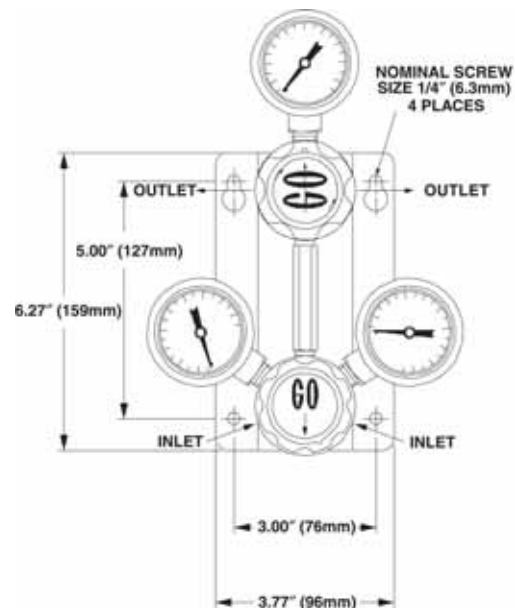
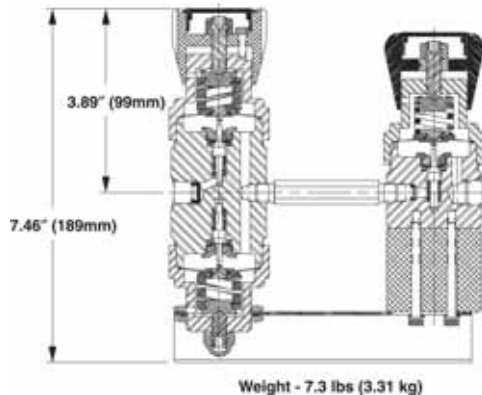
Stainless Steel			
Seat Material	Maximum Temperature*	@	Maximum Operating Inlet Pressure
Tefzel®	150° F (66° C)	@	3600 psig (24.82 MPa)
High Density Teflon®	150° F (66° C)	@	3600 psig (24.82 MPa)
PCTFE (formerly Kel-F81)	175° F (80° C)	@	6000 psig (41.37 MPa)
Polyimide	500° F (260° C)	@	3600 psig (24.82 MPa)
Polyimide	175° F (80° C)	@	6000 psig (41.37 MPa)
PEEK	500° F (260° C)	@	3600 psig (24.82 MPa)
PEEK	175° F (80° C)	@	6000 psig (41.37 MPa)

* Temperatures in excess of 175° F (80° C) require the use of a metal knob or the tamper proof option.

Brass			
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-F81)	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



For flow curve charts, go to www.goreg.com/catalog/pr/cyl/com_2/com2_flow.htm.



GO REGULATOR

COM-2P Series Crossover Manifold Regulator System

The COM-2P employs two discrete single stage PR-1 type regulators built into a single body. These regulators serve as the primary and secondary changeover regulators with the common outlet port connected to a single PR-1 Series regulator. This allows for the non-stop delivery of gas from bottles with only a 0.01% change in outlet pressure as the inlet pressure varies. The hardware comes mounted in an attractive 300 series panel that is suitable for surface mounting near the bottles. Labels are permanently silk-screened on the face of the panel for easy identification of process ports and gauges. The unit comes complete with pressure gauges and shut off valves. Suitable for gases and liquids.

Features & Specifications

- Complete panel system including gauges and vent valves for easy installation
- Allows changing of cylinders during operation
- Available in both stainless steel and brass (other materials also available)
- Steady outlet pressure during cylinder depletion
- 0.01% pressure control accuracy
- Inlet pressures to 6000 psig
- Outlet pressure ranges 0–10, 0–25, 0–50, 0–100 or 0–250 psig
- Changeover pressures 15-250 psig
- C_v flow coefficients 0.025, 0.06, 0.2, 0.5
- All connections 1/4" FNPT
- 20 micron sintered inlet filters
- Teflon® lined stainless steel diaphragm
- Operating temperatures -40° F (-40° C) to +500° F (+260° C)

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COM-2P Series

Crossover Manifold Regulator System

How to Order

See page 27 for standard configurations. For additional configurations, consult the factory.
See page 28 for port locations.

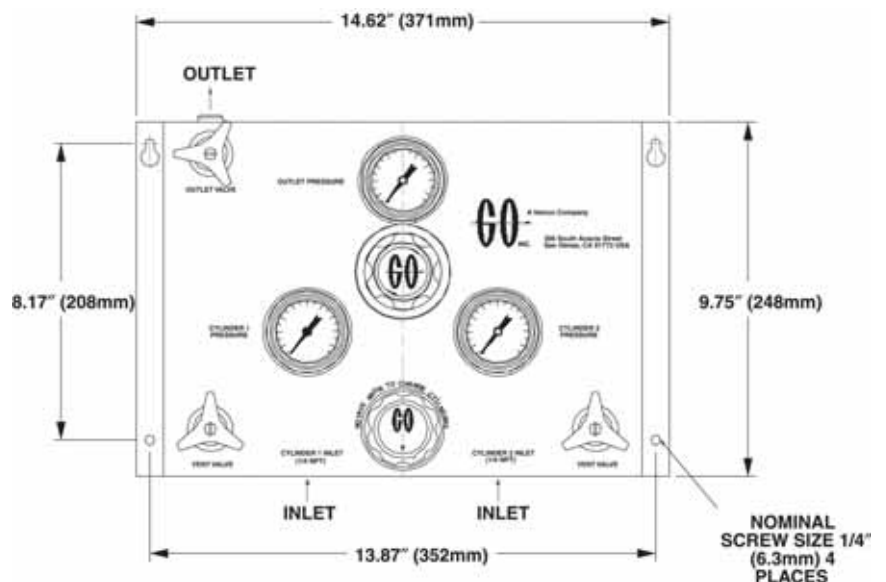
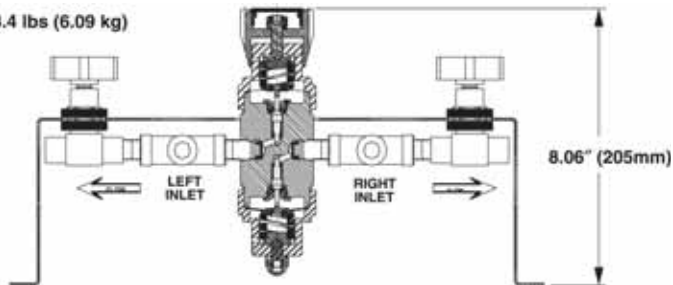
Maximum Temperature & Operating Inlet Pressures

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)	@	6000 psig (41.37 MPa)
Polyimide	500° F (260° C)	@	3600 psig (24.82 MPa)
Polyimide	175° F (80° C)	@	6000 psig (41.37 MPa)
PEEK	500° F (260° C)	@	3600 psig (24.82 MPa)
PEEK	175° F (80° C)	@	6000 psig (41.37 MPa)

* Temperatures in excess of 175° F (80° C) require the use of a metal knob or the tamper proof option.
Tefzel® and Teflon® are registered trademarks of Dupont.

Outline and Mounting Dimensions

Weight - 13.4 lbs (6.09 kg)



For flow curve charts, go to www.goreg.com/catalog/pr/cyl/com_2/com2_flow.htm.

CC-2 Series - Pressure Reducing Regulators

													Material of Body												
													1 SS 316L												
													2 Brass												
													3 Aluminum												
													Port Configuration (see page 28) STANDARD BODY "F" (TWO INLET PORTS AND TWO OUTLET PORTS)												
													F												
													Process port types (gauge port type, if specified)												
													2 1/4" Tube (1/4" Tube Gauge ports)												
													0 1/8" FNPT (1/8" 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 Type 2nd Stage												
													1 Standard												
													Cap Assembly 1st Stage												
													1 Tamper Proof												
													4 Tamper Proof, Panel Mount												
													5 Tamper Proof, Captured Vent												
													Cap Assembly 2nd Stage												
													1 Standard, Aluminum												
													4 Panel Mount, Aluminum												
													5 Captured Vent, Aluminum												
													7 Captured Vent, S.S.												
													8 Tamper Proof, Aluminum												
													9 Fine Adjust, 1/2" Panel Mount, Aluminum												
													0 Fine Adjust, 1-3/8" Panel Mount, Aluminum												
													D Captured Vent, Tamper Proof, S.S.												
													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 Kel-F												
													Q PEEK												
													1st Stage Cv Flow												
													3 0.06												
													5 0.2												
													C 0.025												
													2nd Stage Seat Material												
													A Tefzel												
													H Kel-F												
													Q PEEK												
													2nd Stage Cv Flow												
													3 0.06												
													5 0.2												
													C 0.025												
CC2 -																									
Material	Port Config.	Port Style	Output Range	Diaphragm Type 1st Stage	Diaphragm Type 2nd Stage	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										

CYL-1 Series - Pressure Reducing Regulators

2		Material of Body									
Brass											
F		Port Configuration (see page 28) STANDARD BODY "F" (TWO INLET PORTS AND TWO OUTLET PORTS)									
		Process port types (gauge port type, if specified)									
1	1/4" FNPT (1/4" FNPT Gauge ports)										
2	1/4" Tube (1/4" Tube Gauge ports)										
3	1/4" Sch 80 Pipe (1/4" FNPT Gauge ports)										
4	3/8" FNPT (1/4" FNPT Gauge ports)										
6	1/2" Tube (1/4" Tube Gauge ports)										
K	1/4" Sch 40 Pipe (1/4" FNPT Gauge ports)										
		Diaphragm Type									
1	Standard Diaphragm										
2	Diaphragm Attached Poppet										
3	Self Relieving										
4	Vacuum Assist Spring, Standard Diaphragm										
5	Vacuum Assist Spring, Diaphragm Attached Poppet										
8	Tefzel Ring / SS										
		Seat Material									
A	Tefzel										
B	CF Teflon										
C	Polyimide										
H	PCTFE (formerly Kel-F 81)										
I	High Density Teflon										
Q	PEEK										
		Flow Coefficient (Cv)									
Cv											
3	0.06										
5	0.2										
C	0.025										
		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										
W	0 - 750 Psig										
		Cap Assembly									
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										
C 1 -											
Material	Port Config.	Port Style	Diaphragm Type	Seat Material	Flow Coefficient (Cv)	Output Range	Cap Assembly	C	G	A	Gauges

CYL-2 Series - Pressure Reducing Regulators

														Material of Body													
														2 Brass													
														8 Chrome Plated Brass													
														Port Configuration (see page 28)													
														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												

CYL-3 Series - Pressure Reducing Regulators

2		Material of Body									
Brass											
F		Port Configuration (see page 28)									
STANDARD BODY "F" (TWO INLET PORTS AND TWO OUTLET PORTS)											
1		Process port types (gauge port type, if specified)									
1/4" FNPT (1/4" FNPT Gauge ports)											
0		1/8" FNPT (1/8" FNPT Gauge ports)									
G		Output Range									
0 - 100 Psig											
I		0 - 250 Psig									
J		0 - 500 Psig									
K		0 - 1000 Psig									
L		0 - 2000 Psig									
1		Piston Type									
Non Self Relieving											
3		Self Relieving									
3		Flow Coefficient (Cv)									
0.06											
5		0.2									
A		Seat Material									
Tefzel											
I		Teflon									
1		Cap Assembly									
Standard											
4		Panel Mount									
8		Tamper Proof									
A		Low Torque									
Y		Hand Knob									
CGA Fitting											
Use 0 in all boxes to omit CGA.											
Use "CUS" in boxes for customer supplied CGA.											
1		Gauges									
Include Gauges											
2		Omit Gauges									
3		Customer Supplied									
C	3	-									
Material	Port Config.	Port Style	Output Range	Piston Type	Flow Coefficient (Cv)	Seat Material	Cap Assembly	C	G	A	Gauges

CYL-21 Series - Pressure Reducing Regulators

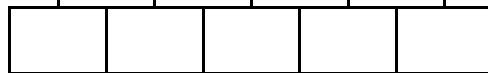
1		Material of Body									
4		Monel									
F		Port Configuration (see page 28) STANDARD BODY "F" (TWO INLET PORTS AND TWO OUTLET PORTS)									
1		Process port types (gauge port type, if specified)									
2		1/4" FNPT (1/4" FNPT Gauge ports)									
3		1/4" Tube (1/4" Tube Gauge ports)									
4		1/4" Sch 80 Pipe (1/4" FNPT Gauge ports)									
6		3/8" FNPT (1/4" FNPT Gauge ports)									
K		1/2" Tube (1/4" Tube Gauge ports)									
		1/4" Sch 40 Pipe (1/4" FNPT Gauge ports)									
		Diaphragm Type									
1		Standard Diaphragm									
2		Diaphragm Attached Poppet									
3		Self Relieving									
4		Vacuum Assist Spring, Standard Diaphragm									
5		Vacuum Assist Spring, Diaphragm Attached Poppet									
8		Tefzel Ring / SS									
		Seat Material									
A		Tefzel									
B		CF Teflon									
C		Polyimide									
H		PCTFE (formerly Kel-F 81)									
I		High Density Teflon									
Q		PEEK									
		Flow Coefficient (Cv)									
3		0.06									
5		0.2									
C		0.025									
H		0.5									
		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									
		Cap Assembly									
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									

C 1 -

Material	Port Config.	Port Style	Diaphragm Type	Seat Material	Flow Coefficient (Cv)	Output Range	Cap Assembly	C	G	A	Gauges
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		Material of Body	
1	316L Stainless Steel		
2	Brass		
4	Monel		
		Seat Material	
A	Tefzel		
B	CF Teflon		
C	Polyimide		
H	PCTFE (formerly Kel-F 81)		
I	High Density Teflon		
Q	PEEK		
		Flow Coefficient (Cv)	
Cv	3	0.06	
	5	0.2	
	C	0.025	
	H	0.5	
		Output Range	
	C	0 - 10 Psig	
	D	0 - 25 Psig	
	E	0 - 50 Psig	
	G	0 - 100 Psig	
	I	0 - 250 Psig	
		Gauges	
	1	Include Gauges	
	2	Omit Gauges	
	3	Customer Supplied	

COM 1 -



Material

Seat Material

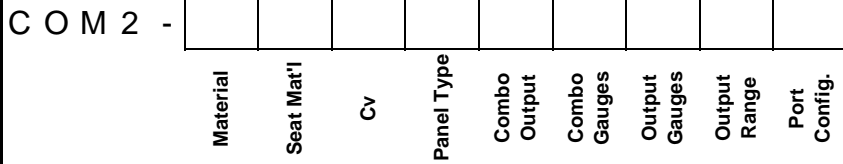
Cv

Output Range

Gauges

COM-2B Regulator Assemblies

		Material of Body	
1	SS 316L		
2	Brass		
		Seat Material	
A	Tefzel		
B	CF Teflon		
C	Polyimide		
H	PCTFE (formerly Kel-F 81)		
I	High Density Teflon		
Q	PEEK		
		Flow Coefficient (Cv)	
3	0.06		
5	0.2		
C	0.025		
H	0.5		
		Panel Type	
B	Bracket		
		Combo Regulator Set Point	
J	150 Psig Over Output Regulator Range		
		Combo Regulator Pressure Gauges	
1	With Gauges		
2	Less Gauges		
3	Customer Supplied		
		Output Regulator Pressure Gauges	
1	With Gauges		
2	Less Gauges		
3	Customer Supplied		
		Output Regulator Output Range	
C	0 - 10 Psig		
D	0 - 25 Psig		
E	0 - 50 Psig		
G	0 - 100 Psig		
I	0 - 250 Psig		
		Output Regulator Port Configuration	
A	A Style		
B	B Style		
C	C Style		
D	D Style		
E	E Style		
G	G Style		
L	L Style		
Q	Q Style		



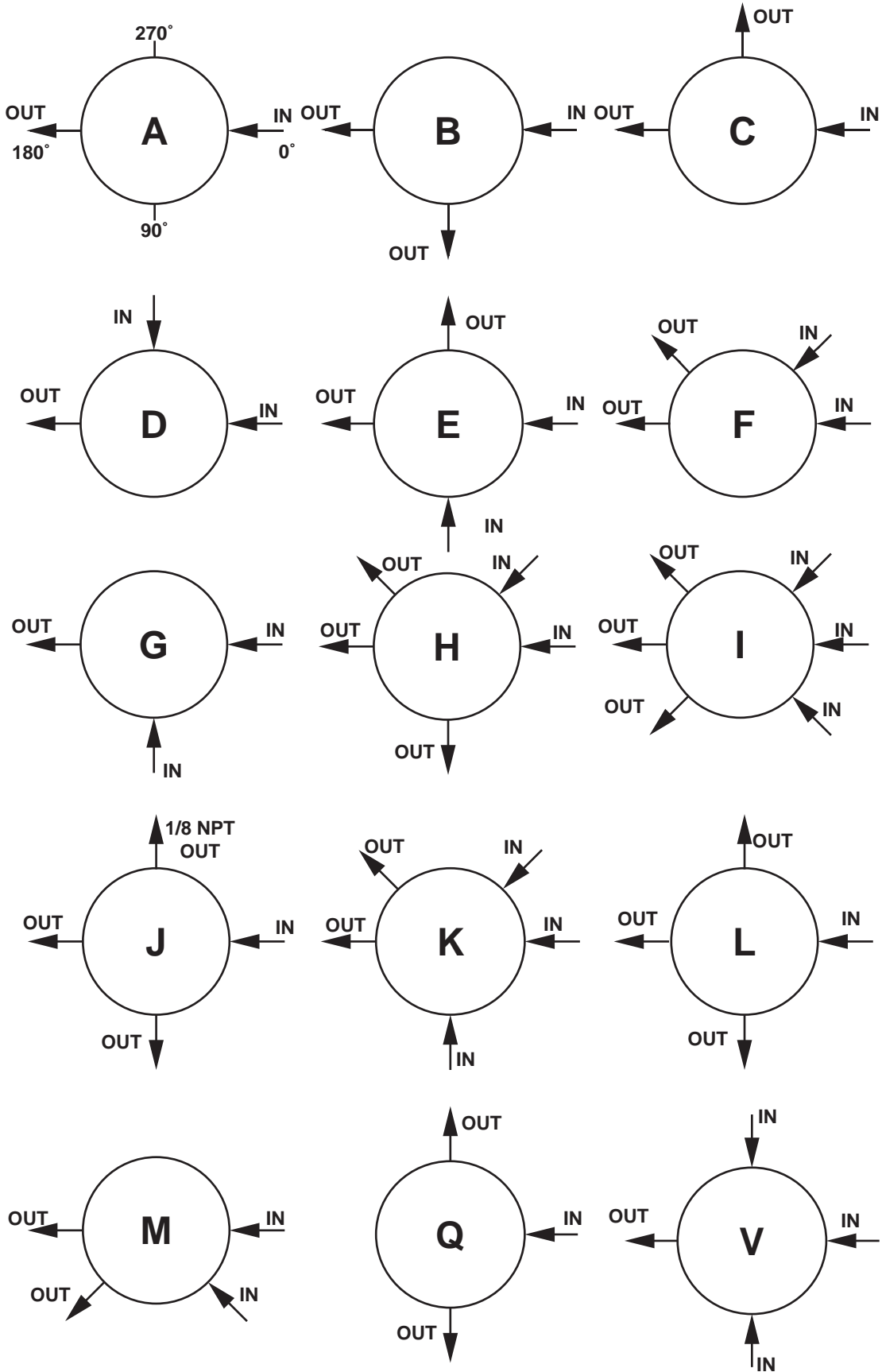
COM-2P Regulator Assemblies

		Material of Body	
1	SS 316L		
2	Brass		
4	Monel		
		Seat Material	
A	Tefzel		
B	CF Teflon		
C	Polyimide		
H	PCTFE (formerly Kel-F 81)		
I	High Density Teflon		
Q	PEEK		
		Flow Coefficient (Cv)	
3	0.06		
5	0.2		
C	0.025		
H	0.5		
		Panel Type	
P	Deluxe Panel		
		Combo Regulator Set Point	
J	150 Psig Over Output Regulator Range		
		Combo Regulator Pressure Gauges	
1	With Gauges		
2	Less Gauges		
3	Customer Supplied		
		Output Regulator Pressure Gauges	
1	With Gauges		
2	Less Gauges		
3	Customer Supplied		
		Output Regulator Output Range	
C	0 - 10 Psig		
D	0 - 25 Psig		
E	0 - 50 Psig		
G	0 - 100 Psig		
I	0 - 250 Psig		
		Output Regulator Port Configuration	
L	L Style (standard)		

COM 2 -

				J				L	
Material	Seat Mat'l	Cv	Panel Type	Combo Output	Combo Gauges	Output Gauges	Output Range	Port Config.	

PORT LOCATIONS (CYLINDER REGULATORS)



LOCATION OF PORTS FROM TOP VIEW