

COM-2B Series

Crossover Manifold Regulator System



The COM-2B Series crossover manifold system uses two PR-1-type stainless steel 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 psig, 0–25 psig, 0–50 psig, 0–100 psig or 0–250 psig
- Changeover pressures: 15–250 psig
- Cv flow coefficients: 0.025, 0.06, 0.2, 0.5
- All connections: 1/4" FNPT
- 20 micron inlet filters
- 316L stainless steel construction
- PTFE-lined INCONEL® diaphragm, standard
- Operating temperatures: –40° F to +500° F (–40° C to +260° C)

* Installation of shut off valves in each inlet port is recommended for complete isolation during change out of cylinders.

pressure regulators

COM-2B 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

COM2 – 1 A 3 B J 1 1 C L A

BODY MATERIAL

- 1** 316L stainless steel, stainless steel diaphragm
- 2** Brass, stainless steel diaphragm
- 4** MONEL®, INCONEL® diaphragm
- C** **316L stainless steel, INCONEL®** diaphragm, standard

SEAT MATERIAL

- A** Tefzel®
- B** CF PTFE
- H** PCTFE (formerly Kel-F® 81)
- 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

OPTIONS

- A** EB33 (oxygen cleaning)
- B** EB5 cleaning
- D** Helium leak test
- E** Pressure test certificate
- F** Certificate of Conformity
- G** CMTR

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

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 PRESSURE GAUGES

- 1** **With gauges**
- 2** Less gauges
- 3** Customer-supplied

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)
PCTFE (formerly Kel-F® 81)	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)
CF PTFE	175° F (80° C)	@ 3600 psig (41.37 MPa)

Brass

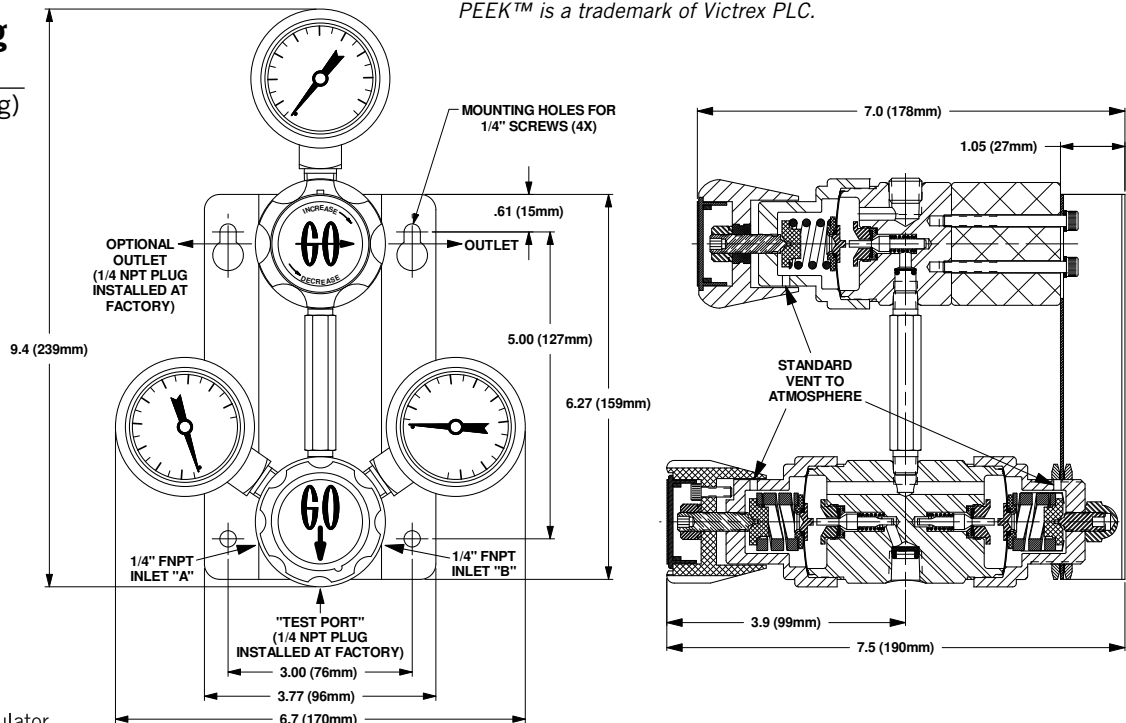
SEAT MATERIAL	MAXIMUM TEMPERATURE	MAXIMUM OPERATING INLET PRESSURE
Tefzel®	150° F (66° C)	@ 3600 psig (24.82 MPa)
PCTFE (formerly Kel-F® 81)	175° F (80° C)	@ 3600 psig (41.37 MPa)
PEEK™	175° F (80° C)	@ 3600 psig (41.37 MPa)
CF PTFE	175° F (80° C)	@ 3600 psig (41.37 MPa)

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

MONEL® is a registered trademark of Special Metals Corporation.
 Tefzel® is a registered trademark of the tef Company.
 Kel-F® is a registered trademark of 3M Company.
 PEEK™ is a trademark of Victrex PLC.

Outline & Mounting Dimensions

Weight = 7.3 lbs (3.31 kg)



NOTE: Contact the factory for any additional requirements.