

Condec - CYLinderREGulator

Designed for In-House Nitrogen Supply Cylinder Pressure-Reducing Applications

Our Cylinder Regulator Assembly (CYLREG) allows the operator to ensure a properly regulated pressure output from an existing "in house" Nitrogen Supply Cylinder that has a Maximum Charge of 3000 PSIG. CYLREG has Maximum input pressure rating of 3000 PSIG and a Maximum operator controlled regulated output pressure based on selected model.

In the US, valve connections are sometimes referred to as 'CGA connections,' since the Compressed Gas Association (CGA) publishes guidelines on what connections to use for what products (e.g., In the USA, an Argon, Helium, Krypton, Neon, Tetra Fluoro Methane, Xenon or Nitrogen cylinder will have a CGA 580 connection on the cylinder). These CYLREG assemblies have been designed for use with Nitrogen and the factory needs to be consulted prior to use with other gases. Note: if the nut on a CGA connection has a notch in it, it uses a left-handed thread.

CYLREG assembly has a Condec REG series pressure regulator with upstream (inlet) and downstream (outlet) pressure gauges. Once attached to the cylinder using supplied CGA 580 connection, unit allows operator to monitor cylinder supply pressure and regulate the flow of gas, based on pressure shown on the downstream gauge. Unit also has a male 7/16-20 37° AN-4 Output Port for attachment to downstream device. As an example, the Output Port connection may be attached to a Condec UPC5000 or UPC5100 Portable Pressure Calibrators via standard fill port hose for use in refilling their internal cylinder.

When a CYLREG assembly is mated with our patented Condec model Orion 2C Cased valve assembly, it allows the operator to have regulated cylinder pressure with finger-tip downstream adjustment utilizing the input and output needle valves and vernier.

Applications

- Gas applications
- In-House nitrogen cylinder regulation



Standard Features

- Same Condec "REG" series regulator as used in our Portable Pressure Calibrators and Source 3000.
- Low Torque required by operator for pressure adjustment.
- Single Stage, Venting Type with spring controlled piston.
- Integral inlet filter used to promote long life when used in clean systems.
- CGA 580 fitting for direct connection to the In-House cylinder.
- 1/4 inch 37 degree male output port connection.

CONDEC 
Genuine Quality, Proven Performance.

230 W Coleman St. · Rice Lake, WI 54868 · USA
Toll Free: 888-295-8475 · International: 715-234-9171
FAX: 715-234-6967 · Website: www.4condec.com

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specifications

MODELS:

CYLREG 3000 - 3000 PSIG Input, 3000 PSIG Output

Other Models available with regulated output pressures of 2000, 1000 and 500 PSIG. Contact Factory for details

MAXIMUM PRIMARY (INLET) PRESSURE:

3000 PSIG (206.9 Bar)

PRESSURE MEDIA:

Clean dry nitrogen or equal

OPERATING TEMPERATURE:

0°F to +140°F (-18° to +60°C)

PRESSURE REGULATOR:

3000 PSIG, single stage, self venting, non-bleed

PRESSURE GAGES:

(2) two-inch diameter, 0-4000 PSIG

PRESSURE FITTINGS:

Input: CGA 580 Brass, mates with customer's nitrogen cylinder

Output: 7/16-20 37 degree Flare Male JIC, Steel,
Trivalent Chromium Zinc

OPTIONS:

- 55282 UPC5000/UPC5100 fill port (input) 5' long hose fitted with quick disconnect plug (brass) on one end and 1/4" 37 degree female AN swivel coupling on the other end
- 55251 5' long hose, 2500 PSIG working pressure, fitted with Male 1/8-27 NPT on one end and 1/4" 37 degree female AN swivel coupling on the other end
- 55253 10' long hose, 2500 PSIG working pressure, fitted with Male 1/8-27 NPT on one end and 1/4" 37 degree female AN swivel coupling on the other end
- 55254 15' long hose, 2500 PSIG working pressure, fitted with Male 1/8-27 NPT on one end and 1/4" 37 degree female AN swivel coupling on the other end
- 55256 20' long hose, 2500 PSIG working pressure, fitted with Male 1/8-27 NPT on one end and 1/4" 37 degree female AN swivel coupling on the other end
- 67250 5' long hose, 3000 PSIG working pressure, fitted with Male 1/4-18 NPT on one end and 1/4" 37 degree female AN swivel coupling on the other end
- 58476 Universal steel fitting kit (max working pressure based on individual fitting, see Lit Sheet 63548)
- 54854 Cheat Seal
(used when connecting hose to CYLREG output port)



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