



REGO IS A LEADING MANUFACTURER OF GAS AND CRYOGENIC VALVES, REGULATORS AND RELIEF VALVES FOR GAS AND CRYOGENIC STORAGE/DISTRIBUTION SYSTEMS.

Visit Our Website at: www.regoproducts.com

WARNING: Installation, usage and maintenance of this product must be in compliance with all RegO® instructions as well as all requirements and provisions of national, and local standards, codes, regulations, and laws. Inspect regularly. Replace as required. The safe useful life of a regulator is less than 15 years in most applications. Only qualified personnel should perform installation, maintenance and inspections; and all instructions read and understood before installation, operation and maintenance. It is required to pass these instructions to the end user of the products.

CAUTION: Avoiding the inhalation of, or skin contact with compressed and cryogenic gases is advised. Many of these gases can cause asphyxiation, serious injury, or death. See MSDS for specific information regarding the safe handling of the service gas. Evacuation of gas should take place in a well-ventilated area to ensure dispersion. Keep gases far away from open flames or other sources of ignition to prevent fire or explosion.

NOTE: 1682M Series suitable for use on Argon (Ar), Helium (He), Hydrogen (H₂), Neon (Ne), Nitrogen (N₂), Nitrous Oxide (N₂O), Oxygen (O₂), Xenon (Xe), Compressed Air, and Mixtures of these gases. C-1682M Series suitable for use on Carbon Dioxide (CO₂) and other inert gases. Maximum allowable pressure 400 PSIG (28 bar).

Installation:

1. Refer at RegO® catalog for sizing and selection information.
2. Apply a pipe joint compound suitable for use of the gas service (such as PTFE tape) to male threads on the piping.
3. Clean dirt and foreign material from all piping and fittings.
4. Be sure the inlet and outlet of the regulator is correctly installed in-line according to the designed flow pattern and markings on the regulator body.
5. Pressure gauges must also be suitable for this service.
6. Position Regulators to protect vents from elements of ice, snowdrifts, rain, dirt, bugs, paint, or other foreign material.
7. Follow all local and national codes and standards for pressure testing and leak testing the installation.

Regulator Series	Part No. Suffix	Delivery Pressure Range	
		Pressure	Unit
1682M C-1682M	S & SG	100-250	PSIG
		(6.9-17.2)	(bar)
	M & MG	50-125	PSIG
		(3.5-8.6)	(bar)
	L & LG	5-50	PSIG
		(0.3-3.5)	(bar)

**OPERATING INSTRUCTIONS
FOR 1682 SERIES
HEAVY DUTY PRESSURE REGULATORS**

Operation:

Note: RegO® regulators are pressure accessories according to the European Pressure Equipment Directive (97/23/EC). Should the design pressure of the downstream system(s) be lower than the pressure that can occur up stream, protect the lowest design pressure element from the highest overall system pressure.

The 1682 Series Regulators are designed to reduce maximum inlet pressure of 400 PSIG (28 bar) to a delivery pressure of 5-250 PSIG (0.3-17.2 bar). They are accurate and dependable over a wide range of operating conditions: come in a variety of sizes, capacities and designs to suit your needs; and are ideal as a second stage regulator. The 1682 Series Regulator delivers and pressure within the range of the spring size selected. Please follow the recommended ranges shown in the chart.

1. To make adjustments loosen the lock nut on the adjusting screw in the bonnet.
2. Turning the adjusting screw down (clockwise) increases the delivery pressure.
3. Turning the adjusting screw up (counterclockwise) decreases the delivery pressure.
4. When installed in a gas system, a hydrostatic relief valve must be installed both up stream and down stream between the regulator and a shutoff valve.
5. When the system is under pressure, observe the end connections for leaks. If leaks are detected, close all line valves and correct the problem.
6. Should the regulator be disconnected from the system, ensure all pressure is bled before uncoupling.

Maintenance and Inspection:

Periodically check for:

1. Any signs of corrosion due to salt water, industrial pollutants, chemicals, and roadway contaminants;
2. Any physical damage that would prevent proper sealing and usage or that may cause product failure under pressure;
3. Leaks in the end connections of the regulator;
4. Proper operation as foreign matter may affect the performance of the regulator.

Keep all equipment clean, and replace damaged equipment immediately

Hazards:

These regulators are suitable for use in gas service. Caution must be exercised with gas service where the application involves trapping gas between the regulator and a shut-off valve, either upstream or downstream of the regulator.

Piping systems that confine gas without appropriate protection against over pressurization.

Never uncouple the regulator from the piping system until all pressure has been released from the lines.