

# **REGO REGULATOR DESIGNS**

RegO LP-Gas Regulators have been designed to give outstanding performance and dependability with a minimum of maintenance.

## **Nozzle Orifice**

Replaceable and precision machined to prevent scoring of the seat disc.

#### Seat Disc

Replaceable, resilient construction gives sure closing at

lock up pressure. Straight line seat disc to nozzle operation provides even seat disc wear and positive lock up.

#### Pivot Pin

Fully enclosed in regulator body.

# **Control Linkage**

Provides quick response to diaphragm movement; moves directly perpendicular to nozzle orifice to meter gas flow, gives positive closure and reduces seat disc wear.

# **Built-In Pressure Tap**

Provides a convenient way to check downstream pressure on both high and low pressure models.

# Body & Bonnet

Painted, heavy-duty zinc resists corrosion and gives longlife protection, even under "salty air" conditions.



Molded synthetic rubber with a tough, flexible fabric gives a super sensitive response in a temperature range of -40° to +165°F. Molded diaphragm seals in a groove between the body and bonnet.

#### **Diaphragm Plate**

Rigid diaphragm plate transmits pressure variations to control linkage.

#### **Relief Valve**

It is built in and tamper resistant. Large bonnet vent allows high capacity relief on second stage regulators.

#### **Bonnet Cap**

Bonnet cap incorporates travel stop to help control downstream pressure in the unlikely event of a regulator malfunction.

# Large Bonnet Vent

Large vent is equipped with protective screen and threaded for %"F. NPT vent piping. Large vent helps prevent ice from building up and blocking the vent during inclement weather. The regulator should be installed with vent down and the vent protected against blockage.



#### Laser Engraved Bonnet

New bonnet design features laser- engraved information that is easy to see and matches available stickers for gas check and record keeping. \*Patent Pending

**Easy to Turn Adjusting Screw** 

We redesigned our adjusting screw to be easily turned.

## <sup>1</sup>/<sub>8</sub>" pressure plug ports

Our 1/8" pressure plug ports conform to 7/6" hex wrenches.

# **Typical of the 1580 Industrial High Pressure Regulators**

The pounds-to-pounds, industrial regulator gives higher delivery pressure as tank pressure decreases, thus permitting full use of the gas in the tank. Most units are field adjustable to meet changing conditions.

#### Connections

Machined and threaded into the body forging; also includes 1/4" NPT pressure gauge ports.

Seat Disc

Synthetic rubber assembly attached directly to the diaphragm assembly to ensure proper movement and regulation.

**Back Cap Spring** Provides added upward force to help provide a positive lock-up.

## Sensitivity

In those cases where there is a choice of delivery pressure ranges, the lowest spring range which will fulfill your requirements is recommended because the sensitivity of a regulator decreases as the range of the adjusting spring increases.

## **Relief Valves**

Most high pressure regulators are not equipped with integral relief valves. For certain applications where it is desirable to protect equipment downstream of the regulator, relief valves must be installed in the line.



Minimizes tendency to vibrate or hum under extreme loads.

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