

# 4902 SERIES MINI

## SINGLE STAGE VACUUM ACTUATED REGULATORS

## SPECIFICATIONS

### MAXIMUM INLET PRESSURE

3000 PSIG

### Flow:

- 3.0 LPM @ 3" H<sub>2</sub>O, up to 8LPM with increased vacuum

### PORTING

#### Integrated Inlet Porting

##### Options:

- C10 integrated 1/4 FNPT, (Standard)
- 1/4 FNPT
- 1/8 FNPT

#### Optional Inlet Adaptor

##### Connections:

- C-10 (5/8-18 UNF)
- CGA 180
- CGA 350
- CGA 330/660
- CGA 580/590
- CGA 600

#### Integrated Outlet Porting

##### Options:

- 1/8" FNPT (Standard)

#### Optional Outlet Adaptor

##### Connections:

- 3/16" hose barb (Standard)
- 1/8" hose barb
- 1/4" hose barb

### MATERIAL OF CONSTRUCTION

#### Body Options:

- 6061-T6 Aluminum, Clear Anodized (Standard)
- 303 Stainless Steel

#### Bonnet Options:

- Aluminum, Clear Anodized

#### O-RINGS SEALS:

- Viton® (Standard)
- EPDM
- Numerous other compounds available

#### DIAPHRAGM:

- • Buna-N (Standard)

#### INLET GAUGE:

- Brass Socket / Stainless Steel Case (Standard)
- Stainless Steel Socket / Stainless Steel Case

#### Valve Seat: Teflon®



The 4902 Series demand flow regulators (also referred to as "sample regulators" and "vacuum actuated regulators") supply gas as demanded by an analyzer and automatically shut off.

The highly sensitive, single stage design allows for reduced testing time, permitting the flow of gas at less than one inch water column. Furthermore, the high flow capacity of the 4902 Series demand flow regulator enables multiple analyzers to be tested on a single docking station. The 4902 Series regulators offer great flexibility, available in 6061-T6 aluminum, nickel plated brass, and stainless steel, with a variety of: porting options, wetted materials, o-ring seals, elastomers, gauges, and other additional options.

The demand flow regulators make calibration quick and easy by eliminating the need for sample bags, flow meters, or special operator training; they also save on expensive calibration gases by only transferring as much gas as demanded by the instrument. Commonly used with: gas analyzers, portable gas detectors, calibration gases, instruments that use pump drawn calibration gases.

## FEATURES AND BENEFITS

Compact size (3" diameter x 2.0" high)

The unique high flow capability of the 4902 Series design allows multiple analyzers on a single docking station.

Reduced particle contamination with 40 Micron stainless steel inlet filter

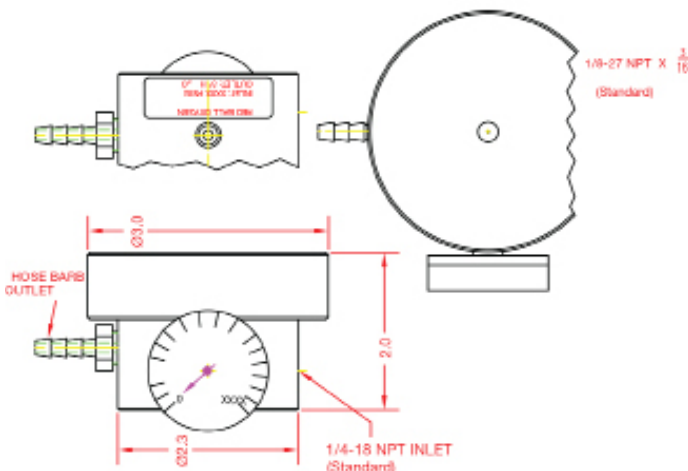
Integral Relief Valve

Versions available with integral C10 connections

Versions available with stainless steel bodies and wetted components.

Models are available for both corrosive and non-corrosive service

Machined bar stock bodies eliminate porosity found in castings



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