



## Model 4900 Series

### Single Stage Corrosion Resistant Stainless Steel, Monel, Hastelloy Regulator



#### Description

High purity, single stage regulator with tied diaphragm and Hastelloy trim for use with high vapor pressure corrosive gases. Convoluted diaphragm provides sensitivity, minimum droop.

#### Applications

- Supply of corrosive gases where extra corrosion resistance and positive shutoff is desired.
- Supply of corrosive gases to manufacturing and research facilities.

#### Design Features/Components

- 316 stainless steel regulator body provides good corrosion resistance
- Hastelloy internal valve trim provides an extra measure of resistance in the most vulnerable area of the regulator
- Tied Diaphragm for positive shutoff
- Metal to metal diaphragm to body seal
- 2-1/2" Monel gauges provide extra corrosion resistance
- Monel cylinder connection
- Monel outlet diaphragm valve
- Monel 1/4" Swagelok compression fitting on outlet
- Positionable captured bonnet vent, threaded
- Cv = 0.16

#### Materials of Construction

|               |                     |
|---------------|---------------------|
| Body:         | 316 stainless steel |
| Diaphragm:    | 316 stainless steel |
| Valve/Nozzle: | Hastelloy           |
| Gauges:       | Monel               |
| Bonnet:       | 316 stainless steel |
| Seat:         | CTFE                |

#### Specifications

|                         |   |
|-------------------------|---|
| Maximum Inlet Pressure: | 4903: 300 psig (2,070 kPa)<br>4905 / 4920: 3000 psig (20,700 kPa)<br>4915 / 4921: 1000 psig (6,900 kPa) |
| Maximum Flow Rate:      | 4903: 3 scfm Nitrogen<br>All other models: 5 scfm Nitrogen  |
| Flow Capacity:          | 0.16  |
| Operating Temperatures: | -40°F to +165°F (-40°C to +74°C)  |
| Body Porting:           | 1/4" NPT Female, 2 high, 2 low  |
| Shipping Weight:        | 5 lbs   |

#### Ordering Information

| Part Number* | Delivery Pressure Range | Delivery Pressure Gauge | Cylinder Pressure Gauge |
|--------------|-------------------------|-------------------------|-------------------------|
| SEQ4903660   | 50 psig                 | 100 psig                | 300 psig                |
| SEQ4905CGA   | 50 psig                 | 100 psig                | 3000 psig               |
| SEQ4915CGA   | 50 psig                 | 100 psig                | 1000 psig               |
| SEQ4920CGA   | 200 psig                | 300 psig                | 3000 psig               |
| SEQ4921CGA   | 200 psig                | 300 psig                | 1000 psig               |

\*Note: For ordering, replace letters "CGA" with the valve outlet CGA number for the gas cylinder you are using. Some CGA limitations may apply.

#### Options

| Part Number* | Description          |
|--------------|----------------------|
| SEQ4775CGA   | Cross Purge Assembly |

\*Note: For ordering, replace letters "CGA" with the valve outlet CGA number for the gas cylinder you are using. Some CGA limitations may apply.