



## 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) 4905 / 4920: 3000 psig (20,700 kPa) 4915 / 4921: 1000 psig (6,900 kPa)
Maximum Flow Rate:	4903: 3 scfm Nitrogen 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 1/4" NPT Female, 2 high, 2 low
Shipping Weight:	5 lbs

#### Ordering Information

Model Number	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
4903-660	50 psig	100 psig	300 psig
4905-CGA	50 psig	100 psig	3000 psig
4915-CGA	50 psig	100 psig	1000 psig
4920-CGA	200 psig	300 psig	3000 psig
4921-CGA	200 psig	300 psig	1000 psig

#### Options

Model Number	Description
4775-CGA	Cross Purge Assembly