



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