



Model 3900 Series

Single-Stage Corrosion Resistant Nickel-Plated Brass Regulator

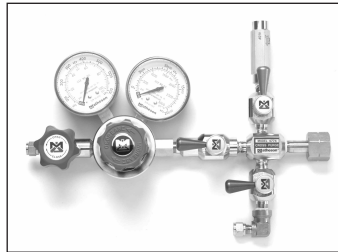


Description

Regulators with design features to resist attack from corrosive gases.

Applications

- Pressure regulation of acid forming halogen gases, such as chlorine, hydrogen fluoride, hydrogen bromide, and silicon tetrafluoride.
- Large Cv provides higher flow with low vapor pressure gases



Shown with optional cross purge.

Design Features/Components

- Nickel plated brass body provides good corrosion resistance in halogen services
- 2" inlet and delivery pressure gauges
- Bonnet ported and threaded to pipe gases away from work area
- Porous metal filter protects seat from contamination
- Supplied with a stainless steel diaphragm valve
- 1/4" compression tube outlet connection

Materials of Construction

Gauges:	Stainless steel
Body:	Nickel plated brass barstock
Bonnet:	Stainless steel
Diaphragm:	Stainless steel
Seat:	Kel-F
Seals:	TFE Teflon
Inlet Connection:	Stainless steel

Specifications

Maximum Inlet Pressure:	Model 3905, 3120: 3000 psig (20,700 kPa) Model 3915, 3921: 1000 psig (6,900 kPa) Model 3903: 300 psig (2,070 kPa)
Maximum Flow Rate: (At 2000 psig, N ₂):	Model 3905: 1100 CFH (520 LPM) Model 3915: 750 CFH (354 LPM) Model 3920: 2000 CFH (945 LPM) Model 3921: 1200 CFH (565 LPM) Model 3903: 400 CFH (188 LPM)
Flow Capacity (Cv):	0.6
Operating Temperature:	-40°F to 165°F (-40°C to 74°C)
Porting (Regulator Body):	1/4" NPT Female
Porting Configuration:	2 High, 2 Low
Shipping Weight:	6 lbs

Ordering Information

Model Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
3905-CGA	2-50 psig	0-100 psig	0-3000 psig
3915-CGA	2-50 psig	0-100 psig	0-1000 psig
3920-CGA	10-200 psig	0-300 psig	0-3000 psig
3921-CGA	10-200 psig	0-300 psig	0-1000 psig
3903-660	2-50 psig	0-100 psig	0-300 psig

*Note: Some CGA limitations may apply.

Options

Model Number	Description
4775-CGA	Cross Purge Assembly*
4755-CGA	Tee Purge Assembly
KIT-0202-BK	Bonnet Venting Kit
402V	Check Valve, Viton Seat, Monel
402E	Check Valve, EPR Seat, Monel

*Recommended for use with corrosive gases.