



Model 3900 Series

Single-Stage Corrosion Resistant Nickel-Plated Brass Regulator

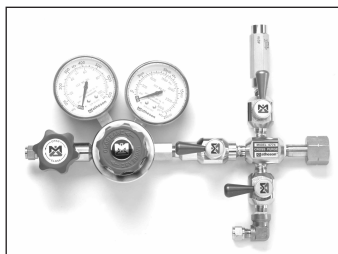


Description

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.