

Model 3250 Series

Economical Corrosion Resistant Regulators



Model 3250 Series Corrosion Resistant Regulators

Matheson's Model 3250 Series of corrosion resistant regulators control delivery pressures up to 160 psig. The regulators can be used with corrosive, semi-corrosive and special gas mixtures.

The regulators feature an economical, reliable design with a large diaphragm for increased sensitivity. To ensure user safety, the units incorporate vented bonnets with pipe connection for venting hazardous materials in the event of diaphragm failure. The Model 3250 Series is also designed to provide increased positive shut-off should the regulator seat action become fouled.

Applications

The Model 3250 Series regulators are intended for use with acid forming halogen compounds. Generally, these gases include hydrogen chloride, chlorine, hydrogen fluoride, hydrogen bromide and silicon tetrafluoride.

Design Features/Components

- Economical, corrosion resistant design
- Chemically plated nickel forged brass body and bonnet
- Maximum inlet pressures up to 3000 psig
- Delivery pressure range from 0 to 160 psig
- Direct connected seat increases nozzle shut-off forces should control nozzle become fouled
- Bonnet ported and threaded to pipe gases away from work area
- Equipped with Model 104 Monel[®] packed needle outlet valve
- Supplied with Monel[®] inlet connections
- Teflon[®] seals throughout
- 1/4" NPT inlet and outlet ports

Specifications

Maximum inlet pressure:	3000 psig
Maximum flow rate:	25 SCFH @ 130 psig
Operating temperature:	-10° to +250°F
Inlet/outlet ports:	1/4" NPT(F)
Bonnet port:	captured vent 1/4" NPTM
Shipping weight:	8 lbs

Materials of Construction

Body:	Electroless Nickel Plated Brass
Bonnet:	Electroless Nickel Plated Brass
Diaphragms:	Stainless Steel, Teflon [®] lined on gas side
Seat:	Kel-F [®]
Seals:	Teflon [®]
Nozzle & Gauges:	Monel [®]
Inlet Connection:	Monel [®]

Models Numbers

Model Number	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
3250-CGA	0-80 psig	0-100 psig	0-3000 psig
3255-CGA	0-80 psig	0-100 psig	none
3256-CGA	0-160 psig	0-300 psig	none
3259-CGA	0-160 psig	0-300 psig	0-3000 psig

Allowable CGA inlet connections: 330, 660 670

Options

Description	Model Number	Reference
Purge assemblies*	4755-CGA	page 326
Check valves	402	page 314

*Recommended for use with corrosive gases.
For flow diagrams refer to page 270.

