



## Model 3210 Series Single-Stage Deluxe Corrosion Resistant Monel Regulator



Shown with optional cross purge.

### Description

Corrosive service regulators constructed of Monel for superior corrosion resistance.

### Applications

- Pressure regulation of acid forming halogen gases, such as hydrogen chloride, chlorine, hydrogen fluoride, hydrogen bromide, and silicon tetrafluoride; and fluorine (Model 3225A)
- Dispensing of corrosive calibration gases.
- Research and development applications where a corrosion resistant regulator is required for either corrosive ambient conditions or corrosive gas service.
- Applications requiring extended regulator lifespan in severe conditions.

### Design Features/Components

- Monel construction for excellent corrosion resistance
- Kel-F seat material for use with chlorinated compounds
- Bronze filled Teflon® for fluorinated compounds (Model 3225A)
- 2-1/2" Monel gauges
- Equipped with Monel needle valve on outlet
- Porous metal filter protects seat from contamination
- 1/4" NPTM outlet connection
- 1/4" compression tube outlet connection available as an option

### Materials of Construction

Gauges:	Monel
Body:	Monel
Bonnet:	Chrome-plated brass
Diaphragm:	Monel
Valve Stem:	Monel
Valve Spring:	Monel
Seat:	Kel-F
Seat (Model 3225A):	Bronze filled Teflon®
Seals:	Kel-F

### Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
	Model 3225A: 1000 psig (6900 kPa)
Maximum Flow Rate:	Model 3215A, 3217A, and 3219A:
(at 2000 psig, N <sub>2</sub> )	1500 SCFH (700 SLPM)
	Model 3216A, 3218A, 3220A:
	600 SCFH (280 SLPM)
	Model 3225A: 450 SCFH (210 SLPM)
Flow Capacity (Cv):	0.195
Operating Temperature:	-20°F to 150°F (7°C to 66°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
3215A-CGA	1-50 psig	0-100 psig	none
3216A-CGA	3-200 psig	0-300 psig	none
3217A-CGA	1-50 psig	0-100 psig	0-1000 psig
3218A-CGA	3-200 psig	0-300 psig	0-1000 psig
3219A-CGA	1-50 psig	0-100 psig	0-3000 psig
3220A-CGA	3-200 psig	0-300 psig	0-3000 psig
3225A-670	1-50 psig	0-100 psig	0-1000 psig
3225A-679	1-50 psig	0-100 psig	0-1000 psig
3225A-DIN8	1-50 psig	0-100 psig	0-1000 psig

\*Note: Some CGA limitations may apply.

### Options

Model Number	Description
4755-CGA	Tee Purge Assembly
4775-CGA	Cross Purge Assembly
CON-0208-MA	1/4" Compression Tube Outlet Fitting (Monel)
402	Check Valve – Monel