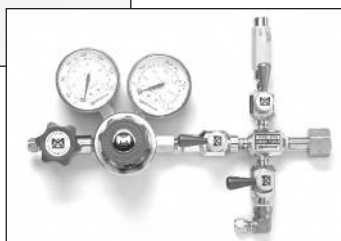




## Model 3210A Series Single-Stage Deluxe Corrosion Resistant Monel Regulator



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                          |