



Model 3210B Series Single-Stage Corrosion Resistant Regulator - Monel



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
- 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 and Elgiloy construction for excellent corrosion resistance
- PCTFE seat material for use with chlorinated compounds
- 2-1/2" Monel gauges
- Equipped with Monel needle valve on outlet
- 1/4" NPTM outlet connection

Materials of Construction

Gauges:	Monel
Body:	Monel
Bonnet:	303 Stainless Steel
Diaphragm:	Elgiloy
Valve Stem:	Monel
Valve Spring:	Elgiloy
Seat:	PCTFE
Friction Sleeve:	PTFE

Materials of Construction (Outlet Valve)

Body:	Monel
Stem:	316 Stainless Steel
Packing:	PTFE

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Flow Capacity (Cv):	0.20
Operating Temperature:	-40°F to 140°F (-40°C to 60°C)
Porting (Regulator Body):	1/4" NPT Female
Porting Configuration:	2 High, 2 Low
Outlet Valve:	SEQ104B
Valve Outlet:	1/4" MNPT

Cross Purge Option

- Eliminates the escape of hazardous gases when changing cylinders
- Reduces danger of contamination from atmospheric moisture and oxygen
- Minimizes the amount of gas lost during cylinder changes
- Monel and Aluminum-Silicon-Bronze construction

Ordering Information

Part Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
SEQ3215BCGA	1-50 psig	0-100 psig	none
SEQ3216BCGA	3-250 psig	0-300 psig	none
SEQ3217BCGA	1-50 psig	0-100 psig	0-1000 psig
SEQ3218BCGA	3-250 psig	0-300 psig	0-1000 psig
SEQ3219BCGA	1-50 psig	0-100 psig	0-3000 psig
SEQ3220BCGA	3-250 psig	0-300 psig	0-3000 psig

*Note: Where "CGA" is replaced with the actual CGA number. Some CGA limitations may apply. (NI for 1/4" FNPT inlet)