



Model 3200 Series Single-Stage High-Purity/High Flow Brass and Stainless Steel Regulator



Description

High-purity regulators for use with high flow rate applications.

Applications

- Applications requiring a high flow rate, such as purging of large reactor or storage vessels.

Design Features/Components

- High-purity nickel plated brass barstock or 316 stainless steel body
- 316 stainless steel diaphragm
- Panel mountable
- Bonnets are ported and threaded to pipe gases away from the work area
- Available as an in-line regulator or a cylinder regulator

Materials of Construction

Body:	316 stainless steel or nickel plated brass barstock
Bonnet:	Stainless steel
Diaphragm:	Teflon lined 316 stainless steel
Seat:	Kel-F 81
Seals:	Teflon

Specifications

	<u>In-Line Regulator</u>	<u>Cylinder Regulator</u>
Maximum Inlet Pressure:	3000 psig (20,700 kPa)	3000 psig (20,700 kPa)
Maximum Flow Rate:	See Table Below*	
Flow Capacity (Cv):	1.0	1.0
Operating Temperature:	-40°F to 165°F (-40°C to 74°C)	-40°F to 165°F (-40°C to 74°C)
Inlet Ports:	1/2" NPT Female	1/2" NPT Female
Outlet Ports:	1/2" NPT Female	1/2" NPT Female
Outlet Connection:	None	1/2" tube fitting
Gauge Ports:	1/4" NPT Female	1/4" NPT Female
Bonnet Vent Port:	1/16" FNPT	1/16" FNPT
Shipping Weight:	4 lbs	5 lbs

* Maximum Flow Rates for In-Line Regulators and Cylinder Regulators (at 2500 psig inlet pressure)

<u>Delivery Pressure</u>	<u>Flow Rate</u>
50 psig	100 SCFM (2832 SLPM)
100 psig	150 SCFM (4248 SLPM)
125 psig	200 SCFM (5664 SLPM)
200 psig	250 SCFM (7080 SLPM)

Ordering Information

In-Line Regulator Models

Part Number	Delivery Pressure Range	Delivery Pressure Gauge
Stainless Steel Models		
SEQ3200	0-50 psig	0-100 psig
SEQ3201	0-100 psig	30"-0-200 psig
SEQ3203	0-150 psig	30"-0-300 psig
SEQ3204	0-250 psig	0-400 psig
Brass Models		
SEQ3240	0-50 psig	0-100 psig
SEQ3241	0-100 psig	30"-0-200 psig
SEQ3243	0-150 psig	0-400 psig
SEQ3244	0-250 psig	0-400 psig

Cylinder Regulator Models

Part Number	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
Stainless Steel Models			
SEQ3200CGA	0-50 psig	0-100 psig	0-3000 psig
SEQ3201CGA	0-100 psig	30"-0-200 psig	0-3000 psig
SEQ3203CGA	0-150 psig	30"-0-300 psig	0-3000 psig
SEQ3204CGA	0-250 psig	0-400 psig	0-3000 psig
Brass Models			
SEQ3240CGA	0-50 psig	0-100 psig	0-3000 psig
SEQ3241CGA	0-100 psig	30"-0-200 psig	0-3000 psig
SEQ3243CGA	0-150 psig	0-400 psig	0-3000 psig
SEQ3244CGA	0-250 psig	0-400 psig	0-3000 psig

*Note: For ordering, replace letters "CGA" with the valve outlet CGA number for the gas cylinder you are using. Some CGA limitations may apply.

Options

Part Number	Description
SEQ632233	Inlet Pressure Gauge, 0-3000 psig –
316 Stainless Steel Gauge	For use with Model 3200-3204 Stainless Steel In-Line Regulators
SEQ633133	Inlet Pressure Gauge, 0-3000 psig –
Chrome Plated Brass Gauge	For use with Model 3240-3244 Brass In-Line Regulators
SEQKIT0204SA	Panel Mounting Kit
SEQMSP0012XX	Inboard Helium Leak Rate Certification
SEQMSP0013XX	Combination Inboard/Outboard Helium Leak Rate Certification