



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

Model Number	Delivery Pressure Range	Delivery Pressure Gauge
Stainless Steel Models		
3200	0-50 psig	0-100 psig
3201	0-100 psig	30"-0-200 psig
3203	0-150 psig	30"-0-300 psig
3204	0-250 psig	0-400 psig
Brass Models		
3240	0-50 psig	0-100 psig
3241	0-100 psig	30"-0-200 psig
3243	0-150 psig	0-400 psig
3244	0-250 psig	0-400 psig

Cylinder Regulator Models

Model Number	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
Stainless Steel Models			
3200-CGA	0-50 psig	0-100 psig	0-3000 psig
3201-CGA	0-100 psig	30"-0-200 psig	0-3000 psig
3203-CGA	0-150 psig	30"-0-300 psig	0-3000 psig
3204-CGA	0-250 psig	0-400 psig	0-3000 psig
Brass Models			
3240-CGA	0-50 psig	0-100 psig	0-3000 psig
3241-CGA	0-100 psig	30"-0-200 psig	0-3000 psig
3243-CGA	0-150 psig	0-400 psig	0-3000 psig
3244-CGA	0-250 psig	0-400 psig	0-3000 psig

Available CGA's:

Brass: 320, 346, 580, 590

Stainless Steel: 320, 326, 330, 346, 580, 590, 660, 705

Options

Model Number	Description
63-2233	Inlet Pressure Gauge, 0-3000 psig –
316 Stainless Steel Gauge	For use with Model 3200-3204 Stainless Steel In-Line Regulators
63-3133	Inlet Pressure Gauge, 0-3000 psig –
Chrome Plated Brass Gauge	For use with Model 3240-3244 Brass In-Line Regulators
KIT-0204-SA	Panel Mounting Kit
MSP-0012-XX	Inboard Helium Leak Rate Certification
MSP-0013-XX	Combination Inboard/Outboard Helium Leak Rate Certification