



Model 81 Series Dual-Stage Deluxe General Purpose Brass Regulator



Description

General purpose regulators constructed for use with non-corrosive gases.

Applications

- Calibration of pressure gauges, rotameters, and mass flow controllers.
- General purpose applications where a constant delivery pressure is required.
- Applications with high duty cycle/demanding operating conditions.

Design Features/Components

- Chrome plated brass body
- Neoprene diaphragms (1st and 2nd stages)
- 2-1/2" inlet and delivery pressure gauges
- Equipped with outlet needle valve
- 1/4" NPTM outlet connections with loose hose barb
- One-piece encapsulated seat with (10 μ) internal fitter to protect against contamination

Materials of Construction

Gauges:	Chrome plated brass
Body:	Forged brass
Bonnet:	Chrome plated zinc die cast (1st and 2nd stages)
Diaphragm:	First Stage – neoprene Second Stage – neoprene
Seats:	First Stage – PTFE Second Stage – PTFE
Seals:	Neoprene

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Flow Capacity (Cv):	0.15
Operating Temperature:	-20°F to 140°F (-29°C to 60°C)
Porting (Regulator Body):	1/4" NPT Female
Porting Configuration:	2 High, 2 Low, 1 Interstage
Shipping Weight:	6 lbs

Ordering Information

Part Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
SEQ81 CGA	2-15 psig	0-30 psig	0-3000 psig
SEQ81 LA510 **	2-15 psig	0-15 psig	0-400 psig
SEQ81 CGA	4-50 psig	0-100 psig	0-3000 psig
SEQ81 HCGA	10-125 psig	0-200 psig	0-3000 psig
SEQ81 250CGA	20-250 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.

**Acetylene service only

Options

Part Number	Description
SEQCON0208B0	1/4" Compression Tube Outlet Connection (Brass)