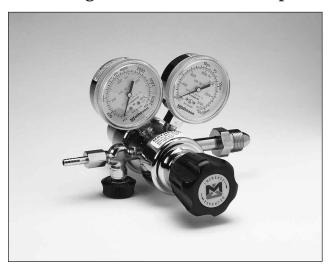
Model 81 Series

Dual-Stage Deluxe General Purpose Brass Regulator



Description

General purpose regulators constructed for use with non-corrosive

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 connection
- One-piece encapsulated seat with (10µ) internal fitter to protect against contamination

Materials of Construction

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

Second Stage - PTFE

Seals: Neoprene

Specifications

Maximum Inlet Pressure: 3000 psig (20,700 kPa)

Flow Capacity (Cv):

-20°F to 140°F (-29°C to 60°C) Operating Temperature:

Porting (Regulator Body): 1/4" NPT Female

Porting Configuration: 2 High, 2 Low, 1 Interstage

Shipping Weight:

Ordering Information			
Model Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
81L-CGA	2-15 psig	0-30 psig	0-3000 psig
81LA-510**	2-15 psig	0-15 psig	0-400 psig
81-CGA	4-50 psig	0-100 psig	0-3000 psig
81H-CGA	10-125 psig	0-200 psig	0-3000 psig
81-250-CGA	20-250 psig	0-400 psig	0-3000 psig

^{*}Note: Some CGA limitations may apply.

Options

Model Number	Description	
CON-0208-BO	1/4" Compression Tube Outlet Connection (Brass)	
400V	Check Valve	



^{**}Acetylene service only