

# **Model 81-2**

# Dual-Stage General Purpose Low Delivery Brass Pressure Regulator



#### Description

General purpose regulators designed to reduce full cylinder pressure (maximum 3000 psig) down to very low working pressures (0.1 to 2 psig).

### **Applications**

- Regulation of fuel supply to burners.
- Purging low pressure environmental chambers.

CON-0208-BO

 Maintaining low pressure blankets of inert gas on fuel and chemical storage facilities.

## **Design Features/Components**

- General purpose forged brass body
- 2-1/2" inlet and delivery pressure gauges
- Equipped with outlet needle valve
- Porous metal filter protects seat from contamination
- 1/4" NPTM outlet connection

#### **Materials of Construction**

Gauges: Chrome plated brass
Body: Chrome plated forged brass
Bonnet: Chrome plated forged brass
(1st and 2nd stages)

Diaphragms: First Stage – Neoprene Second Stage – Neoprene Seats: First Stage – PTFE

Seats: First Stage – PTFE
Second Stage – PTFE

Seals: Neoprene/Teflon

**Specifications** 

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

Flow Capacity (Cv): 0.53

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

Shipping Weight: 7 lbs

Ordering Informat	tion		
Model Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
81-2-CGA	0.1-2 psig	0.1-3 psig	0-3000 psig
*Note: Some CGA limitatio	ns may apply.		
Options			
Model Number	Description		

1/4" Compression Tube Outlet Connection (Brass)

