



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.
- 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 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 Information

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 limitations may apply.

Options

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