

Models 8 and 9

Brass Two-Stage Regulators

DESCRIPTION

These brass two-stage regulators combine proven design with economical construction to provide a reliable, long lasting regulator at an affordable price. The two-stage design permits steady gas delivery pressure at high or low flows throughout the discharge of virtually an entire supply gas cylinder. These popular regulators can be found in just about any laboratory — worldwide.



APPLICATIONS

The Model 8 and 9 regulators are the ideal general purpose laboratory regulators for the control of the following grades of non-corrosive gases

- Prepurified
- High Purity
- Extra Dry
- Technical
- C.P. (non-liquefied hydrocarbon gases).

These regulators maintain desired delivery pressure accurately and simplify gas analytical work by eliminating the need to compensate for drifting gas pressure. In addition to laboratory applications, these Model 8 and 9 regulators are widely used for general plant, pilot plants, and maintenance shops for use in controlling gas pressure for instrument calibrations.

When equipped with flowmeters as shown on page 131, gas flow rate as well as pressure can be set and easily monitored.

DESIGN FEATURES

- **Porous metal filter on inlet** . . . Protects internal parts and extends useful life of regulator.
- **Pre-set safety device** . . . Prevents excessive pressure build-up in regulator second stage.
- **Stainless steel ball in adjusting screw end** . . . Allows easy and accurate setting of delivery pressure.
- **Brass body/neoprene rubber construction** . . . Excellent performance at affordable cost.

MATERIALS OF CONSTRUCTION

Body: Brass
 Diaphragm: 1st stage: 302 Stainless steel
 2nd stage: Neoprene
 Seat: 1st stage: Nylon
 2nd stage: Neoprene

SPECIFICATIONS

Maximum inlet pressure: 3000 psi (20,700 kPa)
 Operating temperature: - 20° to 140°F (- 30 to 60°C)
 Maximum flow of air through regulator equipped with outlet valve and inlet pressure 2000 psi.
 8L: 360 cfh (170 liters/min)
 8: 800 cfh (375 liters/min)
 8H: 1400 cfh (660 liters/min)
 9: 3200 cfh (1500 liters/min)
 Interstage relief pressure: Model 8: 800-1200 psi
 Model 9: 900-1300 psi
 Inlet port in body: 1/2" -27
 Outlet: 1/4" MNPT
 Dimensions, overall: Model 8: 7 1/2" w x 7 1/2" h x 7" d
 (19 x 19 x 18 cm)
 Model 9: 8" w x 7 1/2" h x 8" d
 (20 x 19 x 20 cm)
 Shipping weight: Model 8: 7 lb. (3.2 kg)
 Model 9: 8 lb. 10 oz. (3.9 kg)

MODELS & PRICES

Model	Delivery Pressure Range (psig)	Delivery Pressure Gauge (psig)	Cylinder Pressure Gauge (psig)	Price
8L (Specify CGA)	2-15	0-30	0-3000	\$165.00
8 (Specify CGA)	4-50	0-100	0-3000	165.00
8H (Specify CGA)	10-100	0-200	0-3000	165.00
9 (Specify CGA)	20-250	0-400	0-3000	216.00

OPTIONS

	Prices
Check Valve — Model 400V — (see page 171)	Add \$14.00
Cylinder Quick Coupler Inlet — (1/2" - 27)	Add 15.00
Swaglok Outlet Connection (Brass)	Add 4.40
0-4000 psig Cylinder Pressure Gauge	Add 11.00
Preset (specify pressure)	Add 10.50
Ultrasonic Cleaning	Add 25.00
Safe Venting Assembly	Add 143.00