

Model SG9090

Portable Cylinder, Preset Flow, Piston Regulators

The Model SG9090 regulator is a compact, lightweight regulator recommended for use with non-corrosive standard calibration gases filled in portable transportable cylinders having a maximum service pressure of 1000 psig. These single-stage regulators are designed to provide nominal (air equivalent) flow rates of 0.3, 0.5, 1, 1.5 or 2.5 slpm with a preset outlet pressure setting of 60 psig.

Standard Features

- Outlet Orifice and Preset Delivery Pressure provide a nominal preset gas flow rate.
- Pressure Gauge monitors cylinder pressure.
- Push Button On/Off Outlet Valve permits a quick and safe shutoff of gas flow.

Specifications

Maximum Inlet Pressure: 1000 psig
 Inlet Pressure Gauge: 0–1200 psig
 Nominal Preset Flowrate: See Table I
 Nominal Preset Delivery Pressure: 60 psig
 Gauge Size: 1 1/2" Dial

Operating Temperature Range:
 -5°F to 140°F
 Inlet Connection: C-10 male (5/8" – 18 UNF)
 Outlet Connection: 3/16" Hose Barb
 Approximate Weight: 1 lb.

Materials of Construction

Body: Nickel-Plated Brass
 Gauge: Phosphor Bronze
 Piston: Brass
 Seat: PTFE
 Seals: Viton®



SG9090 Regulator

Table I

Part No.	Nominal Flowrate (slpm)
SG9090-03	0.3
SG9090-05	0.5
SG9090-10	1.0
SG9090-15	1.5
SG9090-25	2.5

Models SG9094, SG9095

Non-Refillable Cylinder, Preset Pressure Regulators

The Models SG9094 and SG9095 regulators are compact, lightweight, single-stage regulators designed for use with Automotive Test Standards in low pressure disposable cylinders. A 5 ft. length of polyethylene tubing, attached to the outlet, is included with each regulator. Both models are factory preset to provide 5 psig delivery pressure. The Model SG9095 is supplied with a 0-300 psig inlet pressure gauge to monitor cylinder contents.

Specifications

Maximum Inlet Pressure: 300 psig
 Inlet Pressure Gauge:
 SG9094: None
 SG9095: 0–300 psig
 Delivery Pressure Range:
 Factory preset to 5 psig
 Gauge Size: 1 1/2" Dial
 Operating Temperature Range:
 -40°F to 125°F
 Inlet Connection: CGA 165
 Outlet Connection: 1/4" Flexible Tubing
 Approximate Weight:
 SG9094: 10 oz
 SG9095: 14 oz

Materials of Construction

Body: Die Cast Zinc
 Gauge: SG9095: Brass Internals with drawn steel case
 Bonnet: Plastic
 Inlet Fitting: Brass
 Seat, Seals and Diaphragm: Buna-N
 Tubing: Polyethylene

Table I

Part No.	Configuration
SG9094	Without Inlet Pressure Gauge
SG9095	With Inlet Pressure Gauge



SG9094 Regulator



SG9095 Regulator