

# Model SSG9048

## Acetylene, Atomic Adsorption Grade Regulators

This regulator is specifically designed for use with Atomic Absorption or Technical Grades of Acetylene. Although similar to our Model SSE regulator, its delivery pressure gauge features a red line warning above 15 psig to indicate unsafe delivery pressure for acetylene.

### Standard Features

- Limited Delivery Pressure Adjustment does not allow delivery pressure above 15 psig as recommended for Acetylene service.
- Neoprene Diaphragm permits accurate delivery pressure settings.
- Cartridge (Encapsulated) Seat Assembly provides for ease of maintenance and repair.
- Filter in Seat Assembly traps foreign matter, extends regulator life and reduces maintenance.
- "Red-Lined" Delivery Pressure Gauge provides visual indication should delivery pressure exceed allowable withdrawal pressure of 15 psig.
- Outlet Metering Valve provides flow control.

### Optional Features

- Acetylene Flash Arrestor prevents flashback into cylinder.

### Specifications

Maximum Inlet Pressure: 300 psig

Inlet Pressure Gauge:  
0–400 psig / 0–27 bar

Delivery Pressure Range: 2–15 psig

Delivery Pressure Gauge:  
0–30 psig red-lined above 15 psig

Filter: 10 micron

Gauge Size: 2" Dial

Operating Temp. Range: -40°F to 140°F

Flow Coefficient:

Regulator: Cv = 0.18

Outlet Valve: Cv = 0.4

Inlet Connection: CGA 510

Outlet Connection:

¼" NPT male (on outlet valve)

Supply Pressure Effect: 1 psi per 100 psi

Approximate Weight: 4 lbs.

Optional SG6545 Flash Arrestor:

Maximum Operating Pressure: 250 psig

Maximum Flow Capacity:

40 scfh acetylene

Pressure Drop: 5 psi @ 40 scfh

Connections: ¼" NPTF x ¼" NPTM

### Materials of Construction

Body: Brass Bar Stock

Outlet Valve and Gauges: Brass

Bonnet: Painted Zinc

Filter: Nickel-Plated Sintered Bronze

Other Metal Parts Exposed to Gas:

Brass and Stainless Steel

Seat and Seals: Teflon®

Diaphragm: Neoprene

Optional SG6545 Flash Arrestor:

Body and Fittings: Brass

Internal Parts Exposed to Gas:

Monel® Filter and

Fusible Powdered Metal



SSG9048 Regulator



SG6545 Optional Flash Arrestor

Table I

Part No.
SSG9048

### Optional Equipment

Equipment	Part No.
Compression Fittings* (female connectors)	
¼" NPT female x ⅛" compression	SG6723
¼" NPT female x ¼" compression	SG6724
Acetylene Flash Arrestor*	SG6545

\* If selected, these items are not installed on the regulator. They are shipped as separate items.