

SR 310, SR 311, & SR 312

Flow Meter

DESIGN/CONSTRUCTION

- Designed for CO₂ application (non-siphoned tube cylinders)
- High flow CO₂ applications (SR 310 100 psig) (SR 311/312 100 SCFH) with adequate supply or source
- Designed for core wire applications
- Machined aluminum body & housing cap
- 2" (50.8 mm) gauge
- Stem type seat mechanism
- 1.75" (44.5 mm) diaphragm - fabric reinforced neoprene
- Self reseating relief valve (not designed to protect downstream equipment)
- Sintered inlet filter - bronze

DIMENSIONS

8.38" W x 7.25" H x 2.5" D
(212.9 mm x 184.2 mm x 63.5 mm)

WEIGHT

2 lb 15 oz (1.33 kg)

PERFORMANCE

- Maximum inlet – 1500 psig
- Delivery range – 100 SCFH

A regulator equipped with a flow gauge is not accurate when a back pressure in excess of 2 psig exists at the outlet. Back pressure is caused by a restriction in the equipment downstream of the flow gauge. Metering valves, kinked hoses or even very long hoses are restrictions that can cause back pressure. In applications where back pressure in excess of 2 psig can be expected, a regulator equipped with a flow meter should be used.

WARNING: High gas withdrawal rates may cause regulator freeze up and will require cylinder manifolding. Consult your gas supplier. See below for Gas Heater.

| Gas Service | Part No. | Model No. | Flow Range | CGA Inlet Connection |
|----------------|-----------|--------------------------------------|-------------|----------------------|
| Carbon Dioxide | 0781-0355 | SR 310 Adjustable Pressure Gauge | 10-200 psig | 320 |
| | 0781-0353 | SR 311 (Preset @ 80 psig) Flow Meter | 25-100 SCFH | 320 |
| | 0781-0354 | SR 312 Flow Gauge | 0-100 SCFH | 320 |

Outlet Connections: 5/8"-18 RH(F)
Adapter: 5/8"-18(M) x 1/4" NPT(M) (Part No. 0950-0163)



SR 310



SR 311



SR 312

REGULATORS

GAS HEATER

Manufactured for either Carbon Dioxide (CO₂) or Nitrous Oxide (N₂O). These heaters operate on 110 Volts at 120 Watts (1 Amp). They are thermostatically controlled at 160°F (+5°) and rated for flows up to 160 SCFH. Rated for standard cylinder pressures up to 3000 psi.

| Part No. | Description | Weight |
|-----------|----------------------------------|------------|
| 5370-7141 | Electric CO ₂ Heater | 2 lb 0.9kg |
| 5370-7142 | Electric N ₂ O Heater | 2 lb 0.9kg |

