SR 310, SR 311 & 312 High Flow CO_2 Flowmeter / Flowgauge

APPLICATION & USES

SR 310, SR 311 & SR 312 Series

- Designed for CO_2 application (non-siphoned tube cylinders)
- High flow CO_2 applications (SR 310 100 PSIG) (SR 311/312 100 SCFH) with adequate supply or source
- Designed for core wire applications

Dimensions: 8-3/8" W x 7-1/4" H x 2-1/2" D (8.65 cm x 18.58 cm x.6.4 cm)

Weight: ..... 2 lb. 15 oz. (1.46 kg)

SR 311

UL Listed
Conforms to **CGA E-4**

DESIGN/CONSTRUCTION

- Machined body and housing cap
- 2" Gauge
- Stem type seat mechanism
- 1-3/4" Diaphragm
- Self reseating relief valve (Not designed to protect downstream apparatus)
- Sintered inlet filter

SPECIFICATIONS PERFORMANCE

Maximum Inlet .....1500 PSIG
Delivery Range.....100 SCFH

NOTE: High gas withdrawal rates may cause regulator freeze up and will require cylinder manifolding. Consult your gas supplier. See page 39, Section A for Gas Heater.

MATERIALS

Body .....Aluminum
Diaphragm.....Fabric Reinforced Neoprene
Housing Cap.....Aluminum
Inlet Filter .....Bronze

Electric Heater if needed see Section A, page 38

NOTE: 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 apparatus downstream of the flowguage. 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 flowmeter should be used.

SR 310

SR 312

ORDERING INFORMATION

GAS SERVICE	MODEL NUMBER	PART NUMBER	FLOW RANGE	SPECIFY CGA INLET CONNECTION
Carbon Dioxide	SR 310 Adjustable / Flowgauge	**0781-0355**	10 - 150 PSIG Pressure Delivery	320
Carbon Dioxide	SR 311 (Preset @ 80 PSIG) Flow Meter	**0781-0353**	25 - 100 SCFH	320
Carbon Dioxide	SR 312 Flow Gauge	**0781-0354**	0 - 100 SCFH	320

Outlet Connection: 5/8" - 18 RH (F)