

# AF 250 / CF 253 Flowgauge Regulators Single Stage

**VICTOR**<sup>®</sup>  
Professional

**5 YEAR**  
LIMITED WARRANTY

## APPLICATION & USES

### AF 250 & CF 253 Series

- Ideal for MIG / TIG applications where a flowmeter is not necessary or impractical.
- Designed for small to medium diameter MIG applications (.025 wire to .045 wire).

**Dimensions:** 6-3/8" W x 5-1/8" H x 4-1/4" D  
(16.19cm x 13.01cm x 10.79cm)

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

## DESIGN/CONSTRUCTION

- Forged brass body and housing cap
- 2" Gauges
- Stem type seat mechanism
- 1-3/4" diaphragm
- Delrin<sup>®</sup> cap bushing for smooth adjustments
- Internal self reseating relief valve not designed to protect downstream apparatus
- Sintered inlet filter
- Outlet Connection 0950-0120



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

**AF 250**

## NOTE:

- If flow is shut off or restricted downstream of the regulator, the flow gauge will show indicated flow even though there is none

## SAMPLE ORDERING INFORMATION

Model No.	CGA Inlet Connection
<b>AF 250</b>	<b>580</b>

## ORDERING INFORMATION

Gas Service	Model No.	Part No.	Flow Range	CGA Inlet Connection
Argon	AF 250-580 *	0781-0350	10-40 SCFH	580
Carbon Dioxide	CF 253-320*	0781-0351	7-35 SCFH	320

**Outlet Connection:** 5/8" - 18 (F) RH, CGA 032.

**! WARNING:** High gas withdrawal rates may cause regulator freeze up and will require cylinder manifolding. Consult your gas supplier.

**\*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 flowgauge. 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.

**Gas Heaters:** See Section A page 40, single stage, manufactured for either Carbon Dioxide (CO<sub>2</sub>) or Nitrous Oxide (N<sub>2</sub>O).