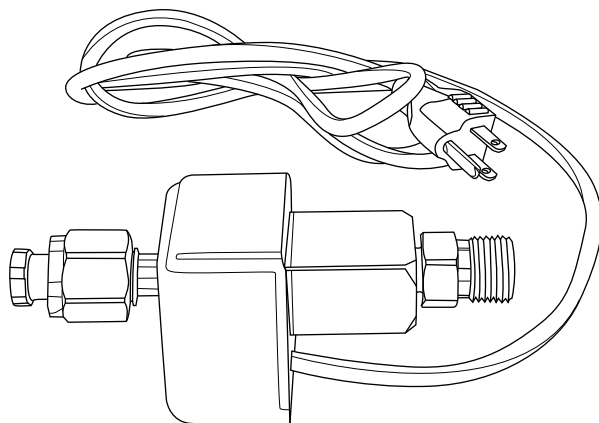


**SAMPLE ORDERING INFORMATION**

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

Gas Service	Model No.	Part No.	Flow Range (SCFH)	CGA Inlet Connection
Argon	AF 250-580	<b>0781-0350</b>	10-40	580
CO <sub>2</sub>	CF 253-320	<b>0781-0351</b>	7-35	320
<b>Outlet Connection:</b> 5/8"-18 RH(F), CGA 032				



Part No.	Description	Weight	
<b>5370-7141</b>	Electric CO <sub>2</sub> Heater	2 lb.	0.9kg
<b>5370-7142</b>	Electric N <sub>2</sub> O Heater	2 lb.	0.9kg

**AF 250 & CF 253 Series**

- Medium duty
- Ideal for MIG / TIG applications where a flowmeter is not necessary or impractical
- Designed for small to medium diameter MIG applications - 0.025" (0.6mm) to 0.045" (1.1mm) wire

**Dimensions:** .....6.38" W x 5.13" H x 4.25" D  
(162.1mm x 130.3mm x 108.0mm)

**Weight:** .....2 lb. 15 oz. (1.33kg)

**DESIGN/CONSTRUCTION**

- Forged brass body and housing cap
- 2" (50.8mm) gauges - brass
- Stem type seat mechanism
- 1.75" (44.5mm) diaphragm- fabric reinforced neoprene
- Delrin cap bushing for smooth adjustments
- Internal self reseating relief valve. Not designed to protect downstream equipment.
- Sintered inlet filter - bronze
- Outlet connection 0950-0120

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

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

A regulator equipped with a flowgauge 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 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 Chart, single stage, manufactured for either Carbon Dioxide (CO<sub>2</sub>) or Nitrous Oxide (N<sub>2</sub>O).

**Gas Heaters**

Manufactured for either Carbon Dioxide (CO<sub>2</sub>) or Nitrous Oxide (N<sub>2</sub>O). These heaters operate on 110 Volts at 120 Watts and 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.