

700 SERIES FLOWMETERS



The 700 Series single range flowmeters are intended for welding applications requiring frequent changes in gas flow and applications where a single flow scale will accommodate gas requirements. 700 Series flowmeters can operate at either a fixed flowmeter pressure of 30 PSIG (2 BAR) or from a regulator capable of supplying 0-30 PSIG (0-2 BAR). When using the gas-saver flowmeter with an adjustable pressure regulator, the user may adjust the regulator pressure while observing the flow on the flowmeter scale. CONCOA 700 Series flowmeters, engineered for ruggedness in medium flow industrial applications, significantly decrease shield gas waste during welding applications by reducing gas surge and improving flow control.

Typical Applications

- Oxyfuel Cutting, Heating, and Welding
- Plasma Cutting
- Heat Treatment
- Thermal Spray
- Modified Atmosphere Packaging (MAP)



805 0709-01-1 shown

Features

Dual Scale Flow Tube enables process flexibility

Resettable Relief Mechanism lowers maintenance costs

Non-compensated Flowmeter Model eliminates gas surge

Gas Saver Model controls gas delivery and minimizes wasted gas

Materials and Specifications

Max Inlet Pressure: 75 PSIG (5 BAR)

Body: Forged brass

Outlet Valve: Brass

Inlet Filter: 50-micron sintered bronze

Seal: Chloroprene

Temperature Range: -40 to 140° F (-40 to 60° C)

Conformances: CRN OF15806.52

Ordering Information

Part Number	Gas Service	Inlet Connection	Flow Range (SCFH)	Outlet Connection	Compensated PSIG
805 0708-01-1	General Purpose	5/8 in -18 (B) RH Ext.	05-60 Multi Gas	5/8 in -18 (B) RH Int.	30 (Straight Inlet)
805 0709-01-1	Argon/Argon Mixes	5/8 in -18 (B) RH Ext.	10-60 Ar-CO ₂ /10-70 Ar/40-200 Ar-He	5/8 in -18 (B) RH Int.	30 (Straight Inlet)
805 0720-01-1	Argon/Carbon Dioxide	5/8 in -18 (B) RH Ext.	10-60 Argon/10-55 Carbon Dioxide	5/8 in -18 (B) RH Int.	30 (Straight Inlet)
805 0721-01-1	Argon/Helium	5/8 in -18 (B) RH Ext.	10-60 Argon/30-200 Helium	5/8 in -18 (B) RH Int.	30 (Straight Inlet)
805 0725-01-1	Argon/Helium**	5/8 in -18 (B) RH Ext.	10-60 Argon/30-200 Helium	5/8 in -18 (B) RH Int.	0 (Elbow Model)
805 0727-01-1	Argon/Carbon Dioxide	1/4 in MNPT	10-60 Argon/10-55 Carbon Dioxide	5/8 in -18 (B) RH Int.	30 (Dual Flowmeters)
805 0728-01-1	Argon/Helium	1/4 in MNPT	10-60 Argon/30-200 Helium	5/8 in -18 (B) RH Int.	30 (Dual Flowmeters)

**** Gas saver model must be used with an adjustable pressure regulator**