

700 SERIES FLOWMETERS



CONCOA's 700 Series single range flowmeter is specifically intended for welding jobs requiring frequent changes in gas flow and for applications where a single flow scale will accommodate gas requirements. This medium flow industrial flowmeter is designed to operate at either a fixed flowmeter pressure of 30 PSIG or from a regulator capable of supplying 0-30 PSIG. The gas-saver flowmeter (8050725), when used with an adjustable pressure regulator, allows the user to adjust the regulator pressure while observing the flow on the flowmeter scale. Engineered for robustness, the 700 Series gas flowmeter can significantly decrease shield gas waste by reducing gas surge and improving flow control.



805 0709-01-1 shown

Typical Applications

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

Features

Dual Scale Flow Tube enables process flexibility

Resettable Relief Mechanism lowers maintenance costs

Non-compensated Gas Saver Flowmeter (805 0725) controls gas delivery and minimizes waste

Materials and Specifications

Max Inlet Pressure: 75 PSIG (5 BAR)

Body: Brass

Outlet Valve: Brass

Outlet Connection: 5/8 in -18 (B) RH Int.

Inlet Filter: 5-10 micron sintered bronze

Seals: Chloroprene

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

Conformances: CRN OF15806.52

Ordering Information

Part Number	Description	Flow Range (SCFH)
805 0709-01-1	Argon/CO ₂ ; Argon; Argon/Helium Flowmeter; 5/8 in -18 (B) RH Ext.	10-60 Ar/CO ₂ ; 10-70 Ar; 40-200 Ar/He @ 30 PSIG Compensation (straight Inlet)
805 0720-01-1	Argon/CO ₂ Flowmeter; 5/8 in -18 (B) RH Ext.	10-60 Ar/10-55 CO ₂ @ 30 PSIG Compensation (straight Inlet)
805 0721-01-1	Argon/Helium Flowmeter; 5/8 in -18 (B) RH Ext.	10-60 Ar/30-200 He @ 30 PSIG Compensation (straight Inlet)
805 0725-01-1*	Argon/Helium Gas Saver Flowmeter; 5/8 in -18 (B) RH Ext.	10-60 Ar/30-200 He, No Pressure Compensation (elbow model)
805 0727-01-1	Argon/CO ₂ Dual Flowmeter; 1/4 in MNPT	10-60 Ar/10-55 CO ₂ @ 30 PSIG Compensation
805 0728-01-1	Argon/Helium Dual Flowmeter; 1/4 in MNPT	10-60 Ar/30-200 He @ 30 PSIG Compensation

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