

# Flowmeters



## High Flow Welding and Blanketing

| Gas Service                          | Stock Number | Low Flow Scale CFH | High Flow Scale CFH | Inlet Connection    | Outlet Connection   |
|--------------------------------------|--------------|--------------------|---------------------|---------------------|---------------------|
| Helium                               | 805-1600     | 0.5-37             | 30-200              | 5/8"-18 "B" RH Ext. | 5/8"-18 RH Int.     |
| Argon                                | 805-1601     | 1.0-24             | 22-198              | 5/8"-18 "B" RH Ext. | 5/8"-18 RH Int.     |
| Oxygen                               | 805-1602     | 0.1-4.5            | 3.5-20              | 9/16"-18 RH Int.    | 9/16"-18 RH Ext.    |
| Nitrogen                             | 805-1603     | 1.0-29             | 27-245              | 5/8"-18 "B" RH Ext. | 5/8"-18 RH Int.     |
| Hydrogen                             | 805-1604     | 2.0-52             | 40-300              | 9/16"-18"18-LH Int. | 9/16"-18 LH Ext.    |
| CO <sub>2</sub>                      | 805-1605     | 1.0-24             | 23-150              | 5/8"-18 "B" RH Ext. | 5/8"-18 "B" RH Ext. |
| General Purpose Dual Range Flowmeter |              |                    |                     |                     |                     |
| Hydrogen                             | 805-1606     | 3.0-23             | 32-192              | 5/8"-18 "B" RH Ext. | 5/8"-18 "B" RH Ext. |
| Helium                               |              | 2.5-70             | 65-525              |                     |                     |
| Nitrogen                             |              | 2.0-28             | 35-220              |                     |                     |
| CO <sub>2</sub>                      |              | 2.0-24             | 26-176              |                     |                     |
| AG75                                 |              | 1.5-37             | 45-290              |                     |                     |

1600 Series



805-1600 Shown

### Features

- Dual Range Flow Adjustment\*  
*Enables precise gas metering*
- Gas Specific Scale\*  
*Delivers greater accuracy*
- Articulating Inlet Connection  
*Installation flexibility*

\* Except for 805-1606

### Materials

- Forged Aluminum Body
- Buna-N O-Ring Seals
- 25 Micron Bronze Filter

### Specifications

- Compensated @ 30 psi
- -40 to 140°F (-40 to 60°C)

## Medium Flow Welding and Blanketing

| Gas Service           | Stock Number | Inlet Connection | Flow Range                     | Outlet Connection | Compensated PSIG     |
|-----------------------|--------------|------------------|--------------------------------|-------------------|----------------------|
| Argon/CO <sub>2</sub> | 805-0720     | 5/8"-18 RH Ext.  | 10-60 Ar/10-55 CO <sub>2</sub> | 5/8"-18 RH Ext.   | 30 (Straight Inlet)  |
| Argon/Helium          | 805-0721     | 5/8"-18 RH Ext.  | 10-60 Ar/30-200 He             | 5/8"-18 RH Ext.   | 30 (Straight Inlet)  |
| Argon/Helium          | 805-0725     | 5/8"-18 RH Ext.  | 10-60 Ar/30-200 He             | 5/8"-18 RH Ext.   | 0 (Elbow Model)      |
| Argon/CO <sub>2</sub> | 805-0727     | 1/4" NPT (M)     | 10-60 Ar/10-55 CO <sub>2</sub> | 5/8"-18 RH Ext.   | 30 (Dual Flowmeters) |
| Argon/Helium          | 805-0728     | 1/4" NPT (M)     | 10-60/30-200 He                | 5/8"-18 RH Ext.   | 30 (Dual Flowmeters) |

700 Series



805-0725 Shown

### Features

- Dual Scale Flow Tube  
*Enables process flexibility*
- Non-compensated Flowmeter Model  
*Eliminates Gas Surge*
- Resettable Relief Mechanism  
*Lowers maintenance costs*

\* On all except 805-0725

### Materials

- Brass Bar Stock Body
- Neoprene® O-Ring Seals
- 25 Micron Bronze Filter\*

### Specifications

- Compensated @ 30/0 psi
- -40 to 140°F (-40 to 60°C)
- 50 PSI Max Inlet Pressure