

# Medium-Duty Flowmeters and Flowmeter Regulators

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Gas Equipment 

## Quick Specs

### Applications

Welding services  
Light fabrication  
Manufacturing  
Shipbuilding

### Processes

MIG (GMAW)  
TIG (GTAW)

### Gas Service

Argon, argon/CO<sub>2</sub> mix, CO<sub>2</sub> and helium

**Flow Range** 0–160 scfh (0–78 lpm)

**Preset Delivery Pressure** 50 psig (3 bar)

**Max. Inlet Pressure** 3,000 psig (207 bar)

**Outlet Connection** 5/8"-18 RH internal

**CGA Inlet Connection** 580

**Temperature Range** -20°–+140°F (-29°–+60°C)

**Country of Origin** USA

Accurate shielding for best weld quality and gas savings.

**SMITH**  
EQUIPMENT

**Shatter-resistant triple-scale flow tube** made of shatter-resistant polycarbonate resin can be rotated to position desired scale for easy reading. Scaled for CO<sub>2</sub>, argon and argon/CO<sub>2</sub> mix, and helium.

**Built-in rupture disc** reduces possibility of flow tube damage due to inadvertent high-pressure surge. Disc is user-replaceable if ruptured — not auto-resetting.

**Dual filters** protect high-pressure seat from debris for reliable operation and long service life.

**Precision flow-adjustment valve** allows easy adjustment to desired setting.

**Easy-to-read 1.5-inch gauge** with shatter-resistant polycarbonate lens cover.

H2051B-580

**TRUE BLUE**  
3YR. WARRANTY

Warrantied for three years, parts and labor.



Underwriters Laboratories (UL) Listed



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### MillerWelds.com



# Materials of Construction



H2051B-580



23-50-580



H2230A

### Medium-duty single-stage flowmeter regulators

- Body: brass
- Diaphragm: brass piston
- Tailpiece filter: 35-micron bronze
- Springs: music wire
- Seat: PTFE
- Seat filter: 150-micron bronze
- Seals and o-rings: Buna-N
- Flow tube: polycarbonate
- Ball float: glass
- Safety: polyethylene rupture disc
- Other wetted components: brass
- Net weight: 1.95 lb. (0.88 kg)

### Medium-duty single-stage dual flowmeter regulator

- Regulator body: aluminum
- Bonnet: nylon
- Diaphragm: neoprene
- Tailpiece filter: 35-micron bronze
- Springs: stainless steel, music wire,
- Safety seat: EPDM
- Regulator seat: PTFE
- Seat filter: 25-micron nickel-plated bronze
- Seat retainer o-ring: FKM
- Seals and o-rings: Buna-N
- Other wetted components: brass
- See third column for flowmeter components
- Net weight: 3.75 lb. (1.7 kg)

### Medium-duty flowmeters

- Body: brass
- Seals and o-rings: Buna-N
- Flow tube: polycarbonate
- Ball float: glass
- Safety: polyethylene rupture disc
- Other wetted components: brass
- Net weight: 1.15 lb. (0.52 kg)



Install flowmeter to regulator or pipeline. **Do not connect directly to gas cylinder.**

# Ordering Information

Stock No.	Gas Service	Flow Range	Preset Delivery Pressure	Max. Inlet Pressure	Outlet Connection	Inlet Connection
<b>Medium-Duty Single-Stage Flowmeter Regulators</b>						
H2051B-580 H2051B-580H*	Argon, argon/CO <sub>2</sub>	0–60 scfh (0–28 lpm)	50 psig (3 bar)	3,000 psig (207 bar)	5/8"-18 RH internal	CGA 580
	CO <sub>2</sub>	0–50 scfh (0–24 lpm)				
	Helium	0–160 scfh (0–78 lpm)				
<b>Medium-Duty Single-Stage Dual Flowmeter Regulator</b>						
23-50-580	Argon, argon/CO <sub>2</sub>	0–60 scfh (0–28 lpm)	50 psig (3 bar)	3,000 psig (207 bar)	5/8"-18 RH internal	CGA 580
	CO <sub>2</sub>	0–50 scfh (0–24 lpm)				
	Helium	0–160 scfh (0–78 lpm)				
<b>Medium-Duty Flowmeters</b>						
H2230A H2231A	Argon, argon/CO <sub>2</sub>	0–60 scfh (0–28 lpm)	—	50 psig (3 bar)	5/8"-18 RH internal	H2230A:
	CO <sub>2</sub>	0–50 scfh (0–24 lpm)				1/4" NPT male
	Helium	0–160 scfh (0–78 lpm)				H2231A:
						5/8"-18 RH external

\*Includes 6-foot x 1/4-inch inert hose and fittings.  
Note: When using argon/CO<sub>2</sub> mix, read argon scale.

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