Medium-Duty Flowmeters and Flowmeter Regulators

Gas Equipment

Quick Specs

Applications
Welding services
Light fabrication
Manufacturing
Shipbuilding

Processes

MIG (GMAW) TIG (GTAW)

Gas Service

Argon, argon/CO2 mix, CO2 and helium

Flow Range 0–160 scfh (0–78 lpm)

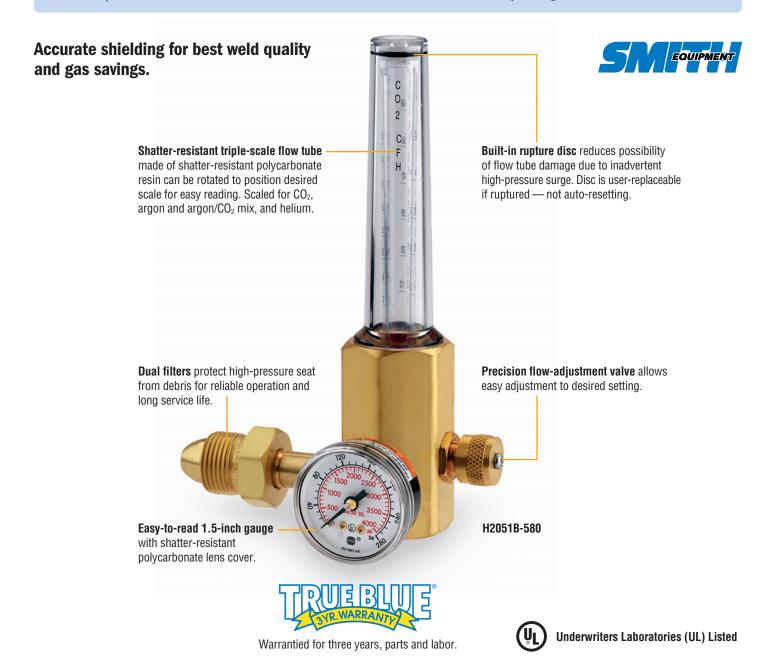
Preset Delivery Pressure 50 psig (3 bar) **Max. Inlet Pressure** 3,000 psig (207 bar)

Outlet Connection 5/8"-18 RH internal

CGA Inlet Connection 580

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

Country of Origin USA





Miller Electric Mfg. LLC

An ITW Welding Company 1635 West Spencer Street P.O. Box 1079 Appleton, WI 54912-1079 USA **Equipment Sales US and Canada**

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International Phone: 920-735-4554 International FAX: 920-735-4125







Materials of Construction



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
Medium-Duty Single-Stage Flowmeter Regulators						
H2051B-580 H2051B-580H*	Argon, argon/CO ₂	0-60 scfh (0-28 lpm)	50 psig (3 bar)	3,000 psig (207 bar)	5/8"-18 RH internal	CGA 580
	CO ₂	0-50 scfh (0-24 lpm)				
	Helium	0-160 scfh (0-78 lpm)				
Medium-Duty Single-Stage Dual Flowmeter Regulator						
23-50-580	Argon, argon/CO ₂	0-60 scfh (0-28 lpm)	50 psig (3 bar)	3,000 psig (207 bar)	5/8"-18 RH internal	CGA 580
	CO ₂	0-50 scfh (0-24 lpm)				
	Helium	0-160 scfh (0-78 lpm)				
Medium-Duty Flowmeters						
H2230A H2231A	Argon, argon/CO ₂	0-60 scfh (0-28 lpm)	_	50 psig (3 bar)	5/8"-18 RH internal	H2230A:
	CO ₂	0-50 scfh (0-24 lpm)				1/4" NPT male H2231A: 5/8"-18 RH external
	Helium	0-160 scfh (0-78 lpm)				

^{*}Includes 6-foot x 1/4-inch inert hose and fittings. Note: When using $argon/CO_2$ mix, read argon scale.

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