Heavy-Duty Flowmeters and Flowmeter Regulators

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Quick Specs

Heavy fabrication Manufacturing Shipbuilding **Processes** MIG (GMAW) TIG (GTAW)

**Applications** 

Welding services

## **Gas Service**

Argon, argon/CO<sub>2</sub> mix, CO<sub>2</sub> and helium **Flow Range** 10–160 scfh (5–76 lpm)

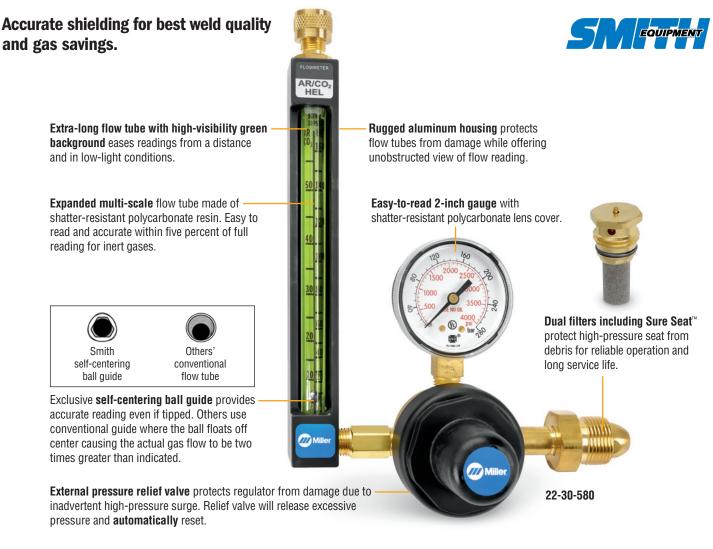
Preset Delivery Pressure 22-30 and 35-30 models: 30 psig (2 bar) 22-80 models: 80 psig (6 bar) Max. Inlet Pressure (Flowmeter Regulators) 3,000 psig (207 bar) Recommended Inlet Pressure (Flowmeters) Up to 80 psig (6 bar)

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

CGA Inlet Connection 580 or 320

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

Country of Origin USA





Warrantied for three years, parts and labor.



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**

Phone: 866-931-9730 FAX: 800-637-2315 International Phone: 920-735-4554 International FAX: 920-735-4125 MillerWelds.com

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**Underwriters Laboratories (UL) Listed** 



# **Materials of Construction**



## Heavy-duty single-stage flowmeter regulators

- Body: aluminum
- Bonnet: nylon
- Diaphragm: neoprene
- Tailpiece filter: 35-micron bronze
- Springs: stainless steel, music wire
- · Safety seat: EPDM
- Seat: PTFE
- Seat filter: 25-micron nickel-plated bronze
- Seat retainer o-ring: FKM
- Other wetted components: brass
- · See third column for flowmeter components
- Net weight: 2.15 lb. (0.98 kg)



### Heavy-duty two-stage flowmeter regulator

- Body: brass
- Bonnet: nickel-plated zinc diecast
- Diaphragm: neoprene
- Springs: stainless steel, music wire
- Safety seat: EPDM
- Seat: PTFE
- Seat filter: 25-micron nickel-plated bronze
- Seat retainer o-ring: FKM
- Heat exchanger tube: copper
- Other wetted components: brass
- See third column for flowmeter components
- Net weight: 5.2 lb. (2.36 kg)



16531

### Heavy-duty flowmeters

- Housing: aluminum
- Seals and o-rings: Buna-N
- Flow tube: polycarbonate
- Ball float: stainless steel
- Other wetted components: brass
- Net weight: 0.75 lb. (0.34 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	Recommended Inlet Pressure	Outlet Connection	Inlet Connection
Heavy-Duty Sir	igle-Stage Flov	vmeter Regulators		•	•		
22-80-580 22-80-580-6*	Argon/CO <sub>2</sub>	10-80 scfh (5-38 lpm)	80 psig (6 bar)	3,000 psig (207 bar)	-	5/8"-18 RH internal	CGA 580
22-80-320 22-80-320-6*	CO <sub>2</sub>	10-80 scfh (5-38 lpm)	80 psig (6 bar)	3,000 psig (207 bar)	—	5/8"-18 RH internal	CGA 320
22-30-580 22-30-580-6*	Argon/CO <sub>2</sub>	10–55 scfh (5–26 lpm)	30 psig (2 bar)	3,000 psig (207 bar)	—	5/8"-18 RH internal	CGA 580
	Helium	10–160 scfh (5–76 lpm)					
Heavy-Duty Tw	o-Stage Flowm	eter Regulator			·		
35-30-320	CO2	10–55 scfh (5–26 lpm)	30 psig (2 bar)	3,000 psig (207 bar)	—	5/8"-18 RH internal	CGA 320
Heavy-Duty Flo	wmeters						•
16530	Argon/CO <sub>2</sub>	10-80 scfh (5-38 lpm)		_	80 psig (6 bar)	5/8"-18 RH internal	1/4" NPT female
16531	Argon/CO <sub>2</sub>	10–55 scfh (5–26 lpm)	—	—	30 psig (2 bar)	5/8"-18 RH internal	1/4" NPT female
	Helium	10-160 scfh (5-76 lpm)					

\*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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