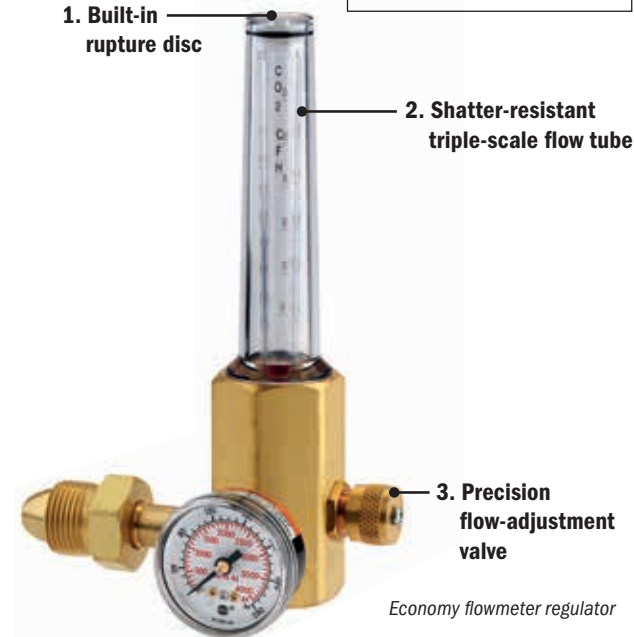


Flowmeter Regulators



Read center of ball on all Miller | Smith flowmeters



Our flowmeter regulators are 100-percent tested and inspected, and provide unmatched gas control and accuracy.

Flowmeter regulators are available in multiple scales for use with all major shielding gases to cover most MIG or TIG welding applications. Our premium flowmeter regulators feature an exclusive self-centering ball guide which provides accurate readings even if tipped. This ensures optimum weld quality and gas savings. Others use a non-self-centering flow tube ball that tends to float off center causing actual gas flow to be over two times greater than indicated.

Miller | Smith self-centering ball guide



Others



Regulators are covered by our 3-year limited warranty.

Premium flowmeter regulator construction features

- 1 Protective housing**
Flow tubes are protected from accidental damage while offering unobstructed view of flow reading.
- 2 Extra-long flow tube**
Expanded scales are easy to read and accurate within five percent of full reading. Can be attached to regulators or pipeline installations.
- 3 Shatter-resistant multi-scale flow tube**
Tubes are made of shatter-resistant polycarbonate resin and feature multiple scales.
- 4 Sure Seat™ filtered high-pressure seat assembly**
Protects high-pressure seat from debris for reliable operation and long service life.
- 5 Auto-reset pressure-relief valve**
Protects regulator from damage due to inadvertent high-pressure surge. Relief valve will release excessive pressure and automatically reset.

Selec-O-Gas™ flowmeter regulator (option)

Four separate, easy-to-read scales for argon and argon/CO₂ mix, CO₂, helium and a general scale for other non-corrosive gases. Rotate outer tube to desired scale.

Economy flowmeter regulator construction features

- 1 Shatter-resistant triple-scale flow tube**
Tubes are made of shatter-resistant polycarbonate resin and can be rotated to position desired scale for easy reading. Scaled for CO₂, argon and argon/CO₂ mix, and helium.
- 2 Built-in rupture disc**
Reduces possibility of flow tube damage due to inadvertent high-pressure surge. Must be replaced if ruptured – not auto-resetting.
- 3 Precision flow-adjustment valve**
Allows easy adjustment to desired setting.

Flow data may be obtained from MillerWelds.com/flowdata

Stock Number Definition

(Example: 32-80-580)

- 32 Series
- 80 Maximum outlet pressure
- 580 Cylinder CGA connection



Premium Flowmeter Regulators

Series 30™



Rugged medium-duty industrial-grade regulators provide efficient and accurate regulation, and include our exclusive self-centering flowball. They are constructed with our exclusive Sure Seat™ filtered seat technology for extended seat and regulator life. Filtered seats prevent contamination from entering the seating area, reducing repair costs and downtime. Filtered seats also reduce CO₂ freeze-up. Provides high argon flow capacity up to 80 SCFH.

Stock Number*	Flowmeter	Gas	Flow Range	Preset Delivery Pressure	Inlet Connection	Outlet Connection	Max Inlet Pressure
32-80-580	H1105	Argon, CO ₂	10-80 SCFH 5-38 LPM	80 PSIG 6 Bar	CGA 580	5/8"-18 RH Internal	3000 PSIG 207 Bar
32-80-320		CO ₂			CGA 320		
32-30-580 Selec-O-Gas**	H1240	Argon, CO ₂	10-60 SCFH 5-28 LPM	30 PSIG 2 Bar	CGA 580	5/8"-18 RH Internal	3000 PSIG 207 Bar
		Helium	20-190 SCFH 10-90 LPM				
		General/ Any Gas	0-10 Range Scale				
35-30-320	H1240	CO ₂	10-80 SCFH 5-38 LPM	30 PSIG 2 Bar	CGA 320	5/8"-18 RH Internal	3000 PSIG 207 Bar

*Add "-6" to end of part number to include 6-ft. x 1/4-inch inert gas hose.

**Selec-O-Gas™ regulator does the job of more than three common flowmeters. Features four separate scales: argon, CO₂, helium and general gas which allows the use of several different non-corrosive gases.

Note: When using argon/CO₂ mix, read argon scale.

Economy Flowmeter Regulators (Single-Stage)



H2051 Series



Exceptional value and compact design. Provides precise shielding gas regulation for MIG and TIG welding applications and more. Shatter-resistant polycarbonate flow tube is repositionable for easy reading and features triple-scale for argon, helium and argon/CO₂. It has a packless o-ring flow tube seal which reduces maintenance and a built-in rupture disc reduces possibility of flow tube damage due to high-pressure inlet surge. Precision flow-adjustment valve allows easy adjustment to desired setting.

Stock Number	Gas (3 Scales)	Flow Range	Preset Delivery Pressure	Inlet Connection	Outlet Connection	Max Inlet Pressure
H2051B-580	CO ₂	0-50 SCFH 0-24 LPM	50 PSIG 3 Bar	CGA 580	5/8"-18 RH Internal	3000 PSIG 207 Bar
H2051B-580H*		Helium				
H2051B-B9 British fitting	Argon, Argon/CO ₂ Mix	0-60 SCFH 0-28 LPM		G5/8"A-14 RH British fitting on H2051A-B9		

* Includes 6-ft. (1.8 m) hose with inert hose fittings.

Note: When using argon/CO₂ mix, read argon scale.

Dual Flowmeter Regulator (Single-Stage)



Series 30™



Dual flowmeter regulator has a back-pressure compensated flow tube with shatter-resistant polycarbonate cover. It is repositionable for easy reading and features triple scale for argon, helium and argon/CO₂. Features include sensitive needle valve for fine adjustment and a 2-inch (51 mm) gauge.

Stock Number	Flowmeter	Gas (3 Scales)	Flow Range	Preset Delivery Pressure	Inlet Connection	Outlet Connection	Max Inlet Pressure
33A-50-580	H2230A	CO ₂	0-50 SCFH 0-24 LPM	50 PSIG 3 Bar	CGA 580	5/8"-18 RH Internal	3000 PSIG 207 Bar
		Helium	0-160 SCFH 0-78 LPM				
		Argon, Argon/CO ₂ Mix	0-60 SCFH 0-28 LPM				

Note: When using argon/CO₂ mix, read argon scale.

Flowmeters



Premium Heavy-Duty



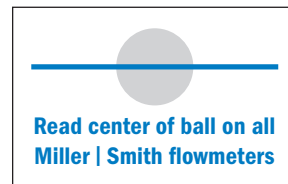
Premium flowmeter models are designed to operate at inlet pressures of 80 PSIG (model H1105) and 30 PSIG (Selec-O-Gas model H1240). They can be attached to regulators or pipeline installations. Features include an extra-long flow tube made of shatter-resistant polycarbonate resin that is accurate to within five percent of the full scale reading. Flow tubes have a unique ball guide which centers the ball in the tube and keeps it centered (competitors use a ball floating in a non-centering tube which allows the ball to float off-center resulting in greater flows than the reading indicates). Our exclusive Selec-O-Gas™ flow tube has separate scales for argon, CO₂, helium and general non-corrosive gas. Just rotate the outer tube to the scale you desire.

	Stock Number	Tube Number	Gas	Flow Range	Inlet Connection	Outlet Connection	Recommended Inlet Pressure
Heavy-Duty Flowmeters	H1105*	13220	Argon, CO ₂	0-80 SCFH 0-38 LPM	1/4" NPT Male	5/8"-18 RH Internal	80 PSIG 6 Bar
	H1240 Selec-O-Gas*	14254	Argon, CO ₂ , Helium, General	10-80 SCFH 5-38 LPM	1/4" NPT Male	5/8"-18 RH Internal	30 PSIG 2 Bar
Standard-Duty Flowmeters	H2230A Multi-Scale	N/A	CO ₂	0-50 SCFH 0-24 LPM	1/4" NPT Male on H2230	5/8"-18 RH Internal	50 PSIG 3 Bar
	H2231A Multi-Scale		Helium	0-160 SCFH 0-78 LPM	5/8"-18 RH External on H2231		
			Argon, Argon/CO ₂ Mix	0-60 SCFH 0-28 LPM			

Standard-Duty



*H1105 supersedes H1103; H1240 supersedes H1230E.
Note: When using argon/CO₂ mix, read argon scale.



CAUTION: Do not connect flowmeters directly to gas cylinder.

Regulators

Single-Stage Flow Gauge Regulators



Series 30™

Single-stage flow gauge regulators are compact and feature a forged brass body with 2-inch diameter gauges and a self-reseating pressure relief valve. They also include a Sure Seat™ protective inlet filter and a durable neoprene-composite diaphragm.



Stock Number	Gas	Flow Range	Gauges (2 inch/51 mm)		Inlet Connection	Outlet Connection	Max Inlet Pressure
			Inlet	Outlet			
31-50-580	Argon	10-50 SCFH	0-4000 PSIG	10-50 SCFH	CGA 580	5/8"-18 RH Internal	3000 PSIG 207 Bar
31-50-580-6*					CGA 320		
31-50-320	CO ₂				CGA 320		
31-50-9 British fitting	Argon				G5/8"A-14 RH British fitting		

*Comes with 6-ft. x 1/4-inch inert gas hose.