

FLOWMETER REGULATORS



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Flowmeter Regulators CEF & DEF Series

- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2" gauge
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Calibrated to 50PSI outlet pressure at 70°F
- Porous metal inlet filter (except CO2 models)
- Pressure relief device for low pressure gauge protection only
- UL Listed



MEDIUM DUTY

CEF Series



DUAL FLOWMETER DEF14

Designed for production and maintenance applications where stainless steel, aluminum pipe or closed vessels are Mig or Tig welded where shielding gas and purging gas are simultaneously required.

Maximum Inlet 3000PSIG

Dimensions: Depth 2-1/4", Width 7-1/2", Height 7", Weight 3-1/2lb

Order No.	Price Ea	CGA Inlet	Outlet Connection	Gas Used	Flow Capacity SCFH
Flowmeter Regulators Single Gas Calibration – Medium Duty					
CEF13	\$135.75	320	5/8"-18 RH (F)	CO ₂	10-80
CEF14	\$135.75	580	5/8"-18 RH (F)	ARGON	10-70
DEF14	\$285.00	580	5/8"-18 RH (F)	ARGON	10-70 Ar / 25-205 He
Complete MIG Kits – Single Gas Calibration – Includes 6' Hose w/fittings:					
KF13	\$151.35	(1) CEF13, (1) 90190-6 Hose with 5/8"-18 RH (M) Fitting both ends			
KF14	\$151.35	(1) CEF14, (1) 90190-6 Hose with 5/8"-18 RH (M) Fitting both ends			

MEDIUM DUTY FR Series



Flowmeter Regulators FR Series

- Combination regulator and flowmeter - as one unit
- Machined brass body
- Piston activated
- Calibrated to 50PSI outlet pressure at 700F
- Easy-to-read single scale 1-1/2" gauges
- Pressure relief device for low pressure gauge protection only



Maximum Inlet 3000PSIG

Dimensions: Depth 3-1/4", Width 5-1/4", Height 6-1/4", Weight 1-1/2 lb

INERT HOSE – MIG or TIG

5/8"-18 RH (M) Fitting both ends

Order No.	Price Ea	Length
90190-6	\$19.95	6 ft.
90190-10	\$21.95	10 ft.
90190-25	\$31.95	25 ft.
90190-50	\$49.50	50 ft.

Order No.	Price Ea	CGA Inlet	Outlet Connection	Gas Used	Flow Capacity SCFH
Flowmeter Regulators Single Gas Calibration – Medium Duty					
FR13	\$125.00	320	5/8"-18 RH (F)	CO ₂	10-80
FR14	\$125.00	580	5/8"-18 RH (F)	ARGON	10-70



Made in the USA and backed by a 3-year limited warranty

30 SERIES FLOWMETER REGULATOR SINGLE

Compact, economical single-stage flowmeter regulators provide efficient and accurate regulation. Has many features found in more expensive regulators: sensitive rubber diaphragm, double filters, rugged, corrosion resistant solid brass bonnet and polished brass gauge. Flowmeter Tube has a unique ball guide that centers the ball float in the flow tube and keeps it centered. Other tubes must stand absolutely perpendicular to assure flow accuracy. Without Smith's exclusive self-centering flow tube the ball may float off center and the actual gas flow can be up to 2-1/2 times greater than is indicated.

Flow Limiting Knob

Knob has a special device to lock flow at desired setting, saving gas and ensuring flow requirements.

Extra Long Flow Tube

Expanded scales are easy to read and accurate within 3% of full reading. Can be attached to regulators or pipeline installations.

Unique Self-Centering Ball Guide

Exclusive self-centering design retains ball in the center of gas flow for accuracy and savings.

Protective Housing

Flow tubes are protected from accidental damage on three sides while offering unobstructed view of flow reading.

Scale Selection

Various scales available to match end use.

Single Stage Flowmeter Regulators

Provides unmatched performance in their class for efficient and accurate regulation. 1900 Series are equipped with Lexan™ shatter resistant flow tubes.

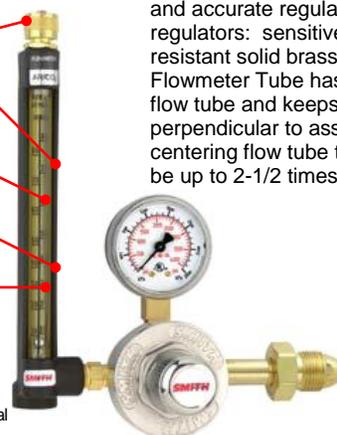
Selec-O-Gas™ Flowmeter Regulators

Four separate, easy-to-read scales for Argon, CO₂, Helium and General use. The general scale can be used for any non-corrosive gas.

Single Stage Flow Gauge Regulators

Accurate alternatives to the more expensive flowmeter regulators with easy-to-read 2" gauges for adjustment in cubic feet per hour. Precision machined flow orifice with accuracy of gas flow.

2-STAGE MODELS AVAILABLE, CALL.



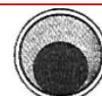
PYREX FLOW TUBE WARNING: Do not pressurize above 200 PSIG. Do not use when glass inner tube is scratched, nicked, or cracked.

Tube strength can be weakened through long normal wear. Glass strength is reduced when struck by hard objects. Flowmeter tubes should be periodically inspected for signs of wear, scratches, nicks, and cracks. Replace any damaged or suspect tubes. A tube that ruptures when pressurized will spray sharp glass particles that may cause severe personal injury to anyone in the area.

SMITH'S EXCLUSIVE SELF-CENTERING BALL FLOW TUBE vs OTHERS



Smith's exclusive ball-centering flow tube provides accurate flow readings even if the tube is tipped. This ensures good weld quality and gas savings.



OTHERS: Non self-centering flow tube ball tends to float off center. Actual gas flow can be up to 2 1/2 times greater than is indicated.

Order No.	Price Ea.	Gas Used	Flow Range	Preset Del. Pressure	Includes Flowmeter	Inlet Connection	Outlet Connection	Maximum Inlet Pressure
32-80-580	\$188.20	Argon/ CO ₂	0-80 SCFH	80 PSIG	H1103E	CGA 580	5/8" - 18 RH Internal	3000 PSIG
32-80-320	\$188.20	CO ₂	0-80 SCFH					
* 32-30-580 Selec-O-Gas™	\$205.99	Argon/CO ₂	0-60 SCFH	30 PSIG	H1230E	CGA 580		
		Helium	0-190 SCFH					
		General/Any Gas	0-10 SCFH					