

## Flowmeter Regulator



### SMITH'S EXCLUSIVE SELF-CENTERING BALL FLOW TUBE

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.



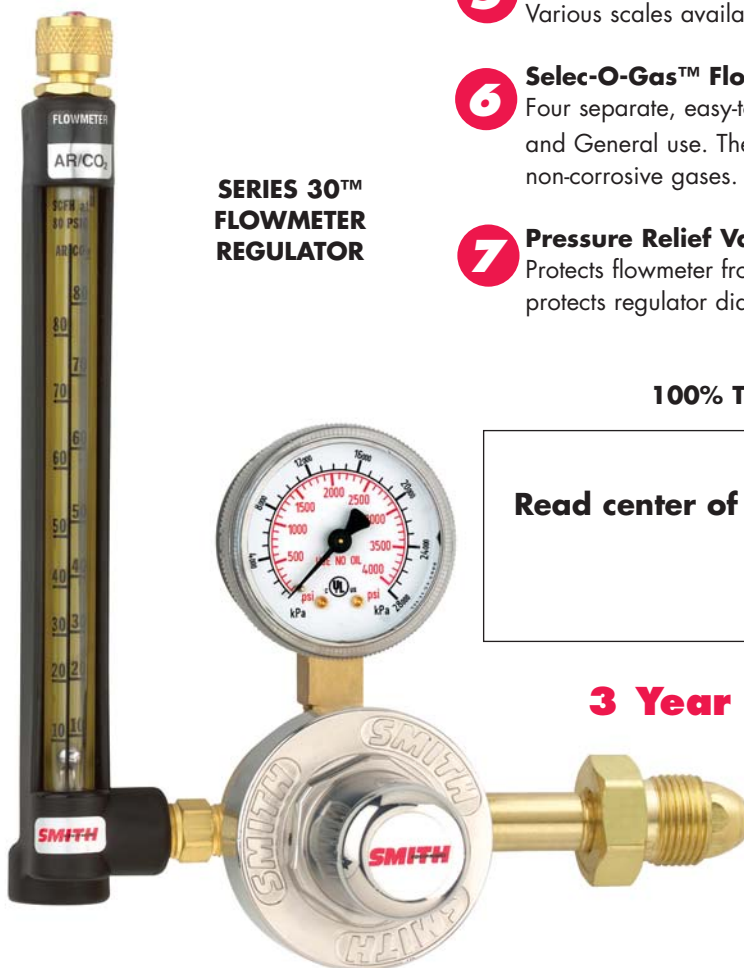
### OTHERS

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.

### FEATURE BENEFITS

- 1 Unique Self-Centering Ball Guide**  
Exclusive self-centering design retains ball in the center of gas flow for accuracy and savings.
- 2 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.
- 3 Protective Housing**  
Flow tubes are protected from accidental damage on three sides while offering unobstructed view of flow reading.
- 4 Single Stage Flowmeter Regulators**  
Provides unmatched performance in their class for efficient and accurate regulation. Series 30™ is equipped with Lexan™ shatter resistant flow tubes.
- 5 Scale Selection**  
Various scales available for a variety of applications.
- 6 Selec-O-Gas™ Flowmeter Regulators**  
Four separate, easy-to-read scales for Argon, CO<sub>2</sub>, Helium and General use. The general scale can be used for most non-corrosive gases.
- 7 Pressure Relief Valve**  
Protects flowmeter from damage due to inlet pressure surges and protects regulator diaphragm from bursting.

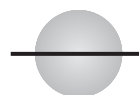
Regulators  
Flowmeters



**SERIES 30™  
FLOWMETER  
REGULATOR**

**100% TESTED AND INSPECTED**

**NOTE:**  
Read center of ball on all Smith Flowmeters



**3 Year Limited Warranty**

**Safety • Performance • Durability**

## Flowmeter Regulators

### SERIES 30™ PREMIUM SINGLE STAGE FLOWMETER REGULATORS

Rugged medium duty industrial grade regulators provide efficient and accurate regulation, also includes self-centering flowball. Has many features found in more expensive flowmeter regulators. Contains Smith's exclusive Sure Seat™ filtered seat technology for extended seat and regulator life. Filtered seat prevents contamination from entering the seating area reducing repair costs and down-time. Filtered seat also reduces CO<sub>2</sub> freeze-up. Regulators are manufactured with a rugged forged body with bright nickel-plated bonnet. Made in the USA and backed by a 3 year limited warranty.



### Series 30™ Single Stage Flowmeter Regulators

Regulators  
Flowmeters

Stock No.	Gas Used	Flow Range	Preset Delivery Pressure	Flowmeter	Inlet Connection	Outlet Connection	Maximum Inlet Pressure
<b>32-80-580</b>	Argon/CO <sub>2</sub>	0-80 SCFH	80 PSIG	H1105	CGA 580	5/8" - 18 RH Internal	3000 PSIG 207 Bar
<b>32-80-320</b>	CO <sub>2</sub>	0-38 LPM	6 Bar		CGA 320		
<b>32-30-580 Selec-O-Gas™</b>	Argon/CO <sub>2</sub>	0-60 SCFH 0-28 LPM	30 PSIG 2 Bar	H1240	CGA 580		
	Helium	0-190 SCFH 0-90 LPM					
	General/ Any Gas	0-10 Range Scale					

**Flow Data & Cross Reference to old model numbers available on Smith Website under Tech & Safety Info.**  
[smithequipment.com](http://smithequipment.com)

**NOTE:** Add (-6) to end of part number to include 6' X 1/4" Inert gas hose.

\* **SELEC-O-GAS™ Regulator** Does the jobs of more than 3 common flowmeters.

Has 3 separate scales: ARGON/CO<sub>2</sub>, HELIUM & GENERAL GAS.

### 3 Year Limited Warranty

### H2051 SINGLE STAGE FLOWMETER REGULATOR

Exceptional value and compact design, provides precise shield gas regulation for MIG and TIG welding applications and more. Shatter resistant polycarbonate flow tube features triple scale for Argon, Helium and Argon/CO<sub>2</sub> and has a packless O-ring flow tube seal which reduces maintenance. Built-in rupture disc reduces possibility of flow tube damage due to high pressure inlet surge. Precision flow adjustment valve locks flow at desired setting.



H2051A-580

H2051A-580H

Stock No.	Gas Used	Flow Range	Preset Delivery Pressure	Inlet Connection	Outlet Connection	Maximum Inlet Pressure
<b>H2051A-580</b>	Argon, CO <sub>2</sub> Helium	0-50 SCFH 0-24 LPM	50 PSIG 3 Bar	CGA 580	5/8" - 18 RH	3000 PSIG
<b>*H2051A-580H</b>	Argon/CO <sub>2</sub> Mix				Internal	

\* Includes 6' (1.8m) hose with inert hose connections.

### 3 Year Limited Warranty



## Series 30™ Dual Flowmeter Regulator



33-50-580

### FEATURE BENEFITS

- Dual Scale Calibration
- Preset at 50 PSIG
- Back Pressure Compensated Flow Tube
- Sensitive Needle Valve for Fine Adjustment
- Durable Lexan™ Flow Tube Cover
- Large 2" (51mm) Cylinder Contents Gauge
- Dual Scale

**3 Year Limited Warranty**



Stock No.	Gas Used	Flow Range	Flowmeter	Inlet Connection	Outlet Connection
33-50-580 Dual Scale	Argon, CO <sub>2</sub>	0-50 SCFH 0-28 LPM	H2230	CGA 580	5/8" - 18 RH
	Helium	0-160 SCFH 0-75 LPM			Internal

## Liquid Cylinder Regulators - Rear Entry



### FEATURE BENEFITS

- Easy to read single scale 2-1/2" gauge
- Ideal for non-corrosive high purity applications
- Nickel plated brass body and bonnet for corrosion resistance
- Large 2-1/8" SST diaphragm for precise control of pressure
- Easy to adjust hand knob
- Two year limited warranty

**2 Year Limited Warranty**

Regulators  
Flowmeters

**252 - 20 - 08**

#### OPTION 1: MODEL SERIES AND OUTLET PRESSURE

252	100 PSIG
254	200 PSIG
255	350 PSIG
256	500 PSIG

#### OPTION 2: OUTLET FITTINGS

00	1/4" FNPT
20	Chrome Needle Valve with male 1/4" NPT outlet
82	9/16" - 18 RH "B" Fitting
84	9/16" - 18 LH "B" Fitting

#### OPTION 3: CGA INLET FITTINGS

00	1/4" FNPT
02	CGA 320
08	CGA 540
09	CGA 580

Due to order specific configurations, Smith Equipment can not accept returns of 250 Series regulators.

### ORDERING INFORMATION FOR 250 SERIES REGULATORS

Product Number	Max. Inlet Pressure (PSIG)	Max. Outlet Pressure (PSIG)	Delivery Gauge	
			Range (PSIG)	Graduations (PSIG)
252	3,000	100	0-200	5
254	3,000	200	0-400	10
255	3,000	350	0-400	10
256	3,000	500	0-1,000	20



### REGULATORS FOR DISPOSABLE CYLINDERS

Attaches to 14.1 oz. and 16 oz. disposable tanks.

Stock No.	Outlet PSIG Pressure	Gas
249-499	4-8	Oxygen
249-500	16-18	LP, MAPP®, Propylene

**1 Year Limited Warranty**

Fits "B" 9/16" hoses