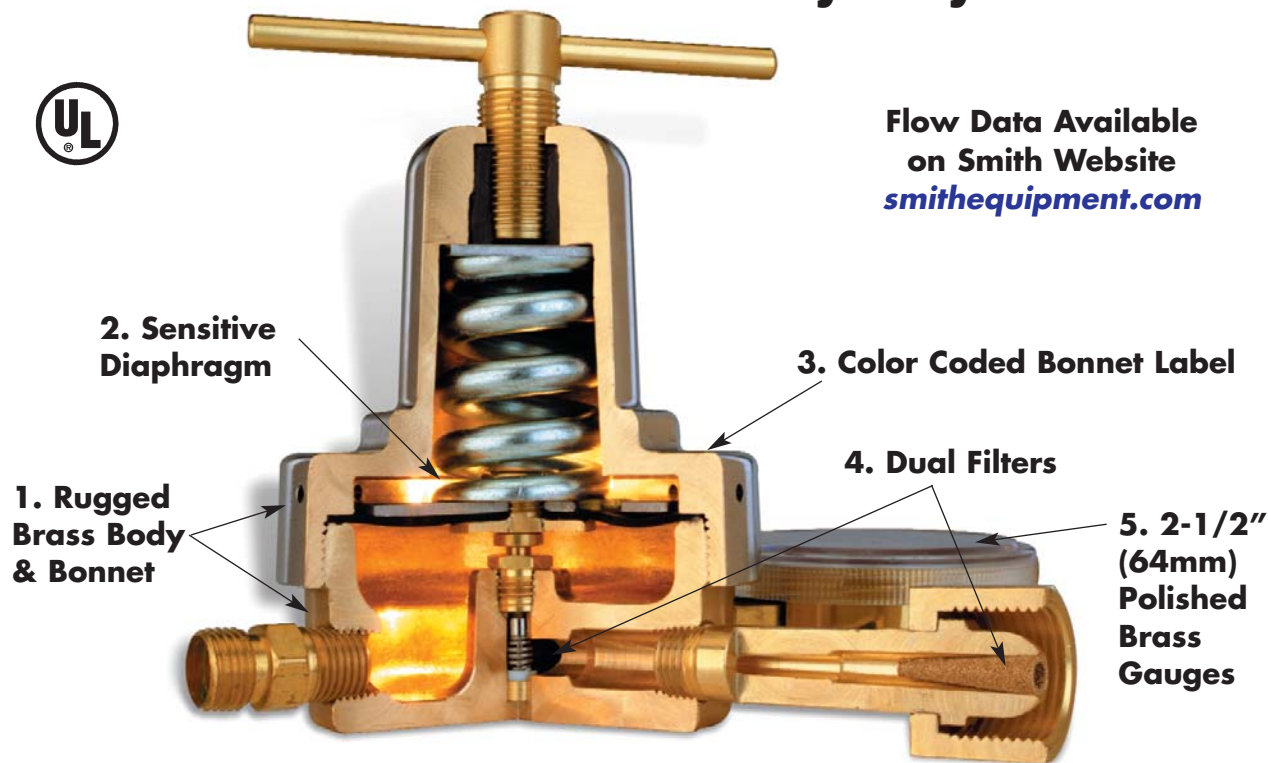


Heavy Duty HB1500 Series



Regulators
Flowmeters

FEATURE BENEFITS

- 1 Rugged Brass Construction**
Provides durability and corrosion resistance.
- 2 Extra Sensitive Diaphragms**
HB1500 Series designed with nylon impregnated Neoprene for long, accurate service.
- 3 Color Coded Bonnet**
For easy gas service identification.
- 4 Dual Filters**
Internal filter and inlet filter protect high pressure seat from damage by debris entering the regulator.
- 5 2-1/2" (64mm) Diameter Polished Brass Gauges**
Dual scale, polished brass gauges (PSI/Bar) provide high visibility and excellent corrosion resistance. Constructed with Polycarbonate shatter resistant lenses.
- 6 External Relief Valve**
To protect low pressure side of regulator from damage due to inadvertent high pressure surge.

3 Year Limited Warranty



**HB1500 Series
Nylon Impregnated
Neoprene Diaphragm**

Heavy Duty Brass HBI500 Series



BRASS CONSTRUCTION FOR DEPENDABLE SERVICE IN CORROSIVE ATMOSPHERES

HB1500 series single stage regulators comprise a complete line of versatile regulators for welding, cutting, heating and other industrial applications. Heavy duty construction and simplified design provides high gas flow and longer trouble-free operation.



Regulator With Hard Hat™

3 Year Limited Warranty

Flow Data Available on Smith Website
smithequipment.com

Regulators
Flowmeters

Oxygen Regulators

Stock Number	Gas Used	Delivery Pressure	Gauges (2-1/2" /64mm Dia.)		Inlet Connection	Outlet Connection	Max Inlet Pressure
			Inlet	Outlet			
HB1510A-540	Oxygen	0-150 PSIG 0-10 Bar	4000 PSIG 276 Bar	200 PSIG 14 Bar	CGA 540	9/16"-18 RH "B"	3000 PSIG 207 Bar
HB1510A-540S*							

Acetylene Regulators

Stock Number	Gas Used	Delivery Pressure	Gauges (2-1/2" /64mm Dia.)		Inlet Connection	Outlet Connection	Max Inlet Pressure
			Inlet	Outlet			
HB1520B-300	Acetylene	0-15 PSIG 0-1 Bar	400 PSIG 28 Bar	30 PSIG 2 Bar	CGA 300	9/16"-18 LH "B"	400 PSIG 28 Bar
HB1520B-300S*							
HB1521B-510					CGA 510		
HB1521B-510S*							

Propane, Propylene, MAPP® & Natural Gas Regulators

Stock Number	Gas Used	Delivery Pressure	Gauges (2-1/2" /64mm Dia.)		Inlet Connection	Outlet Connection	Max Inlet Pressure
			Inlet	Outlet			
HB1522B-510	LP Gas	0-50 PSIG 0-3 Bar	400 PSIG 28 Bar	60 PSIG 4 Bar	CGA 510	9/16"-18 LH "B"	400 PSIG 28 Bar

Other Gases

Stock Number	Gas Used	Delivery Pressure	Gauges (2-1/2" /64mm Dia.)		Inlet Connection	Outlet Connection	Max Inlet Pressure
			Inlet	Outlet			
HB1530-580	Nitrogen	0-275 PSIG 0-19 Bar	4000 PSIG 276 Bar	400 PSIG 28 Bar	CGA 580	5/8"-18 RH Internal	3000 PSIG 207 Bar

* Includes HB190 "Hard Hat™" Gauge Guard.

NOTE: These regulators are not suitable in cryogenics or lox or other liquid gas systems.

ACCESSORIES



HB190
"Hard Hat"™
Gauge/Regulator
Guards
see page 70



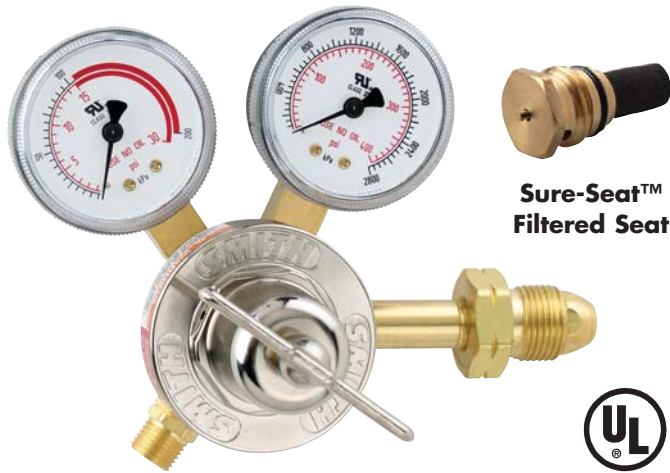
Check Valves
see page 68



Flashback
Arrestors
see page 67



Medium Duty Single Stage Series 30™ Regulators



**Sure-Seat™
Filtered Seat**



Rugged medium duty industrial grade regulators are extremely durable and contain 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. These highly accurate regulators are manufactured with a rugged forged body and corrosion resistant bright nickel-plated bonnet. Series 30™ are made in the USA and backed by a 3 year limited warranty.

Regulators
Flowmeters

Flow Data & Cross Reference to old model numbers available on Smith Website under Tech & Safety Info. smithequipment.com

PART# DEFINITION	
Example: 30-15-510	
30	→ SERIES
15	→ MAXIMUM OUTLET PRESSURE
510	→ CYLINDER CGA CONNECTION

3 Year Limited Warranty

Oxygen Regulators

Stock Number	Gas Used	Delivery Pressure	Gauges (2"/51mm Dia.)		Inlet Connection	Outlet Connection	UL Listed Max Inlet Pressure
			Inlet	Outlet			
30-100-540	Oxygen	0-100 PSIG 0-7 Bar	4000 PSIG 276 Bar	150 PSIG 10 Bar	CGA 540	("B") 9/16"-18 RH	3000 PSIG 207 Bar
30-20-540		0-20 PSIG 0-1 Bar					

Acetylene Regulators

Stock Number	Gas Used	Delivery Pressure	Gauges (2"/51mm Dia.)		Inlet Connection	Outlet Connection	UL Listed Max Inlet Pressure
			Inlet	Outlet			
30-15-510	Acetylene	0-15 PSIG 0-1 Bar	400 PSIG 28 Bar	30 PSIG 2 Bar	CGA 510	("B") 9/16"-18 LH	400 PSIG 28 Bar
30-15-300					CGA 300		
30-15-520					CGA 520		
30-15-200					CGA 200		

Propane, Propylene, MAPP® & Natural Gas Regulators

Stock Number	Gas Used	Delivery Pressure	Gauges (2"/51mm Dia.)		Inlet Connection	Outlet Connection	UL Listed Max Inlet Pressure
			Inlet	Outlet			
30-50-510	LP Gas	0-50 PSIG 0-3 Bar	400 PSIG 28 Bar	60 PSIG 4 Bar	CGA 510	("B") 9/16"-18 LH	400 PSIG 28 Bar

Other Gases

Stock Number	Gas Used	Delivery Pressure	Gauges (2"/51mm Dia.)		Inlet Connection	Outlet Connection	UL Listed Max Inlet Pressure
			Inlet	Outlet			
30-150-580	Argon/ Nitrogen	0-150 PSIG 0-10 Bar	4000 PSIG 276 Bar	150 PSIG 10 Bar	CGA 580	5/8"-18 RH Internal	3000 PSIG 207 Bar
30-100-320					CGA 320		
30-100-350	Hydrogen/ Methane	0-100 PSIG 0-7 Bar			CGA 350	("B") 9/16"-18 LH	

ACCESSORIES



**H195
"Hard Hat"™
Gauge/Regulator
Guards**
see page 70



Check Valves
see page 68



**Flashback
Arrestors**
see page 67



Two Stage Regulators



Series 30™ - 2 Stage



Series 30™ Two Stage Regulators

Drop cylinder pressure to working pressure in two stages for consistent and accurate outlet pressure and flow regardless of inlet pressure. Recommended where outlet pressure and flow must be maintained without variation.

100% TESTED AND INSPECTED

3 Year Limited Warranty

Flow Data & Cross Reference to old model numbers available on Smith Website under Tech & Safety Info. smithequipment.com



H197
"Hard Hat"™
Gauge/Regulator
Guards
see page 70

Series 30™ Two Stage Regulators

Regulators
Flowmeters

Stock Number	Gas Used	Delivery Pressure	Gauges (2" / 51mm Dia.)		Inlet Connection	Outlet Connection	UL Listed Max Inlet Pressure
			Inlet	Outlet			
35-125-540	Oxygen	0-125 PSIG	4000 PSIG	150 PSIG	CGA 540	("B")	3000 PSIG
		0-9 Bar	276 Bar	10 Bar		9/16"-18 RH	207 Bar
35-15-510	Acetylene	0-15 PSIG	400 PSIG	30 PSIG	CGA 510	("B")	400 PSIG
35-15-300		0-1 Bar	28 Bar	2 Bar	CGA 300	9/16"-18 LH	28 Bar
35-50-580	Nitrogen/ Helium/Inert	0-50 PSIG	4000 PSIG	60 PSIG	CGA 580	5/8"-18 RH	3000 PSIG
		0-3 Bar	276 Bar	4 Bar		Internal	207 Bar

Single Stage Series 30™ Medium Duty & Heavy Duty I500 Series Station Regulators

Heavy and Medium duty brass line regulators are rugged, accurate and corrosion resistant with shatter resistant polycarbonate gauge lenses.

Stock Number	Gas Used	Delivery Pressure	Gauges Diameter		Outlet Connection	UL Listed Max Inlet Pressure
			Inches	mm		
HB1575A ¹	Oxygen	0-150 PSIG	2 1/2"	64	("B")	500 PSIG
36-150 ¹		0-10 Bar	2"	51	9/16"-18 RH	35 Bar
HB1579A ²	Acetylene	0-15 PSIG	2 1/2"	64	9/16"-18 LH	200 PSIG
36-15 ²		0-1 Bar	2"	51		14 Bar
HB1580A ²	LP Gas	0-50 PSIG	2 1/2"	64	500 PSIG	500 PSIG
*36-50 ²		0-3 Bar	2"	51		35 Bar

*Delivery pressure range 0-50 PSIG; 0-4 Bar

¹ "C" size inlet connection (7/8"-14 RH).

Fits station valve NCG No. M960R, Rego. No. 7160.

² "C" size inlet connection (7/8"-14 LH).

Fits station valve NCG No. M961R, Rego. No. 7161.

NOTE: Body inlet 1/4" NPT.

**HB1500 Series
Heavy Duty**



**Series 30™
Medium Duty**



3 Year Limited Warranty



Series 30™ Regulator Twin Packs



FEATURE BENEFITS

1. Solid Brass Industrial Construction
2. Durable Teflon® High Pressure Seat
3. Convenient & Economical
4. 100% Tested and Inspected

HTP2

30-100-540

Delivery Press: 0-100 PSIG
Inlet Connection: CGA 540

Oxygen

30-15-510

Delivery Press: 0-15 PSIG
Inlet Connection: CGA 510 Fuel Gas: LP / Acetylene

HTP5

30-100-540

Delivery Press: 0-100 PSIG
Inlet Connection: CGA 540

Oxygen

30-15-300

Delivery Press: 0-15 PSIG
Inlet Connection: CGA 300 Fuel Gas: Acetylene

Regulators
Flowmeters

HVAC/Refrigeration Purge and Test Regulators

Smith's single stage nitrogen regulator is specially designed to meet the specifications of HVAC refrigerant purging applications. This regulator is used with nitrogen to test an HVAC system to locate leaks and to purge an area for installation and repair. Its compact size is suitable for use where space is limited.

- Economical and accurate
- Solid brass body provides durability
- Special Option: Heavy duty charging hose outfitted with appropriate connections.
- Large durable nylon adjusting knob for easy pressure adjustment
- Highly accurate 2" (51mm) gauges with shatter resistant lenses



**H195
Hard Hat™**

Protects gauges from damage
(Remove knob to install)

30-450-580



Stock Number	Gas Used	Delivery Pressure	Gauges (2"/51mm Dia.)		Inlet Connection	Outlet Connection	Max Inlet Pressure
			Inlet	Outlet			
30-450-580	Nitrogen	0-450 PSIG 31 Bar	4000 PSIG 276 Bar	600 PSIG 41 Bar	CGA 580	7/16"-20 External Flair Fitting	3000 PSIG 207 Bar

RL260

SINGLE HOSE FOR NITROGEN See page 65 for RL260 Nitrogen Hose information.

6' (1.8m) x 1/4" (6mm) Heavy Duty Charging Hose for use with Nitrogen for HVAC Purging Applications. (To Regulator: 7/16"-20 RH Internal • To AC Unit: 7/16"-20 RH w/core)

1 Year Limited Warranty

Safety • Performance • Durability