

SMITHTM
 **Miller**



**OXY-FUEL
SOLUTIONS**

WHY SMITH™?

Since it was founded in 1916 by Elmer Smith, Smith has continued to set the industry standard for oxy-fuel equipment. Our commitment to crafting excellence has earned us a reputation for manufacturing high-quality equipment that welders and professionals trust.

Smith offers a comprehensive range of gas equipment and gas control products. From torches to regulators, our lineup meets the highest standards. Our equipment is meticulously designed to ensure user safety without compromising on performance. We understand the diverse needs of oxy-fuel applications, providing solutions that empower professionals to achieve superior results with equipment they can rely on.

The Smith Difference



In-Tip Gas Mix

Assures lowest volume of volatile mixed gas in the system. Sustained backfire can be isolated in the tip, helping protect the operator and the torch



Three Tube Construction

Keeps gases separate in the cutting attachment until mixed at the tip



Flo-Trol

Eliminates seat burn out due to reverse flow of mixed gases*

*MC and SC Series only

Graf-Tite® Soft Seat Tip

Protects the tip seat from nicking for longer use



COMBINATION TORCHES

For greater versatility, handheld two-piece Toughcut™, MC and SC Series Combination Torches are used for cutting heating, gouging, brazing or welding applications, and allow for easy changing of tips for different needs and range of applications.



Standard-Duty Combination Torches cut up to 3-inch thick metal, Medium-Duty Torches cut up to 6-inch thick metal and Heavy-Duty Torches cut up to 8-inch thick metal.

Oxy-Fuel Processes: Cutting | Heating | Welding | Brazing | Soldering

Fuel Gases: Acetylene | Propane | Natural Gas | Propylene

Head Angles: 75 | 90 degrees

In-Tip Gas Mix

Assures lowest volume of volatile mixed gas in the system. Sustained backfire can be isolated in the tip, helping protect the operator and the torch

Slip-in Tip

No wrench is needed allowing for quick and easy tip changes

Silver-Brazed Nickel-Plated Torch Joints

Provides strength, leak resistance and heat deflection

Three Tube Construction

Keeps gases separate in the cutting attachment until mixed at the tip

Center Pre-Heat Valve

Usage for both left and right-handed operators

Flo-Trol Valve

Eliminates seat burn out due to reverse flow of mixed gases*

*MC and SC Series only

Triple O-ring Seal

Easy 360-degree torch attachment rotation

Internal Threads

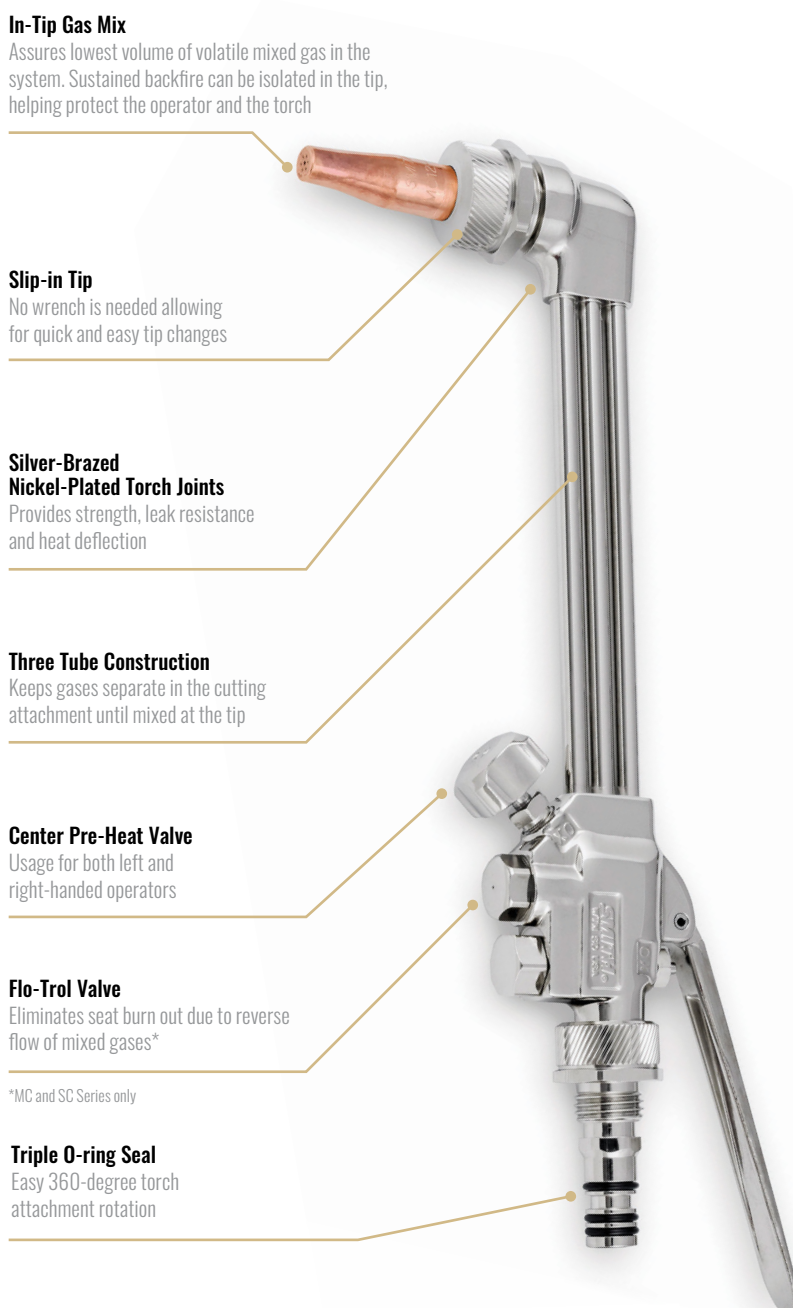
Threads are protected from damage if torch is dropped

Nickel Finish

Deflects heat and resists corrosion

Riveted Knobs

Will not come loose from the valve stem



CUTTING TORCHES

SC Series and Gas Axe™ Hand-cutting Torches are designed to cut carbon steel and come in various lengths and head angles for varying applications. SC Series Heavy-Duty Hand Cutting Torches cut up to 12-inch thick steel while Gas Axe™ Extra Heavy-Duty Hand Cutting Torches cut up to 20-inch thick steel.



Oxy-Fuel Processes: Cutting | Gouging

Fuel Gases: Acetylene | Propane | Natural Gas | Propylene

Head Angles: 75 | 90 | 180 degrees

Heavy-Duty Cutting Torch

Ideal for construction, fabrication and shipyard industries. Cuts up to 12-inch thick steel.

In-Tip Gas Mix

assures lowest volume of volatile mixed gas in the system. Sustained backfire can be isolated in the tip, helping protect the operator and torch

Thick-wall Forged Brass Head

Super-tough, thick-walled head reduced heat wrapping and damage

Three Tube Construction

Keeps gases separate in the cutting attachment until mixed at the tip for safety

Durable Brass Raised-Rib Handle

Positive grip adds comfort and reduces operator fatigue

Ease-On Cutting Oxygen

Provides exceptionally smooth application of cutting oxygen, reducing keyholing and slag blowback without sacrificing extremely high cutting capacity

Reversible Cutting Lever

Top- or bottom-mount lever for ease of use

Adjustable Valve Resistance

PTFE packing provides a gas-tight seal while allowing the drag to be adjusted to the individual preference

Stainless Steel Ball-Style Valves

Provides smooth adjustment and positive seating to eliminate leaks

Replaceable Hose Connections

Easily replaced if damaged, reducing maintenance costs

Gas Axe™ Extra Heavy-Duty Cutting Torch

Ideal for scrap and demolition cutting. Cuts up to 12-inch thick steel with acetylene and propylene. Cuts up to 20-inch thick steel with propane/natural gas.

OXY-FUEL TIPS

Smith offers a versatile range of cutting tips, crafted to suit every job and material thickness. The exclusive Graf-Tite® soft seat design by Smith uses pliable graf-tite seat material which stands up to rough handling and conforms to even damaged seating surfaces ensuring performance and longevity even with rough handling. See ordering info for our full range of tips including heating tips.

Oxy-Fuel Processes: Cutting

Fuel Gases: Acetylene | Propane | Natural Gas | Propylene

Fully Swaged Tip

Delivers stable gas flows for fast starts and precision cuts, reducing slag build up and saving time on clean up

In-tip Gas Mix

Assures lowest volume of volatile mixed gas in the system for safest operation

Removable High-Pressure Seat Nut

Provides safer and easier cleaning from back of tip

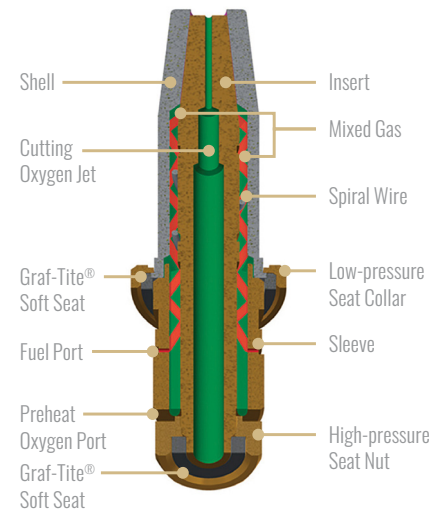
Concave-shaped End

Reduces backfire and resists flameout during accidental contact with the base metal while cutting

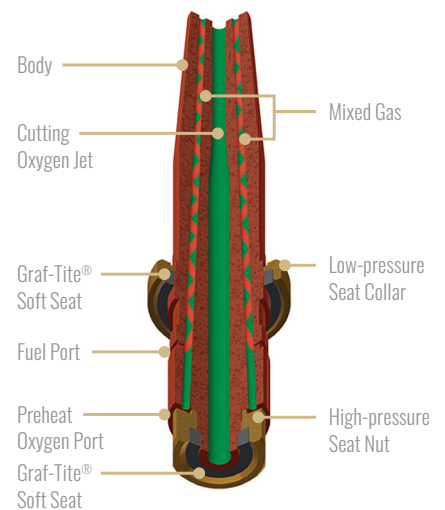
Graf-Tite® Soft Seat

Compresses and conforms to the shape of the torch head for positive seating, eliminating leaks even when tips are nicked

Two-Piece Cutting and Gouging Tip



One-Piece Cutting and Gouging Tip



OUTFITS AND PACKS

Smith outfits include all the components and accessories needed for your cutting, heating, welding or brazing projects. Smith packs are an easy and economic way to update or change your oxy-fuel system. Available with cutting, heating and welding tips or multiple cutting tips.



Heavy-Duty Outfits and Packs



Combination Torch Outfit

Cuts up to 1 1/4 inches (32 mm) with included tips
Cuts up to 8 inches (203 mm) with optional tips



Combination Torch and Tips Pack

Cuts up to 5/8 inches (16 mm) with included tips
Cuts up to 8 inches (203 mm) with optional tips



Cutting Torch Outfit

Cuts up to 1 1/4 inches (32 mm) with included tips
Cuts up to 12 inches (305 mm) with optional tips

Medium-Duty and Toughcut™ Outfits and Packs



Medium-Duty Combination Torch Outfit

Cuts up to 5/8 inch (16 mm) with included tips
Cuts up to 6 inches (153 mm) with optional tips



Medium-Duty Combination Torch Pack

Cuts up to 5/8 inch (16 mm) with included tips
Cuts up to 6 inches (153 mm) with optional tips



Toughcut™ Torch Outfit

Cuts up to 3/8 inch (10 mm) with included tips
Cuts up to 6 inches (153 mm) with optional tips

PRESSURE REGULATORS

Oxy-Fuel Processes: Cutting | Heating | Welding | Brazing



Resin Bonnet Insert

Allows smooth, easy adjustment even at high-pressure levels

Neoprene Diaphragm

Resists corrosion, leaking and freeze-up if used with liquid (cryogenic) gases for extended service life

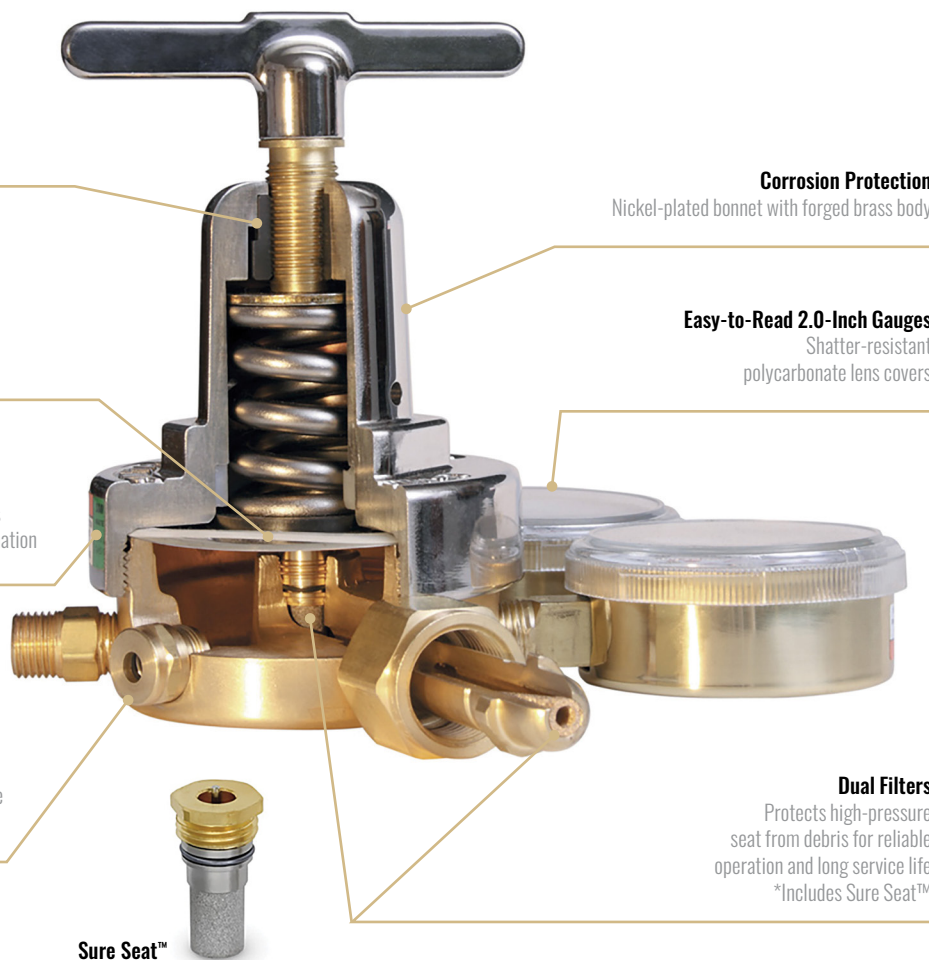
*Series 30 has neoprene composite diaphragm

Color-coded Labels

Supply performance capabilities, easy gas service identification and technical information

External Relief Valve

Protects regulator from damage due to inadvertent high-pressure surge, and relief valve will release excessive pressure and automatically reset



Corrosion Protection

Nickel-plated bonnet with forged brass body

Easy-to-Read 2.0-Inch Gauges

Shatter-resistant polycarbonate lens covers

Dual Filters

Protects high-pressure seat from debris for reliable operation and long service life
*Includes Sure Seat™

Sure Seat™



Series 30 Industrial-Grade Pressure Regulators

Recommended for most daily-use applications



Series 40 Industrial-Grade Pressure Regulators

Recommended for high gas flow applications including liquid service



Heavy-Duty Single-Stage Station Regulators

Used to connect pipeline gas delivery systems to the welding stations

HEAVY-DUTY FLOWMETER AND FLOWMETER REGULATORS

Processes: MIG | TIG

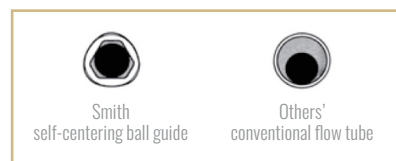


Extra-Long Flow Tube

High-visibility green background eases readings from a distance and in low-light conditions

Multi-Scale Flow Tube

Easy-to-read and accurate within five percent of full reading for inert gases



Exclusive Self-Centering Ball Guide

Provides accurate reading even if tipped*

*Others use conventional guide where the ball floats off center causing the actual gas flow to be 2x greater than indicated

External Pressure Relief Valve

Protects regulator from damage due to inadvertent high-pressure surge as valve will release excessive pressure and automatically reset

Rugged Aluminum Housing

Protects flow tubes from damage while offering an unobstructed view of flow reading

Easy-to-read 2-inch Gauge

Shatter-resistant polycarbonate lens cover

Dual Filters including Sure Seat™

Protect high-pressure seat from debris for reliable operation and long service life

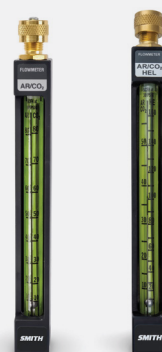


Heavy-Duty Single-Stage Flowmeter Regulator



The heat exchanger reduces high-flow CO₂ freeze up

Heavy-Duty Two-Stage Flowmeter Regulator



Heavy-Duty Flowmeters

MEDIUM-DUTY FLOWMETERS AND FLOWMETER REGULATORS

Processes: MIG | TIG



Shatter-Resistant Triple-Scale Flow Tube

Made of shatter-resistant polycarbonate resin that can be rotated to position desired scale for easy reading

Built-In Rupture Disc

Reduces possibility of flow tube damage due to inadvertent high-pressure surge

Dual Filters

Protect high-pressure seat from debris for reliable operation and long service life

Precision Flow-Adjustment Valve

Allows easy adjustment to desired setting

Easy-to-Read 1.5-inch Gauge

Shatter-resistant polycarbonate lens cover



Heavy-Duty Single-Stage
Flowmeter Regulator



Heavy-Duty Two-Stage
Flowmeter Regulator



Heavy-Duty Flowmeter

ORDERING INFORMATION

Smith Torches

STANDARD-DUTY COMBINATION TORCHES

AC309	11.25 in. length (286 mm) / 90 degree head angle
AW1A	5.75 in. length (146 mm) handle

MEDIUM-DUTY COMBINATION TORCHES

MC505	11.25 in. length (286 mm) / 75 degree head angle
MC509	11.25 in. length (286 mm) / 90 degree head angle
WH100	7 in. length (178 mm) handle

HEAVY-DUTY COMBINATION TORCHES

SC205	12.5 in. length (318 mm) / 75 degree head angle
SC209	12.5 in. length (318 mm) / 90 degree head angle
WH200A	7.5 in. length (191 mm) handle

TOUGH CUT™ COMBINATION TORCHES

CC509P	11.25 in. length (286 mm) / 90 degree head angle
WH100	7 in. length (178 mm) handle

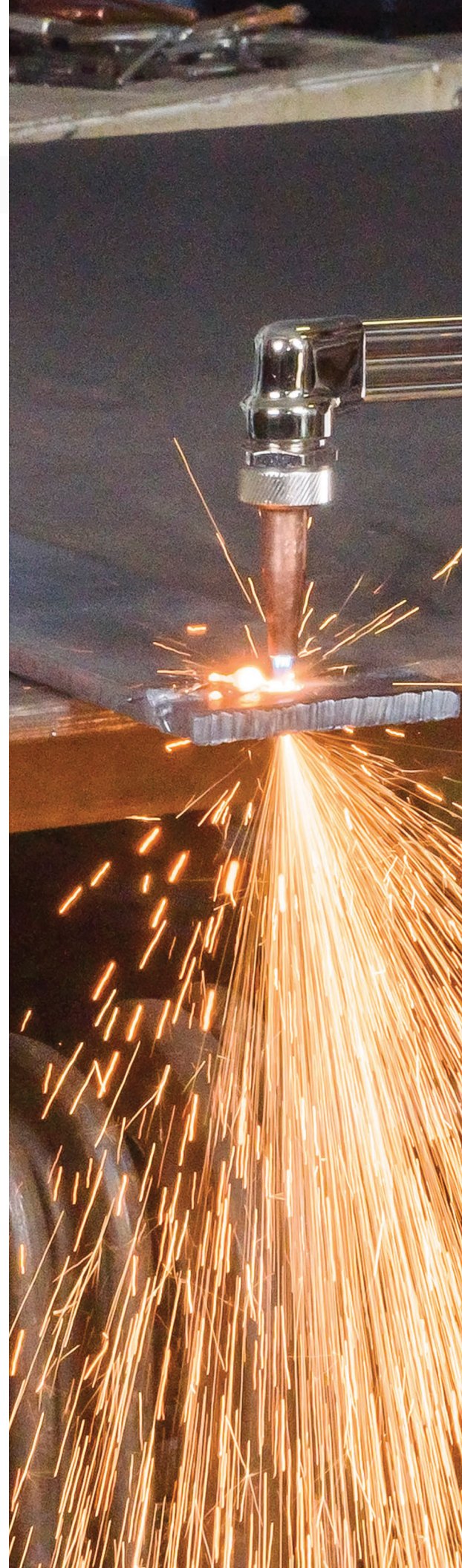
HEAVY-DUTY CUTTING TORCHES

SC225	20.5 in. length (521 mm) / 75 degree head angle
SC229	20.5 in. length (521 mm) / 90 degree head angle
SC229S*	20.5 in. length (521 mm) / 90 degree head angle
SC220	21 in. length (533 mm) / 180 degree head angle
SC365	36 in. length (914 mm) / 75 degree head angle
SC369	36 in. length (914 mm) / 90 degree head angle
SC360	36 in. length (914 mm) / 180 degree head angle

*Torch head made with thicker-wall manganese bronze for more severe service

GAS AXE™ EXTRA HEAVY-DUTY CUTTING TORCHES

SC925	21 in. length (533 mm) / 75 degree head angle
SC929	21 in. length (533 mm) / 90 degree head angle
SC935	36 in. length (914 mm) / 75 degree head angle
SC939	36 in. length (914 mm) / 90 degree head angle
SC930	36 in. length (914 mm) / 180 degree head angle
SC945	48 in. length (1,219 mm) / 75 degree head angle
SC949	48 in. length (1,219 mm) / 90 degree head angle
SC940	48 in. length (1,219 mm) / 180 degree head angle
SC965	72 in. length (1,829 mm) / 75 degree head angle
SC969	72 in. length (1,829 mm) / 90 degree head angle
SC960	72 in. length (1,829 mm) / 180 degree head angle



Smith Oxy-Fuel Tips

SC12 Series Cutting Tip



MC40 Series Cutting Tip



AT605 Heating Tip



SW205 Welding Tip



CUTTING TIPS

Stock Number	Max. Metal Thickness (mm)
Heavy-Duty Acetylene	
SC12-00	3/16 (5)
SC12-0	3/8 (10)
SC12-1	5/8 (16)
SC12-2	1-1/4 (32)
SC12-3	2 (51)
SC12-4	4 (102)
SC12-5	8 (203)
SC12-6	12 (305)
Heavy-Duty Propane/Natural Gas	
SC50-0	3/8 (10)
SC50-1	5/8 (16)
SC50-2	1-1/4 (32)
SC50-3	2 (51)
SC50-4	4 (102)
SC50-5	8 (203)
SC50-6	12 (305)
SC50-7	14 (354)
SC50-8	18 (457)
SC50-9	20 (508)
Heavy-Duty Propylene	
SC60-0	3/8 (10)
SC60-1	5/8 (16)
SC60-2	1-1/4 (32)
SC60-3	2 (51)
SC60-4	4 (102)
SC60-5	8 (203)
SC60-6	12 (305)

Stock Number	Max. Metal Thickness (mm)
Medium-Duty Acetylene	
MC12-00*	3/16 (5)
MC12-0*	3/8 (10)
MC12-1*	5/8 (16)
MC12-2*	1 (25)
MC12-3*	2 (51)
MC12-4*	4 (102)
MC12-5*	6 (152)
Heavy-Duty Propane/Natural Gas	
MC40-00*	3/16 (5)
MC40-0*	3/8 (10)
MC40-1*	5/8 (16)
MC40-2*	1-1/4 (32)
MC40-3*	2 (51)
MC40-4*	4 (102)

*Tip is compatible with Medium-Duty, Toughcut™ and Standard-Duty torches.

HEATING TIPS

Stock Number	Btu per hour
Heavy-Duty Acetylene	
ST602	40,125
ST603	71,750
ST605	124,670
ST610	194,890
Medium-Duty Acetylene	
MT603	40,125
MT605	73,085
MT610	128,970
Medium-Duty Propane/Natural Gas	
MT805	208,000
MT615	269,000/182,000
Standard-Duty Acetylene	
AT605	41,550
Standard-Duty Acetylene Tip Ends (Use with AT60 Mixer Tube)	
13716	16,080
LT103	6,300
LT104	13,200
LT106	25,000
Standard-Duty Acetylene Tip Ends (Use with AT600/AT600X Tips)	
LT103	12,600
LT104	26,400
LT106	50,000

HEATING TIPS

Stock Number	Btu per hour
Heavy-Duty Acetylene	
SW201	1/32 (0.7)
SW203	5/64 (1.9)
SW205	1/8 (3)
SW207	3/16 (5)
SW209	3/8 (10)
SW210	1/2 (13)
Medium-Duty Acetylene	
MW201	1/32 (0.7)
MW203	5/64 (1.9)
MW205	1/8 (3)
MW207	3/16 (5)
MW209	3/8 (10)
Standard-Duty Acetylene	
AW201	1/32 (0.7)
AW203	5/64 (1.9)
AW205	1/8 (3)
AW207	3/16 (5)
AW209	3/8 (10)
AW210	1/2 (13)

SMITH™ HEAVY-DUTY OUTFITS AND PACKS



Combination Torch Outfit



Combination Torch and Tips Pack



Cutting Torch Outfit

Outfit/Pack	Stock Number	Fuel	Oxygen Regulator	Fuel Gas Regulator	Torch	Cut Tip	Heat Tip	Weld Tip	Accessories
Combination Torch Outfits	HBA-40510	Acetylene	40-175-540	40-15-510	SC209/WH200A	SC12-1, SC12-2	ST602	SW205	25 ft. (7.6 m), 1/4 in. (6 mm) "R"-grade hose, lighter, shade 5 safety glasses, tip cleaner and flashback arrestors
	HBA-40300			40-15-300					
	HBA-30510		30-100-540	30-15-510	SC209/WH200A	SC12-1	ST602	SW205	25 ft. (7.6 m), 1/4 in. (6 mm) "R"-grade hose, lighter, shade 5 safety glasses, tip cleaner and flashback arrestors
	HBA-30300			30-15-300					
	HBA-30510LP	Propylene/Natural Gas	30-100-540	30-50-510	SC209/WH200A	SC40-1	ST615	—	20 ft. (6.1 m), 1/4 in. (6 mm) "T"-grade hose, lighter, shade 5 safety glasses, tip cleaner and check valves
Combination Torch and Tips Packs	16206	Acetylene	—	—	SC209/WH200A	SC12-1	ST602	SW203	H743 flashback arrestors
	16280					SC12-0, SC12-1	—	—	
Cutting Torch Outfits	HBS-H510S	Acetylene	40-175-540S	40-15-510S	SC229	SC12-2	—	—	Hard Hat gauge guards (denoted by "S" designation at end of regulator number)
	HBS-H300S			40-15-300S					
	HBAS-30510		30-100-540	30-15-510	SC229	SC12-1	—	—	20 ft. (6.1 m), 3/16 in. (5 mm) "R"-grade hose, lighter, shade 5 safety glasses, tip cleaner and flashback arrestors
	HBAS-30300			30-15-300					

SMITH™ MEDIUM-DUTY | TOUGHCUT™ OUTFITS AND PACKS



**Medium-Duty
Combination Torch Outfit**



**Medium-Duty
Combination Torch Pack**



**Toughcut™ Torch
Outfit**

Outfit/Pack	Stock Number	Fuel	Oxygen Regulator	Fuel Gas Regulator	Torch	Cut Tip	Heat Tip	Weld Tip	Accessories
Combination Torch Outfits	MBA-30510	Acetylene	30-100-540	30-15-510	MC509/ WH100	MC12-0, MC12-1	MT603	MW205	20 ft. (6.1 m), 3/16 in. (5 mm) "R"-grade hose, lighter, shade 5 safety glasses, tip cleaner and flashback arrestors
	MBA-30300			30-15-300					
	MBA-30510LP	Propylene/ Natural Gas	30-100-540	30-50-510	MC509/ WH100	MC40-1	MT805	—	20 ft. (6.1 m), 1/4 in. (6 mm) "T"-grade hose, lighter, safety glasses, tip cleaner and check valves
Combination Torch and Tips Packs	16205	Acetylene	—	—	MC509/ WH100	MC12-1	MT603	MW203	Flashback arrestors
	16281					MC12-0, MC12-1	—	—	
Combination Torch Outfits	MB55A-510	Acetylene	30-100-540	30-15-510	CC509P/ WH100	MC12-1	MT603	MW205	20 ft. (6.1 m), 3/16 in. (5 mm) "R"-grade hose, lighter, shade 5 safety glasses and check valves
	MB55A-300			30-15-300					
Combination Torch Portable Tag-A-Long® Outfits	TL-500 (no tanks) TL-550	Acetylene	30-100-540	30-15-200	CC509P/ WH100	MC12-0	—	MW203	Carrier, 12.5 ft. (3.8 m), 3/16 in. (5 mm) "R"-grade hose, lighter, shade 5 safety glasses, check valves, oxygen cylinder and acetylene cylinder (cylinders NOT included with TL-500)

SMITH™ PRESSURE REGULATORS



Series 30 Industrial-Grade Pressure Regulators

Stock Number	Gas	Max. Delivery Pressure	Max. Inlet Pressure	Outlet Connection	Inlet Connection
30-100-540 Single-Stage	Oxygen	100 psig (7 bar)	3000 psig (207 bar)	9/16"-18 RH "B"	CGA 540
30-20-540 Single-Stage	Oxygen	20 psig (1.4 bar)	3000 psig (207 bar)	9/16"-18 RH "B"	CGA 540
30-15-510 Single-Stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH "B"	CGA 510
30-15-300 Single-Stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH "B"	CGA 300
30-15-520 Single-Stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH "B"	CGA 520
30-15-200 Single-Stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH "B"	CGA 200
30-50-510 Single-Stage	LP (Gas Propylene or Natural Gas)	50 psig (3 bar)	400 psig (28 bar)	9/16"-18 LH "B"	CGA 510
30-100-350 Single-Stage	Hydrogen/Methane	100 psig (7 bar)	3000 psig (207 bar)	9/16"-18 LH "B"	CGA 350
30-150-580 Single-Stage	Argon/Nitrogen	150 psig (10 bar)	3000 psig (207 bar)	5/8"-18 RH internal	CGA 580
30-150-520 Single-Stage	CO ₂	150 psig (10 bar)	3000 psig (207 bar)	5/8"-18 RH internal	CGA 320



Series 40 Industrial-Grade Pressure Regulators

Stock Number	Gas	Max. Delivery Pressure	Max. Inlet Pressure	Outlet Connection	Inlet Connection
40-175-540 Single-Stage	Oxygen	175 psig (12 bar)	3000 psig (207 bar)	9/16"-18 RH "B"	CGA 540
40-275-540 Single-Stage	Oxygen	275 psig (19 bar)	3000 psig (207 bar)	9/16"-18 RH "B"	CGA 540
40-15-510 Single-Stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH "B"	CGA 510
40-15-300 Single-Stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH "B"	CGA 300
40-50-510 Single-Stage	LP (Gas Propylene or Natural Gas)	50 psig (3 bar)	400 psig (28 bar)	9/16"-18 LH "B"	CGA 510
40-275-580 Single-Stage	Nitrogen	275 psig (19 bar)	3000 psig (207 bar)	5/8"-18 RH internal	CGA 580



Heavy-Duty Single-Stage Station Regulators

Stock Number	Gas	Max. Delivery Pressure	Max. Inlet Pressure	Outlet Connection	Inlet Connection
46-175 Single-Stage	Oxygen	175 psig (12 bar)	200 psig (14 bar)	9/16"-18 RH "B"	CGA 024 7/8"-14 RH "C"
46-15 Single-Stage	Acetylene	15 psig (1 bar)	100 psig (7 bar)	9/16"-18 LH "B"	CGA 025 7/8"-14 LH "C"
46-50 Single-Stage	LP (Gas Propylene or Natural Gas)	50 psig (3 bar)	100 psig (7 bar)	9/16"-18 LH "B"	CGA 025 7/8"-14 LH "C"

Smith's full pressure regulator lineup including two-stage pressure regulators can be found at MillerWelds.com
International customers can visit internationalgasequipment.com

SMITH™ FLOWMETERS AND FLOWMETER REGULATORS



Heavy-Duty Flowmeters and Flowmeter Regulators

Stock Number	Gas	Flow Range	Max. Inlet Pressure	Outlet Connection	Inlet Connection
22-80-580 Single-Stage 22-80-580-6 Single-Stage w/Gas Hose	Argon/CO ₂	10-80 scfh (5-38 lpm)	3000 psig (207 bar)	5/8"-18 RH internal	CGA 580
22-80-320 Single-Stage 22-80-320-6 Single-Stage w/Gas Hose	CO ₂	10-80 scfh (5-38 lpm)	3000 psig (207 bar)	5/8"-18 RH internal	CGA 320
22-30-580 Single-Stage 22-30-580-6 Single-Stage w/Gas Hose	Argon/CO ₂	10-55 scfh (5-26 lpm)	3000 psig (207 bar)	5/8"-18 RH internal	CGA 580
	Helium	10-160 scfh (5-76 lpm)			
35-30-320 Two-Stage High-Flow CO ₂	CO ₂	10-55 scfh (5-26 lpm)	3000 psig (207 bar)	5/8"-18 RH internal	CGA 320
16530 Argon, CO ₂	Argon, CO ₂	10-80 scfh (5-38 lpm)	80 psig (6 bar) recom- mended	5/8"-18 RH internal	1/4" FNPT
16531 Argon, CO ₂ , Helium	Argon, CO ₂	10-55 scfh (5-26 lpm)	30 psig (2 bar) recom- mended		
	Helium	10-160 scfh (5-76 lpm)			



Medium-Duty Flowmeters and Flowmeter Regulators

Stock Number	Gas	Flow Range	Max. Inlet Pressure	Outlet Connection	Inlet Connection
H2051B-580 Single-Stage H2051B-580H Single-Stage w/Gas Hose 23-50-580 Single-Stage Dual Flowmeter Regulator	Argon	10-60 scfh (0-28 lpm)	3000 psig (207 bar)	5/8"-18 RH internal	CGA 580
	CO ₂	10-50 scfh (0-24 lpm)			
	Helium	10-160 scfh (0-78 lpm)			
H2230A Multi-Scale H2231A Multi-Scale	Argon	10-60 scfh (0-28 lpm)	50 psig (3 bar) recommended	5/8"-18 RH internal	H2230A: 1/4" MNPT
	CO ₂	10-50 scfh (0-24 lpm)			H2231A: 5/8"-18 RH external
	Helium	10-160 scfh (0-78 lpm)			



Single-Stage Flow Gauge Regulators

Stock Number	Gas	Flow Range	Max. Inlet Pressure	Outlet Connection	Inlet Connection
31-50-580 Single-Stage 31-50-580-6 Single-Stage w/Gas Hose	Argon	10-50 scfh (5-24 lpm)	3000 psig (207 bar)	5/8"-18 RH internal	CGA 580
31-50-320 Single-Stage	CO ₂	10-50 scfh (5-24 lpm)	3000 psig (207 bar)	5/8"-18 RH internal	CGA 320

CRAFTING EXCELLENCE SINCE 1916

Experience cutting, heating and welding like never before with Smith™ – your trusted name for oxy-fuel solutions. Our torches, tips, and regulators redefine industry standards, delivering unmatched performance and durability.

Designed for safety, built for reliability, Smith is the choice for those who demand quality equipment that stands the test of time.



SMITH[™]
Miller

For more information, visit www.me.itwelding.com

© 2025 Miller Electric Mfg. LLC
Smith Equipment, a brand of Miller Electric Mfg. LLC