

Cutting / Welding & Brazing Outfits

Cutting, Welding & Brazing Outfits (NWSA 210)

“Rugged” Star 98® - Heavy Duty

* CUTS UP TO 8” – WELDS UP TO 1”

Star 98® Series Heavy Duty Outfits are designed and built to handle the toughest jobs. The Star 98® features Smith’s rugged heavy, duty nickel plated combination torch covered by Smith’s exclusive “LIFETIME” Warranty. Also features rugged, accurate Smith 1500 Series Brass Regulators with large 2”/2” diameter polished brass gauges. Reverse flow check valves included for added safety. Complete instruction and operation manual.



Part No. STAR98-510

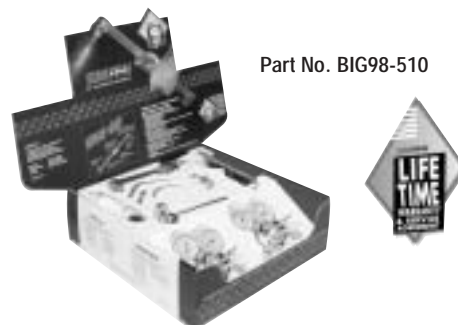
Stock No.	Fuel Gas	Torch Handle	Cutting Attachment	Cutting Tip	Welding Tips	Heating Tip	Oxy Regulator	Fuel Gas Regulator	Accessories
STAR98-510	Acetylene	SW1B	SC209	SC12-1	SW205 SW207	ST603	HB1510-540 CGA 540	HB1521-510 CGA 510	lighter, goggles, 25 ft. 1/4" twin hose
STAR98-300	Acetylene	SW1B	SC209	SC12-1	SW205 SW207	ST603	HB1510-540 CGA 540	HB1520-300 CGA 300	lighter, goggles, 25 ft. 1/4" twin hose
STAR98-510L	Acetylene	SW1B	SC209	SC12-1	SW205 SW207	ST603	HB1510-540 CGA 540	HB1521-510 CGA 510	lighter, goggles
STAR98-300L	Acetylene	SW1B	SC209	SC12-1	SW205 SW207	ST603	HB1510-540 CGA 540	HB1520-300 CGA 300	lighter, goggles

NOTE: Capacity with tips supplied in outfit: cuts up to 3/8", welds up to 3/16"

BIG 98® - Medium Duty

*CUTS UP TO 6” – WELDS UP TO 7/8”

BIG 98® Series Medium Duty Outfits feature quality construction throughout. Torch components are nickel plated and backed by Smith’s exclusive “Lifetime” Warranty and Service Agreement. All BIG 98® outfits feature rugged and reliable Smith 1700 Series Brass Regulators and reverse flow check valves for added safety. Complete instructions and operation manual included.



Part No. BIG98-510

Stock No.	Fuel Gas	Torch Handle	Cutting Attachment	Cutting Tip	Welding Tips	Heating Tip	Oxy Regulator	Fuel Gas Regulator	Accessories
BIG98-510	Acetylene	MW5A	MC509	MC12-0	MW203 MW205	MT603	H1710-540 CGA 540	H1721-510 CGA 510	lighter, goggles, 25 ft. 3/8" twin hose
BIG98-300	Acetylene	MW5A	MC509	MC12-0	MW203 MW205	MT603	H1710-540 CGA 540	H1720-300 CGA 300	lighter, goggles, 25 ft. 3/8" twin hose
BIG98-510L	Acetylene	MW5A	MC509	MC12-0	MW203 MW205	MT603	H1710-540 CGA 540	H1721-510 CGA 510	lighter, goggles
BIG98-300L	Acetylene	MW5A	MC509	MC12-0	MW203 MW205	MT603	H1710-540 CGA 540	H1720-300 CGA 300	lighter, goggles
BIG98-510T	Acetylene	MW5A	MC509	MC12-0	MW205	NONE	H1710-540 CGA 540	H1721-510 CGA 510	lighter, goggles, 25 ft. 3/8" twin hose
BIG98-300T	Acetylene	MW5A	MC509	MC12-0	MW205	NONE	H1710-540 CGA 540	H1720-300 CGA 300	lighter, goggles, 25 ft. 3/8" twin hose
BIG98-510TL	Acetylene	MW5A	MC509	MC12-0	MW205	NONE	H1710-540 CGA 540	H1721-510 CGA 510	lighter, goggles
BIG98-300TL	Acetylene	MW5A	MC509	MC12-0	MW205	NONE	H1710-540 CGA 540	H1720-300 CGA 300	lighter, goggles

NOTE: Capacity with tips supplied in outfit: cuts up to 3/8", welds up to 1/8"

Cutting / Welding & Brazing Outfits

Cutting, Welding & Brazing Outfits (NWSA 210)

SS Series - Heavy Duty

Cuts up to 8" - Welds up to 1"

Smith SS Series Heavy Duty Combination Torch Outfits offer heavy duty performance and excellent economy. The SS Series is available with rugged Heavy Duty Smith HB1500 Series Brass Regulators or economical H1700 Series Medium Duty Regulators. Same Heavy Duty nickel plated combination torch components as the Heavy Duty STAR-98 Series Outfits. Ideal for heavy industrial, farm and maintenance applications. Torch handle and cutting attachment covered by Smith's exclusive "LIFETIME" Warranty. All SS Series Outfits include reverse flow check valves for added safety. Complete operation and instruction manual included with each kit.



Part No.
**SS30-300L /
SS30-510L**

Stock No.	Fuel Gas	Torch Handle	Cutting Attachment	Cutting Tip	Welding/ Brazing Tip	Heating Tip	Oxy Regulator	Fuel Gas Regulator	Accessories
SS25-300L	Acetylene	SW1B	SC209	SC12-1	NONE	NONE	HB1510-540 CGA 540	HB1520-300 CGA 300	NONE
SS25-510L	Acetylene	SW1B	SC209	SC12-1	NONE	NONE	HB1510-540 CGA 540	HB1521-510 CGA 510	NONE
SS30-300L	Acetylene	SW1B	SC209	SC12-1	SW207	ST603	HB1510-540 CGA 540	HB1520-300 CGA 300	NONE
SS30-510L	Acetylene	SW1B	SC209	SC12-1	SW207	ST603	HB1510-540 CGA 540	HB1521-510 CGA 510	NONE
SS30A-300	Acetylene	SW1B	SC209	SC12-1	SW207	ST603	HB1510-540 CGA 540	HB1520-300 CGA 300	lighter, goggles, 25 ft. 3/16" twin hose
SS30A-510	Acetylene	SW1B	SC209	SC12-1	SW207	ST603	HB1510-540 CGA 540	H1521-510 CGA 510	lighter, goggles, 25 ft. 3/16" twin hose
SS31-300L	Acetylene	SW1B	SC209	SC12-1	SW207	NONE	H1710-540 CGA 540	H1720-300 CGA 300	NONE
SS31-510L	Acetylene	SW1B	SC209	SC12-1	SW207	NONE	H1710-540 CGA 540	H1721-510 CGA 510	NONE
SS31A-300	Acetylene	SW1B	SC209	SC12-1	SW207	NONE	H1710-540 CGA 540	H1720-300 CGA 300	lighter, goggles 25 ft. 3/16" twin hose
SS31A-510	Acetylene	SW1B	SC209	SC12-1	SW207	NONE	H1710-540 CGA 540	H1721-510 CGA 510	lighter, goggles 25 ft. 3/16" twin hose
¹ SS630-510L	Acetylene	SW1B	SC209	SC12-1	NONE	NONE	HB1510-540S CGA 540	HB1521-540S CGA 510	Hard Hat Regulator guards
SS25P-510L	Propane	SW1B	SC209	See Note 2	NONE	NONE	HB1510-540 CGA 540	HB1522-510 CGA 510	None

1. SS630-510L boxed components only, (not available in skin packs)
 2. Cutting tip not included in SS25P-510L kit, allows custom selection of tip required for use with any LP fuel gas
- NOTE: Capacity with tips supplied in outfits: cuts to 3/8", welds to 3/16"

Cutting / Welding & Brazing Outfits and The Little Torch

Cutting, Welding & Brazing Outfits (NWSA 210)

MS Series - Medium Duty

Cuts up to 6" – welds up to 3/8"

(Capacity with tips supplied in outfit: cuts up to 3/8", welds up to 3/8")

The MS Series is an outfit in which the craftsman can take pride and the hobbyist confidence. Quality construction and features throughout . . . torch handle and cutting attachment have a corrosion-resistant, bright-nickel finish, solid brass forgings, strong silver-brazed joints, and are covered by Smith's exclusive "LIFETIME" Warranty & Service Agreement. Outfits feature Smith's rugged and reliable H1700 Series Brass Regulators with 2" polished brass gauges. Reverse flow check valves included for added safety. Complete instruction and operation manual included with each outfit.

Part No.
MS31-300L
MS31-510L



Stock No.	Fuel Gas	Torch Handle	Cutting Attachment	Cutting Tip	Welding/ Brazing Tip	Heating Tip	Oxy Regulator	Fuel Gas Regulator	Accessories
MS31-300L	Acetylene	MW5A	MC509	MC12-0	MW205	NONE	H1710-540 CGA 540	H1720-300 CGA 300	NONE
MS31-510L	Acetylene	MW5A	MC509	MC12-0	MW205	NONE	H1710-540 CGA 540	H1721-510 CGA510	NONE
MS31A-510L	Acetylene	MW5A	MC509	MC12-0	MW205	NONE	H1710-540 CGA 540	H1721-510 CGA510	Lighter, goggles,
MS31A-300	Acetylene	MW5A	MC509	MC12-0	MW205	NONE	H1710-540 CGA 540	H1720-300 CGA 300	Lighter, goggles, 25 ft. 3/16" twin hose
MS31A-510	Acetylene	MW5A	MC509	MC12-0	MW205	NONE	H1710-540 CGA 540	H1721-510 CGA 510	Lighter, goggles 25 ft. 3/16" twin hose
MS32-510L	Acetylene	MW5A	MC509	MC12-0	MW205	MT603	H1710-540 CGA 540	H1721-510 CGA 510	NONE
MS32A-510L	Acetylene	MW5A	MC509	MC12-0	MW205	MT603	H1710-540 CGA 540	H1721-510 CGA 510	Lighter, goggles
MS32A-510	Acetylene	MW5A	MC509	MC12-0	MW205	MT603	H1710-540 CGA 540	H1721-510 CGA 510	Lighter, goggles, 25 ft. 3/16" twin hose
MS31P-510L ¹	any LP gas	MW5A	MC509	see note 1	NONE	NONE	H1710-540 CGA 540	H1722-510 CGA 510	NONE

¹ MS31P-510L does not include cutting tip, allows custom selection of cutting tip for use with any LP fuel gas

The Little Torch™

Welds a range of materials. Brazes and solders the tiniest elements, yet produces enough heat to weld steel up to 1/8" thick or melt 3 oz. of silver. Weighing only 1.5 ounces, The Little Torch™ is easily maneuvered in areas impossible to reach with conventional torches. It produces a perfectly controlled, stable flame hot enough to melt commercially weldable metals, glass and ceramics with thread-thin flames up to 6000° F. The Little Torch™ works with any commercially used fuel gas, and its strong, flexible hoses connect to any standard pressure regulator. The optional compressed air or atmospheric air tips provide softer flames and eliminate the need for compressed oxygen. Exclusive heating multi-orifice tips for heating or melting up to 3 oz. of metal.

- 23-1007A** Includes 11-1101C torch, #4 tip, 6' hoses and instruction manual.
- 23-1001B** Includes 11-1101C torch, #2-6 curved tips, 6' hoses and instruction manual. Encased in display box as shown ("B" hose connections fuel 3/8"-18-LH, Oxygen 3/8"-18-RH).
- 23-1001LP** Propane kit with torch, 6' hose and #3-7 tips.
- 23-1012** Includes 11-1101C torch, #2-6 curved tips, 6' hoses and instruction manual.
- 23-1020** Kit includes 11-1111 torch with 12' hoses and #2-6 tips.
- 23-1020LP** Kit with torch, 12' hose and propane #3-7 tips.
- 23-1014** Includes 249-499 preset oxygen regulator, 249-500 preset propane regulator, cylinder holder, 11-1101C torch, #4 tip, 6 ft. hoses and instruction manual. For use with disposable cylinders. Allows maximum portability.



Cutting / Welding & Brazing Outfits

Toughcut™ - Medium Duty

Cuts up to 6" – welds up to 3/8"

Versatile, economical "TOUGH CUT" cutting and welding outfits include many features found on more expensive outfits. With a wide range of outfit configurations available, the TOUGH CUT series is perfect for a multitude of applications. Torch handle and cutting attachment feature a corrosion-resistant, nickel finish. Outfits are available with rugged, reliable Smith H1700 series regulators or economical and compact H1900 series regulators. Each kit includes reverse flow check valves for added safety. Complete operation and instruction manual also included.

Part No.
MS51-510L



Part No.	Fuel Gas	Torch Handle	Cutting Attachment	Cutting Tip	Welding/ Brazing Tip	Heating Tip	Oxy Regulator	Fuel Gas Regulator	Accessories
MS51-300L	Acetylene	CW5A	CC509P	MC12-0	MW205	NONE	H1910-540 CGA 540	H1942-300 CGA 300	NONE
MS51-510L	Acetylene	CW5A	CC509P	MC12-0	MW205	NONE	H1910-540 CGA 540	H1945-510 CGA 510	NONE
MS51A-300	Acetylene	CW5A	CC509P	MC12-0	MW205	NONE	H1910-540 CGA 540	H1942-300 CGA 300	goggles, lighter 20 ft. 3/8" twin hose
MS51A-510	Acetylene	CW5A	CC509P	MC12-0	MW205	NONE	H1910-540 CGA 540	H1945-510 CGA 510	goggles, lighter 20 ft. 3/8" twin hose
MS52-510L	Acetylene	CW5A	CC509P	MC12-0	MW205C*	MT603	H1910-540 CGA 540	H1942-300 CGA 300	NONE
MS52A-510	Acetylene	CW5A	CC509P	MC12-0	MW205C*	MT603	H1910-540 CGA 540	H1942-300 CGA 300	goggles, lighter, 20 ft. 3/8" twin hose
MS52A-510L	Acetylene	CW5A	CC509P	MC12-0	MW205C*	MT603	H1910-540 CGA 540	H1942-300 CGA 300	goggles, lighter
MS54-300L	Acetylene	CW5A	CC509P	MC12-0	MW205	NONE	H1710-540 CGA 540	H1720-300 CGA 300	NONE
MS54-510L	Acetylene	CW5A	CC509P	MC12-0	MW205	NONE	H1710-540 CGA 540	H1721-510 CGA 510	NONE
MS54A-300	Acetylene	CW5A	CC509P	MC12-0	MW205	NONE	H1710-540 CGA 540	H1720-300 CGA 300	goggles, lighter, 20 ft. 3/8" twin hose
MS54A-510	Acetylene	CW5A	CC509P	MC12-0	MW205	NONE	H1710-540 CGA 540	H1721-510 CGA 510	goggles, lighter, 20 ft. 3/8" twin hose

* Copper Section Only

NOTE: Cuts to 3/8", welds to 1/2" with tips included in kits above

Torch Handles & Cutting Accessories

Lifetime Torch Handles (NWSA 220)
Heavy Duty Silver Star® - SW Series

SW1B High Volume Torch Handle

Rugged torch handle for high volume heating tips and general purpose welding, brazing and cutting. Features rugged silver brazed construction, forged brass butt, solid brass seat, and fluted easy grip handle. Needle valves are ball type for positive seat and accurate flame control; guards against uneven valve wear to assure safer, longer trouble-free operation. Has TEFLON® packing for excellent flow control. Replaceable inlet connections fit "B" size hose nuts, 3/8" -18 right and left hand. Covered by the LIFETIME Warranty & Service Agreement. Cuts up to 8", welds up to 1".

USED WITH: Cutting Attachments - SC209, SC200, SC205, SC509.

Welding Tips - SW200 & 400 Series. Heating Tips - ST600 Series.



SW1B
Length 7 1/2" / Weight 17 3/4 oz.
Handle Diameter 1"

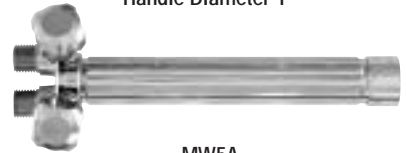
Medium Duty Pipeliner - MW Series

MW5A Pipeliner Torch Handle

Easy handling, high quality mid-size torch handle. Handles all but the highest volume heating and heaviest welding needs. Features rugged silver brazed construction, forged brass butt and precision machined brass head. Ball type needle valves reduce uneven valve wear and provide easy flame adjustment. Inlet connections, 3/8"-18 right, left hand, fit "B" size hose nuts. Cuts up to 6", welds up to 3/8". Covered by the LIFETIME Warranty & Service Agreement.

USED WITH: Cutting Attachments - MC505, MC509.

Welding Tips - MW200 and MW400 Series. Heating Tips - MT600 Series.



MW5A
Length 7" / Weight 14 oz.
Handle Diameter 1 5/8"

CW5A
Length 7" / Weight 14 oz.
Handle Diameter 1 5/8"
(1 Yr. Warranty)

Light Duty Airline™ - AW Series

AW1A Airline Torch Handle

Specially designed to handle light duty welding, brazing, cutting and fabricating. Lightweight and compact size provide easy handling, even in confined areas. Needle valves located at front end for easy one-hand flame adjustment. Inlet connections 3/8"-24 right and left hand, fit "A" size hose nuts. Cuts up to 3", welds up to 1/2". Covered by the LIFETIME Warranty & Service Agreement.

USED WITH: Cutting Attachments - AC309. Welding Tips - AW200 Series, AW400 Series.

Heating Tip - AT600 Series. Twin Flame Tip - AT600.



AW1A
Length 5 3/4" / Weight 6 1/2 oz.
Handle Diameter 1 1/8"

AW10A Airline High Volume Torch Handle

New, larger size Airline torch handle provides increased gas flow. Ball type valves provide fine flame adjustment. Long valve thread engagement in Teflon packing prevents flame fluctuation and stops valve wobble. Inlet connections, 3/8"-18 right and left hand, fit "B" size hose nuts. Cuts up to 3", welds up to 1/2". Covered by the LIFETIME Warranty & Service Agreement.

USED WITH: Cutting Attachments - AC309. Welding Tips - AW200 Series.

Heating Tips - AT600 Series. Twin Flame Tip - AT600.



AW10A
Length 6 3/4" / Weight 14 oz.
Handle Diameter 1 5/8"

Cutting Attachments

Silver Star - SC200 Series Heavy Duty

Quickly converts Silver Star torch handles into efficient cutting torches. Cuts up to 8" thick steel in one pass. Solid silver brazed construction. Features "O" ring seating, special FLO-TROL™ safety protection and easy-to-change slip-in Graf-Tite™ cutting tips with cost saving soft-seats. Covered by the LIFETIME Warranty & Service Agreement.

Use with any industrial medium pressure fuel gases — acetylene, propane, butane, natural gas, propylene, HPG®, MAPP®, and many others. Select from over 70 tips available for the Silver Star cutting attachments.

USED IN: Torch Handle - SW1B.

SC500 Sidewinder Series

"Sidewinder" cutting attachment has oxygen preheat control valve on left side. Has same quality construction and features as SC209. Covered by the LIFETIME Warranty & Service Agreement.

USE IN: Torch Handle - SW1B



SC209
Length 12 1/2"
Weight 1 lb. 14 oz.



SC509 "Sidewinder"
Length 14 3/4"
Weight 1 lb. 14 oz.

Use SC200 & 500 Attachment, G900-41A Tip Nut, LW15 O-Ring

Part No.	Style	Head Angle	
SC200	STD	180°	Oxygen/Acetylene: SC10-0 thru SC10-4, SC12-000 thru SC12-5, SC56-00 thru SC56-5
SC205	STD	75°	Oxygen/Propane Oxygen/Propane Based: SC40-0 thru SC40-5, SC46-1 thru SC46-5, SC50-00 thru SC50-5, SC2-2 thru SC2-6, SC47-4P
SC209	STD	90°	Oxygen/Propylene: SC46-1P thru SC46-5P, SC60-0 thru SC60-5, SC2-2 thru SC2-6, SC47-4P Oxygen/MAPP: SC90-0 thru SC90-5, SC56-1 thru SC56-5
SC509	Sidewinder	90°	SC Series Special Purpose Tips except SC110, SC112

Cutting Attachments

Lifetime Cutting Attachments (NWSA 220) Medium Duty Cutting Attachments

Pipeliner - MC500 Series Medium Duty

Popular medium duty cutting attachment easily cuts up to 6" steel. Solid construction to last a lifetime - silver brazed joints, stainless steel tubes, brass forged butt and head. Has the same quality features and construction as the larger and heavier Silver Star attachment. Exclusive FLO-TROL™ protects the oxygen cutting valve seat against seat-burnout, a common problem with competitive cutting attachments. Covered by the LIFETIME Warranty & Service Agreement.

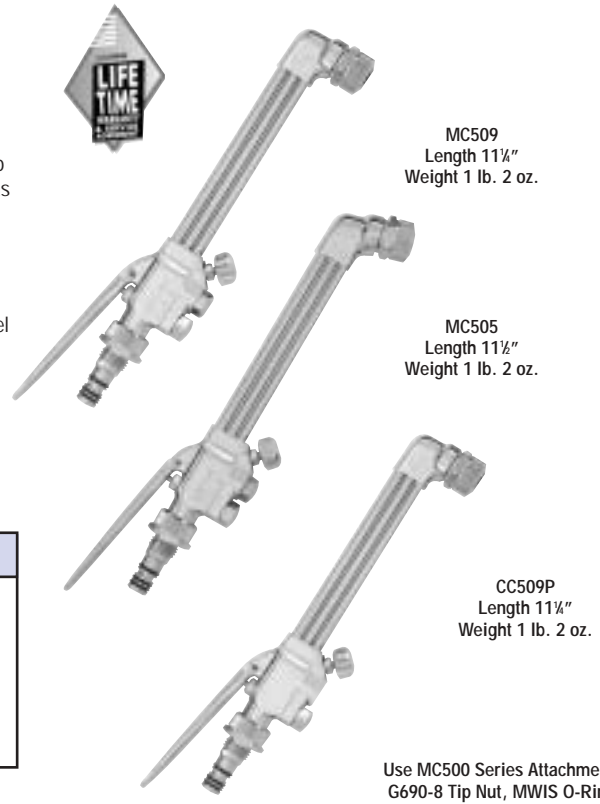
Use this cutting attachment with any commonly available industrial medium pressure fuel gases: acetylene, propane, propylene, MAPP, Natural Gas and other alternative gases. Cutting tips feature Smith's in-tip mix, slip-in design for quick changing and the replaceable soft seat design used in the larger "SC" series cutting tips.

USE IN: Torch Handle - MW5A.

Part No.	Head Angle	
MC505	75°	Oxygen/Acetylene: MC12-00 thru MC12-4 Oxygen/Propane Oxygen/Propane Based: MC40-0 thru MC40-4 Oxygen/Propylene: MC60-0 thru MC60 Oxygen/MAPP: MC90-0 thru MC90-3 MC Series Special Purpose Tips
MC509	90°	
CC509P ^{1,2}		

¹ FLO-TROL™ valve not included on CC509P.

² 1-year warranty (Lifetime Warranty not included.) on CC509P.



Use MC500 Series Attachment, G690-8 Tip Nut, MWIS O-Ring

Light Duty Cutting Attachments

Airline - AC300 Series Light Duty

Fits into AW1A torch handle to form a small light weight cutting torch with cutting capacity up to 3" steel. Has same quality construction and features built into each Smith cutting attachment. Covered by the LIFETIME Warranty & Service Agreement.

USE IN: Torch Handles - AW1A, AW10A.

Stock No.	Head Angle	
AC309	90°	Oxygen/Acetylene: MC12-00 thru MC12-4 Oxygen/Propane Oxygen/Propane Based: MC40-0 thru MC40-4 Oxygen/Propylene: MC60-0 thru MC60-4 Oxygen/MAPP: MC90-0 thru MC90-3 MC Series Special Purpose Tips



Lifetime Cutting Torches (NWSA 220)

Heavy Duty Cutting Torches

Silver Star® - SC200 Series

Cuts Up To 12"

Silver Star cutting torches feature solid construction and top handling ease for hundreds of jobs in metal working, fabricating, shipyards, salvage and other related industries. Silver brazed joints throughout. Head and butt are machined from dense brass forgings. Ball style control valves provide positive gas shut-off. Covered by the LIFETIME Warranty & Service Agreement.

- 3 tube "in-tip" mix design keeps gases separated until reaching the tip
- 12" cutting capacity
- Reversible lever, "over" or "under" position
- Uses "Soft Seat" Graf-Tite™ cutting tips
- Replaceable hose connections
- Wide array of cutting, gouging and specialty tips
- Versatile — for use with acetylene, propane, propylene, MAPP® and many other gases
- "Ease-on" cutting jet action reduces tip-clogging slag blow-back in piercing operations
- 100% tested and inspected



SC229
Length 20 ½"
Weight 2 ½ lbs.



SC220
Length 21"
Weight 3 lbs.



SC229S
Length 20 ½"
Weight 2 lbs. 14 oz.
Rugged Duty Tuf-Tony Head

Extra-Long or Short Torches

Smith offers a wide range of cutting torches to meet specific needs.

Standard sizes include: 17", 36", 48", 60", and 72" lengths.

Contact customer service for availability of other lengths.

Rugged Duty Head Torch

Standard length (20 ½") SC200 series heavy duty torch with forged manganese bronze head to withstand unusually severe use.

Choice of 75° or 90° head. Special 45° head available in 36" length.

Part No.	Head Angle	Length	
SC175	75°	17"	Oxygen/Acetylene: SC10-0 thru SC10-4, SC12-000 thru SC12-7, SC56-00 thru SC56-6 Oxygen/Propane Oxygen/Propane Based: SC40-0 thru SC40-6, SC46-1 thru SC46-6, SC50-00 thru SC50-6 Oxygen/Propylene: SC46-1P thru SC46-5P SC60-0 thru SC60-5, SC47-4P, SC2-2 thru SC2-6 Oxygen/MAPP: SC90-0 thru SC90-6, SC56-00 thru SC56-6 Special Purpose Tips All medium pressure "SC" series Special Purpose Tips may be used.
SC179	90°	17"	
SC220	180°	21"	
SC225	75°	20 ½"	
SC229	90°	20 ½"	
SC360	180°	36"	
SC365	75°	36"	
SC369	90°	36"	
SC225S*	75°	20 ½"	
SC229S*	90°	20 ½"	

* "S" on part number denotes Tuf-Tony™ manganese bronze torch head.

NOTE: Torches over 48" of length, one year warranty only.

Above Torches Use G900-41A Tip Nut

Cutting Tips

"SC" Series Cutting Tips

Smith's cutting tips are swaged from high quality copper to assure smoothest possible gas passages and fastest, most efficient cutting. All Smith cutting tips feature the slip-in design that hand-tightens to form a perfect, positive seal, protected recessed heat resistant seats and the extra safety of in-tip mixing.

Replacement seats G931 (high pressure); G932 (low pressure)

Hand Cutting Torches		Machine Cutting Torches		Cutting Attach.
Silver Star	Tuf-Tony	3-Hose	2-Hose	Silver Star
SC229	SC729	SC780A	SC770	SC209, 200
SC229S	SC725	SC781A	SC771	SC205
SC225	SC739	SC782A		SC509
SC225S	SC735			

Cutting Range	Acetylene			2-piece tips Propane			2-piece tips Propylene	2-piece tips MAPP®	
	4 Pre-heats	6 Pre-heats	Heavy Preheat	Medium Preheat	Heavy Preheat	Hi Speed Mach. Cut.	Medium Preheat	Heavy Preheat	Medium Preheat
Up to 1/8"		SC12-000							
Up to 3/16"		SC12-00	SC56-00		SC50-00		SC60-00	SC56-00	SC90-00
1/4"-3/8"	SC10-0	SC12-0	SC56-0	SC40-0	SC50-0	SC21A-1 (1/4"-3/8")	SC60-0	SC56-0	SC90-0
1/2"-5/8"	SC10-1	SC12-1	SC56-1	SC40-1	SC50-1	SC21A-2 (1/2"-1")	SC60-1	SC56-1	SC90-1
3/4"-1 1/4"	SC10-2	SC12-2	SC56-2	SC40-2	SC50-2	SC21A-3 (1 1/4"-1 1/2")	SC60-2	SC56-2	SC90-2
1 1/2"-2"	SC10-3	SC12-3	SC56-3	SC40-3	SC50-3	SC21A-4 (2"-2 1/2")	SC60-3	SC56-3	SC90-3
2 1/2"-4"	SC10-4	SC12-4	SC56-4	SC40-4	SC50-4	SC21A-5 (3"-4")	SC60-4	SC56-4	SC90-4
5"-8"		SC12-5	SC56-5	SC40-5	SC50-5		SC60-5	SC56-5	SC90-5
9"-12"		SC12-6	SC56-6		SC50-6		SC60-6	SC56-6	SC90-6
13"-14"		SC12-7	SC56-7		SC50-7			SC56-7	
15"-18"			SC56-8		SC50-8			SC56-8	
19"-20"			SC56-9		SC50-9			SC56-9	
21"-24"			SC56-9					SC56-9	



SC10 Series



SC12 Series



SC40 Series



SC56 Series



MC40 Series



Gouging SC13-1



Rivet Cutting SC14-3



Rivet Cutting SC24-3



Rivet Blowing and Metal Washing SC15-2



Plate Cutting SC17-0

"MC" Cutting Tips

Smith's "MC" cutting tips have the same high quality construction and features of the larger, heavier duty "SC" series tips. Replacement seats G695 (high pressure), G694 (low pressure)

Cutting Attachments		Cutting Range	Acetylene 6 Pre-heats	2-piece tips	2-piece tips	2-piece tips
MC509	AC309			Propane Medium Preheat	Propylene Medium Preheat	MAPP® Medium Preheat
MC505		Up to 3/16"	MC12-00		MC60-00	
CC509P		1/4"-3/8"	MC12-0	MC40-0	MC60-0	MC90-0
		1/2"-5/8"	MC12-1	MC40-1	MC60-1	MC90-1
		3/4"-1 1/4"	MC12-2	MC40-2	MC60-2	MC90-2
		1 1/2"-2"	MC12-3	MC40-3	MC60-3	MC90-3
		2 1/2"-4"	MC12-4	MC40-4	MC60-4	
		5"-6"	MC12-5			

Special Purpose Tips - "SC" AND "MC"

Application	Capacity	SC209	SC229	SC225	SC729	SC739	MC509	AC309
		SC205	SC229S	SC225S	SC725	SC735	MC505	
		Acetylene	Propane	MAPP®	Acetylene			
	1/8" D x 1/4" W	SC13-1						
Gouging	1/4" D x 3/8" W	SC13-3	SC23-3	SC23-3M			MC13-3	
	3/8" D x 1/2" W	SC13-5	SC23-5	SC23-5M				
Rivet Cutting	3/4" Rivets						MC14-1	
	1 1/2" Rivets	SC14-3						
Rivet Blowing & Metal Washing	3/8"-1/2"	SC15-2						
Plate Cutting	3/8"	SC17-0					MC17-0	
Heating	123,000 BTU	SC110*						

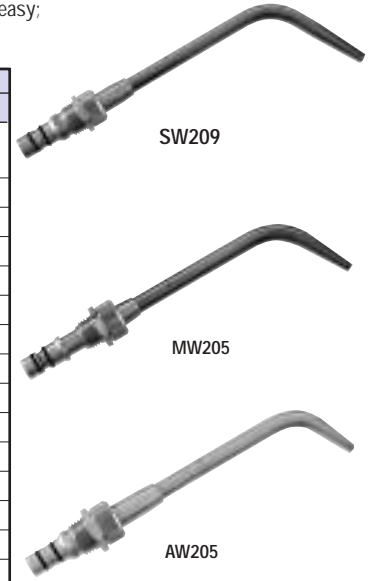
* For use with straight cutting torches only

Welding and Brazing Tips

Exclusive Soft-Flame Welding and Brazing Tips

Smith's "Soft-Flame" welding and brazing tips provide concentrated heat for better "puddle" control - the turbulent-free flame eliminates puddle chasing for higher quality welding. The heavy wall copper gives greater resistance to reflected heat, permits cooler operation, and dissipates more heat than thin wall copper. Smith's Slip-In tip design makes tip change quick and easy; takes just seconds, hand-tightened, no wrench necessary.

Welding Range (Metal Thickness)	Use in SW1B		Use in MW5A		Use in AW1A, AW10A	
	Acetylene	Propane	Acetylene	Propane	Acetylene	Propane
UP TO					AW200, AW20	
1/32"					AW201	
1/16"	SW201		MW201		AW201	
5/64"	SW202	SW403	MW202	MW403	AW202	AW403
3/32"	SW203		MW203		AW203	
1/8"	SW204		MW204		AW204	
5/32"	SW205	SW405	MW205	MW405	AW205	AW405
3/16"	SW206		MW206		AW206	
1/4"	SW207		MW207	MW407	AW207	AW407
5/16"	SW208		MW208		AW208	
3/8"	SW209	SW409	MW209	MW409	AW209	
1/2"	SW210		MW210		AW210	
5/8"	SW211			MW411		
7/8"	SW212					
1" and over	SW213, SW214					
Repl. O-Ring	LW15		MW15		AW15	



Heating Tips

Fast, efficient "Smith" high capacity heating tips save money and reduce labor. Superior design provides high volume heat for bending, straightening, pre-heating, brazing, shrinking and more. Use recommended pressures with adequate gas supply for best performance. **Manifolding cylinders may be required for safe and efficient operation of larger heating tips. Acetylene must not be withdrawn at more than 1/7 of cylinder capacity per hour.**

	Stock No.	Use in Torch Handles	Use with Fuel Gas	Average	
				BTU's Output	
Replacement O-Rings	LW15	SW1B	Acetylene	ST602	40,125
				ST603	71,750
				ST605	124,670
				ST610	194,890
				ST615	244,000
				ST625	455,000
				ST815	421,000
				ST635	614,195
				ST825	865,000
MW15	MW5A and CW5A	Acetylene	MT603	40,125	
			MT605	73,085	
			MT610	128,970	
			MT615	244,000	
			MT810	121,500	
			MT815	421,000	
AW15	AW1A and AW10A	Acetylene	AT603	24,500	
			AT605	41,550	
			AT615	37,100	

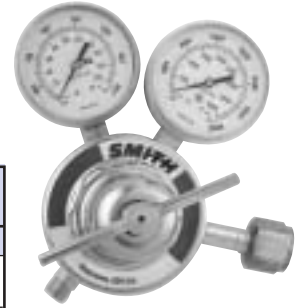


* May also be used for natural gas or propylene - BTU output will vary.
 ** May also be used for natural gas - BTU output will vary.
 † May also be used for propylene - BTU output will vary.

Regulators / Flowmeter

Regulators/Flowmeters (NWSA 230) Heavy Duty Brass HB1500 Series

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 provide longer trouble-free operation.



H190 "Hard Hat"[™]
shown with HB1500 series
regulator

Part Number	Gas Used	Delivery Pressure	Gauges (2 1/2" Dia.)		Inlet Connection	Outlet Connection	Max Inlet Pressure
			Inlet	Outlet			
Oxygen Regulators							
HB1510-540	Oxygen	0-150 PSIG 0-1000 KPa	4000 PSIG 28000 KPa	200 PSIG 1400 KPa	CGA 540	3/8"-18 RH "B"	3000 PSIG
HB1510-540S ²	Oxygen	0-150 PSIG 0-1000 KPa	4000 PSIG 28000 KPa	200 PSIG 1400 KPa	CGA 540	3/8"-18 RH "B"	3000 PSIG
HB1511-540	Oxygen	0-275 PSIG 0-1900 KPa	4000 PSIG 28000 KPa	400PSIG 2800 KPa	CGA 540	3/8"-18 RH "B"	3000 PSIG
Acetylene Regulators							
HB1520-300	Acetylene	0-15 PSIG	400 PSIG 2800 KPa	30 PSIG 200 KPa	CGA 300	3/8"-18 LH "B"	400 PSIG
HB1520-300S ²	Acetylene	0-100 KPa	400 PSIG 2800 KPa	30 PSIG 200 KPa	CGA 300	3/8"-18 LH "B"	400 PSIG
HB1521-510	Acetylene	0-100 KPa	400 PSIG 2800 KPa	30 PSIG 200 KPa	CGA 510	3/8"-18 LH "B"	400 PSIG
HB1521-510S ²	Acetylene	0-100 KPa	400 PSIG 2800 KPa	30 PSIG 200 KPa	CGA 510	3/8"-18 LH "B"	400 PSIG
Propane, Natural Gas and Other Fuel Gas Regulators							
HB1522-510	Fuel Gas	0-50 PSIG 0-350 KPa	400 PSIG 2800 KPa	60 PSIG 400 KPa	CGA 510	3/8"-18 LH "B"	400 PSIG
HB1522-510S ²	Fuel Gas	0-50 PSIG 0-350 KPa	400 PSIG 2800 KPa	60 PSIG 400 KPa	CGA 510	3/8"-18 LH "B"	400 PSIG
Other Gases							
HB1530-580	Nitrogen	0-275 PSIG 0-1900 KPa	4000 PSIG 28000 KPa	400 PSIG 2800 KPa	CGA 580	3/8"-18 RH Internal	3000 PSIG
HB1533-320 ¹	CO ₂	0-150 PSIG 0-1000 KPa	4000 PSIG 28000 KPa	200 PSIG 1400 KPa	CGA 320	3/8"-18 RH Internal	3000 PSIG

¹ Flows above 100 SCFH CO₂ require minimum 80 PSIG outlet and heat may be needed to prevent freeze-up.

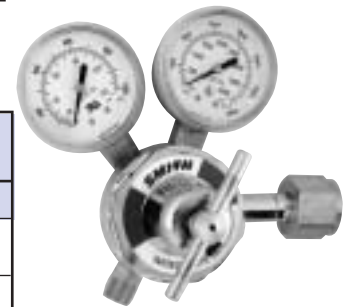
² Includes HB190 "Hard Hat"[™] Gauge Guard.

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

Medium Duty Brass H1700 Series

H1700 Series Brass Regulators provide durability for service in corrosive environments. Color-coded bonnet labels make gas service identification easy. Features extra sensitive Neoprene diaphragm for quick response to changes in pressure.

Part Number	Gas Used	Delivery Pressure	Gauges (2" Dia.)		Inlet Connection	Outlet Connection	Max Inlet Pressure
			Inlet	Outlet			
Oxygen Regulators							
H1710-540	Oxygen	0-100 PSIG 0-700 KPa	4000 PSIG 28000 KPa	150 PSIG 1000 KPa	CGA 540	3/8"-18 RH "B"	3000 PSIG
H1740-540	Oxygen	0-20 PSIG 0-100 KPa	4000 PSIG 28000 KPa	30 PSIG 200 KPa	CGA 540	3/8"-18 RH "B"	3000 PSIG
Acetylene Regulators							
H1720-300	Acetylene	0-15 PSIG 0-100 KPa	400 PSIG 2800 KPa	30 PSIG 200 KPa	CGA 300	3/8"-18 LH "B"	400 PSIG
H1721-510	Acetylene	0-15 PSIG 0-100 KPa	400 PSIG 2800 KPa	30 PSIG 200 KPa	CGA 510	3/8"-18 LH "B"	400 PSIG
Propane, Natural Gas and Other Fuel Gas Regulators							
H1722-510	Fuel Gas	0-50 PSIG 0-350 KPa	400 PSIG 2800 KPa	60 PSIG 400 KPa	CGA 510	3/8"-18 LH "B"	400 PSIG
Other Gases							
H1730-580	Argon/ Nitrogen	0-100 PSIG 0-700 KPa	4000 PSIG 28000 KPa	150 PSIG 1000 KPa	CGA 580	3/8"-18 RH Internal	3000 PSIG
H1733-320 ¹	CO ₂	0-100 PSIG 0-700 KPa	4000 PSIG 28000 KPa	150 PSIG 1000 KPa	CGA 320	3/8"-18 RH Internal	3000 PSIG
H1732-350	Hydrogen/ Methane	0-100 PSIG 0-700 KPa	4000 PSIG 28000 KPa	150 PSIG 1000 KPa	CGA 350	3/8"-18 LH "B" Internal	3000 PSIG



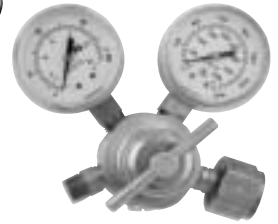
H195 "Hard Hat"[™]
Gauge/Regulator Guards

¹ Flows above 100 SCFH CO₂ require minimum 80 PSIG outlet and heat may be needed to prevent freeze-up.

Regulators / Flowmeters & Regulator Twin Packs

Regulators/Flowmeters (NWSA 230) Standard Duty Brass H1900 Series

Economical, compact single stage design provides efficient and dependable control of gases. H1980 series regulators are engineered to maximize performance and fine flame adjustment of Handi-Heat™ air/fuel soldering and heating torches.



**H195 "Hard Hat"™
Gauge/Regulator Guards**

Part Number	Gas Used	Delivery Pressure	Gauges (2" Dia.)		Inlet Connection	Outlet Connection	Max Inlet Pressure
			Inlet	Outlet			
Oxygen Regulators							
H1910-540	Oxygen	0-75 PSIG 0-500 KPa	4000 PSIG 28000 KPa	150 PSIG 1000 KPa	CGA 540	½"-18 RH "B"	3000 PSIG
H1940-540	Oxygen	0-20 PSIG 0-100 KPa	4000 PSIG 28000 KPa	30 PSIG 200 KPa	CGA 540	½"-18 RH "B"	3000 PSIG
H1947-540	Oxygen	0-20 PSIG 0-100 KPa	4000 PSIG 28000 KPa	30 PSIG 200 KPa	CGA 540	¾"-24 RH "A" "B"	3000 PSIG
H1911-540	Oxygen	0-125 PSI 0-830 KPa	4000 PSIG 28000 KPa	400 PSI 2800 KPa	CGA 540	½"-18 RH "B"	3000 PSIG
Acetylene Regulators							
H1941-520	Acetylene	0-15 PSIG 0-100 KPa	400 PSIG 2800 KPa	30 PSIG 200 KPa	CGA 520	½"-18 LH "B"	400 PSIG
H1942-300	Acetylene	0-15 PSIG 0-100 KPa	400 PSIG 2800 KPa	30 PSIG 200 KPa	CGA300	½"-18 LH "B"	400 PSIG
H1944-200	Acetylene	0-15 PSIG 0-100 KPa	400 PSIG 2800 KPa	30 PSIG 200 KPa	CGA 200	½"-18 LH "B"	400 PSIG
H1945-510	Acetylene	0-15 PSIG 0-100 KPa	400 PSIG 2800 KPa	30 PSIG 200 KPa	CGA 510	½"-18 LH "B"	400 PSIG
H1946-200	Acetylene	0-15 PSIG 0-100 KPa	4000 PSIG 28000 KPa	30 PSIG 200 KPa	CGA 200	¾"-24 LH "A"	400 PSIG
H1983-520 ¹	Acetylene	0-15 PSIG 0-100 KPa	400 PSIG 2800 KPa	N/A	CGA 520	½"-18 LH "B"	400 PSIG
Propane, Natural Gas and Other Fuel Gas Regulators							
H1943-350	Hydrogen	0-15 PSIG 0-100 KPa	4000 PSIG 28000 KPa	30 PSIG 200 KPa	CGA 350	½"-18 LH "B"	3000 PSIG
H1945-510	LP/ Acetylene	0-15 PSIG 0-100 KPa	4000 PSIG 28000 KPa	30 PSIG 200 KPa	CGA 510	½"-18 LH "B"	400 PSIG
H1982-510 ¹	LP	0-15 PSIG 0-100 KPa	400 PSIG 2800 KPa	N/A	CGA 510	½"-18 LH "B"	400 PSIG
Inert, Argon/Nitrogen/CO₂							
H1931-580	Argon/ Nitrogen/ Inert	0-125 PSIG 0-830 KPa	4000 PSIG 28000 KPa	400 PSIG 2800 KPa	CGA 580	½"-18 RH Internal	3000 PSIG
H1933-320	CO ₂	0-100 PSIG 0-700 KPa	4000 PSIG 28000 KPa	150 PSIG 1000 KPa	CGA 320	½"-18 RH Internal	3000 PSIG
H1932-320	CO ₂	0-50 PSI 0-350 PSI	4000 PSIG 28000 KPa	150 PSIG 1000 KPa	CGA 320	½"-18 RH Internal	3000 PSIG

¹ Single gauge regulator for air/fuel applications (not for use with oxy/fuel torches)



H1900 Series Regulator Twin Packs

FEATURE BENEFITS: Solid Brass Industrial Construction, Durable Teflon® High Pressure Seat, Corrosion Resistant Brass Gauges, Convenient & Economical "Twin Pack" - 100% TESTED AND INSPECTED

HTP1	H1940-540 Delivery Press: 0-20 PSIG	Inlet Connection: CGA 540	Oxygen	H1945-510 Delivery Press: 0-15 PSIG	Inlet Connection: CGA 510	Fuel Gas: LP/Acetylene
HTP2	H1910-540 Delivery Press: 0-75 PSIG	Inlet Connection: CGA 540	Oxygen	H1945-510 Delivery Press: 0-15 PSIG	Inlet Connection: CGA 510	Fuel Gas: LP/Acetylene
HTP3	H1910-540 Delivery Press: 0-75 PSIG	Inlet Connection: CGA 540	Oxygen	H1944-200 Delivery Press: 0-15 PSIG	Inlet Connection: CGA 200	Fuel Gas: Acetylene
HTP4	H1940-540 Delivery Press: 0-20 PSIG	Inlet Connection: CGA 540	Oxygen	H1944-200 Delivery Press: 0-15 PSIG	Inlet Connection: CGA 200	Fuel Gas: Acetylene
HTP5	H1910-540 Delivery Press: 0-75 PSIG	Inlet Connection: CGA 540	Oxygen	H1942-300 Delivery Press: 0-15 PSIG	Inlet Connection: CGA 300	Fuel Gas: Acetylene

Regulators / Flowmeters

Regulators/Flowmeters (NWSA 230)

Single Stage Flowmeter Regulators

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.

H1950 Series Single Stage Flowmeter Regulators-Lexan™ Flow Tube

Stock No.	Gas Used	Flow Range	Preset Delivery Pressure	Flowmeter	Inlet Connection	Outlet Connection	Maximum Inlet Pressure
H1950-580	Argon or CO ₂	0-80 SCFH	80 PSIG	H1103	CGA 580	3/8" - 18 RH Internal	3000 PSIG
H1955-320	Argon or CO ₂	0-80 SCFH	80 PSIG	H1103	CGA 320	3/8" - 18 RH Internal	3000 PSIG
H1951-580	Argon	0-60 SCFH	30 PSIG	H1104	CGA 580	3/8" - 18 RH Internal	3000 PSIG
*H1954-580 "Select-O-Gas"	Argon/CO ₂	0-60 SCFH	30 PSIG	H1230	CGA-580	3/8" - 18 RH Internal	3000 PSIG
	Helium	0-190 SCFH	30 PSIG	H1230	CGA-580	3/8" - 18 RH Internal	3000 PSIG
	General/ Any Gas	0-10 Range	30 PSIG	H1230	CGA-580	3/8" - 18 RH Internal	3000 PSIG



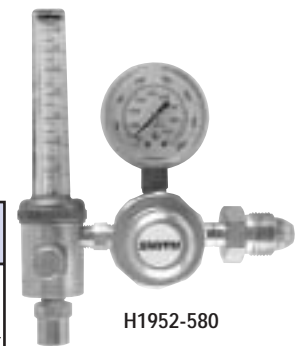
H1950-580

For Regulator/Hose Pak with 6' hose, add -H to stock number.

SELEC-O-GAS™ Regulator

Does the jobs of more than 4 common flowmeters. Has 4 separate scales: ARGON, CO₂, HELIUM and GENERAL. "General" scale can be used for any non-corrosive gas . . . conversion chart supplied with regulator.

Part No.	Gas Used	Flow Range	Preset Delivery Pressure	Flowmeter	Inlet Connection	Outlet Connection	Maximum Inlet Pressure
H1952-580 Selec-O-Gas™	Helium	0-200 SCFH	50 PSIG	CF-4000 RH	CGA-580	3/8" - 18 RH Internal	3000 PSIG
	Argon	0-70 SCFH					
H1956-320 Selec-O-Gas™	CO ₂	0-60 SCFH	50 PSIG	CF-4000 RH	CGA-320	3/8" - 18 RH Internal	3000 PSIG
	Argon	0-70 SCFH					



H1952-580

Economy 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/CO₂, and has a packless O-ring flow tube seal which reduces maintenance. Precision flow adjustment valve locks flow at desired setting. Regulator features 3-year warranty.

Stock No.	Gas Used	Flow Range	Preset Delivery Pressure	Inlet Connection	Outlet Connection	Maximum Inlet Pressure
H2051-580	Argon/CO ₂ Argon, Helium	0-50 SCFH	30 PSIG	CGA 580	3/8" - 18 RH Internal	3000 PSIG



H2051-580

For Regulator/Hose pack with 10' hose, add -H to stock number.

Weldit



The Original Gas Saving Method of Cutting Production Cost

Oxygen and acetylene consumption cut up to 25 or 30 percent. Many users consider the increase in working operations soon pays for the small cost of the Gasaver. Used by America's largest production plants. Listed as standard by Underwriters Laboratory and the New York City Board of Standards and Appeals.

WEL-W-100 Model M Oxy/MAPP Gasaver

Now the original Weldit gas saving method is available for MAPP and oxygen use. Standard Model "E" Gasaver but uses the W-1740 MAPP pilot assembly.

WEL-W-101 Model E Oxy/Acet. Gasaver

For general use on all types of acetylene and oxygen operations. Gasavers can be installed in any convenient location—on the line between regulators and torch—the closer the torch, the greater the savings in oxygen and acetylene.

WEL-W-102 Model EI Inert Gas/Water Gasaver

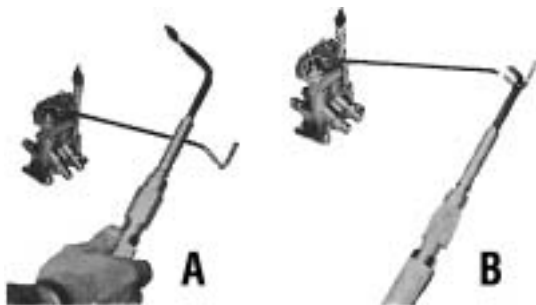
Positive shut off of gas and water for inert arc-welding operations. Equipped with standard water connections.

WEL-W-103 Model ELP Oxy/LP Fuel Gasaver

Equipped with separate fuel inlet for use with low pressure fuel gas with injector type torches, you must use a separate source of high pressure pilot gas with this model. Normally supplied with W1508 Propane pilot light. Pilots for other gases available upon request.

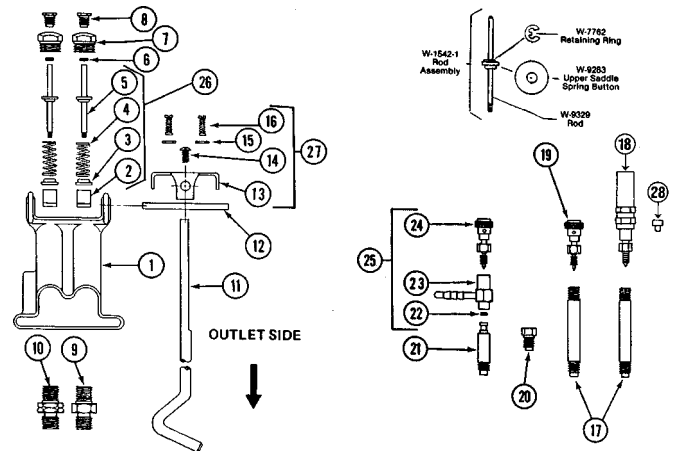
WEL-W-104 Model P Oxy/Propane Gasaver

Standard gasaver equipped with W1508 pilot light for use with propane or natural gas at 2 psi or more.



"A" – Shows the ignited torch about to be hung on the lever rod of the Gasaver.

"B" – When the torch is hung in place, the flame is automatically extinguished. To relight, pick torch off lever rod and pass over pilot light which instantly ignites it to predetermined flame.



Reference Number	Part Number	Description	Quantity Needed
1	WEL-W-9303	Body	1
2	WEL-W-8446	Seat	2
3	WEL-W-9328	Lower Saddle Spring Button	2
4	WEL-W-7809	Spring	2
5	WEL-W-1542	Rod Assembly, Plunger	2
6	WEL-LP-112	O-Ring	2
7	WEL-W-6183	Plunger Rod Bushing	2
8	WEL-W-6045	Packing Nut	2
9	WEL-103-0024	Oxygen Inlet/Outlet	2
	WEL-103-0128	Water Inlet/Outlet	2
10	WEL-103-0025	Gas Inlet/Outlet	2
	WEL-103-0127	Inert Inlet/Outlet	2
11	WEL-W-9286	Lever	1
12	WEL-W-9315	Pinion Rod	1
13	WEL-W-8805	Saddle	1
14	WEL-W-7730	Lever Rod Lock Screw	1
15	WEL-W-7887	Adjusting Screw Lock Nut	2
16	WEL-W-7736	Adjusting Screw	2
17	SMT-15163	Pilot Light Tube	1
18	WEL-W-1740	Pilot - MAPP - W-100	1
19	WEL-W-1507	Pilot Light - Acetylene - W-101	1
	WEL-W-9324	Lava Pilot Light Tip	1
20	WEL-W-6232	Plug for W-102	1
21	WEL-W-6702	Pilot Base for W-103	1
22	WEL-W-7738	Set Screw for W-103	1
23	WEL-W-1506	Pilot Adapter W-103	1
24	WEL-W-1508	Pilot Light, Natural Gas W-103; W-104	1
25	WEL-W-1533	Pilot Light Assembly for W-103	1
26	WEL-W-1566	Plunger Assembly	1
27	WEL-W-10005	Saddle Assembly	1
28	WEL-LP-607-1	Orifice	1

150 Amp Tig Torch & Accessories

KG PRODUCTS



The 150 amp, gas-cooled TIG torch is for medium duty applications that use up to 150 amp AC or DC straight polarity. This torch has a separate gas hose and power cable, either can be replaced or repaired independent of each other, reducing maintenance costs.

Ordering Information

Outfits: Torch with valve assembly, valve plug, three size backcaps; alumina nozzles (1/4" & 3/8") and collets (.040", 1/16", 3/32").

Outfits



Part No.	Description
1172A	150 amp, Vis-Arc II, 12-1/2' gas hose and power cable
1173A	With 25' gas hose and power cable
1174	150 amp, Vis-Arc III, 12-1/2' gas hose and power cable
1175	With 25' gas hose and power cable

Assemblies

Part No.	Description
1176A	150 amp, Vis-Arc II, 12-1/2' gas hose and power cable
1177A	With 25' gas hose and power cable
1178*	150 amp, Vis-Arc III, 12-1/2' gas hose and power cable
1179*	With 25' gas hose and power cable

* VIS-ARC III has 1 piece rubber power cable

Accessories:

	Part No.	Description
Alumina Nozzles 	23008	1/4" x 1-1/2"
	23010	5/16" x 1-1/2"
	23012	3/8" x 1-1/2"
	23014	7/16" x 1-1/2"
	23016	1/2" x 1-1/2"
	23108	1/4" x 3/4"
	23110	5/16" x 3/4"
	23112	3/8" x 3/4"
	23114	7/16" x 3/4"
Lava Nozzles 	13012	3/8" x 1-1/4"
	13014	7/16" x 1-13/16"
	13108	1/4" x 2-5/8"
	13110	5/16" x 1-1/4"
	13112	3/8" x 1-7/8"
	13114	7/16" x 1-1/4"

Specifications

Duty cycle at 150 amps	60%
Duty cycle at 120 amps	100%
Weight/without cable	6 oz.
Length	8-1/4"
Head Angle	75°
Head Diameter	3/4"
Handle Diameter	3/4"
Torch Head	Short Cap 2" Medium Cap 3-3/8" Long Cap 7-3/8"
Electrode Sizes	.040 to 3/32"
Nozzles	Alumina & Lava
Gas Connection	5/8" - 18RH

Parts:

Part No.	Description
R401293	Vis-Arc Torch Head w/ Valve Assembly
R390086	Fiberglass Washer
R401288	Valve Assembly
R401295	Valve Plug
R400407	Collet: .040"
R400406	Collet: 1/16"
R400405	Collet: 3/32"
R390686	Short Backcap
R390805	Medium Backcap
R390690	Long Backcap