

Versa-Torch® Outfit

Issued March 2026 • Index No. GE/18.0

Gas
Equipment 

Quick Specs

Typical Applications

Maintenance and repair
HVAC
Plumbing

Oxy-Fuel Processes

Cutting
Heating
Welding
Brazing

Fuel Gas

Acetylene

Cutting Capacity Up to 3/16 in. (5 mm) with included tip
Up to 3 in. (76 mm) with optional tips

Heating Capacity Up to 24,990 Btu with included tip

Brazing Capacity Up to 1-1/2 in. (38 mm) with included tip
Up to 2-5/8 in. (67 mm) with optional tips

Portable light-duty oxy-fuel system for your cutting and brazing needs.



Versa-Torch outfit includes AC309 cutting attachment, AW1A handle, cutting tip, mixer tube, heating tip end, brazing tip ends, oxy and fuel regulators, 12.5 ft. (3.8 m) hose, check valves, single-flint lighter, shade 5 safety glasses, carrier, and oxygen and acetylene cylinders.

DESIGNED FOR SAFETY

Three-tube construction keeps gases separate in the cutting attachment until mixed at the tip for safety.

In-tip gas mixing ensures lowest amount of mixed gas in the system. Sustained backfire can be isolated in the tip, helping protect the operator and the torch.

Concave-shaped tip end reduces backfire and resists flameout during accidental contact with the base metal while cutting.

External relief valve protects regulator from damage due to inadvertent high-pressure surge. Relief valve will release excessive pressure and automatically reset.

Dual filters including Sure Seat™ protect regulator high-pressure seat from debris for reliable operation and long service life.

HIGH PERFORMANCE

Silver-brazed torch joints provide strength and leak resistance.

Nickel-plated torch assembly provides heat protection.

Internal threads on handle protect threads from damage if torch is dropped.

O-ring seals on cutting attachment and welding tip allow for easy 360-degree rotation to reduce operator fatigue.

Hand-tighten only to seat the tip and attachments, saving time and tools when changing tips.

Graf-Tite™ soft seats on tips compress and conform to the shape of the torch head for positive seating, eliminating leaks even when tips are nicked. Soft seat withstands extremely high temperature for longer tip life.

Easy-to-read two-inch gauges with shatter-resistant polycarbonate lens covers.



Torches are warrantied for 25 years, parts and labor.
Regulators are warrantied for three years, parts and labor.



Underwriters Laboratories (UL) Listed
for gas pressure regulators.



Electrical Testing Laboratories (ETL) Listed
for oxy-fuel torches and tips.



Smith Equipment

A Brand of Miller Electric Mfg. LLC
2601 Lockheed Avenue
Watertown, SD 57201

Equipment Sales US and Canada

Phone: 866-931-9730
International Phone: 920-735-4554

MillerWelds.com



AC309 Standard-Duty Cutting Attachment



Handles light-duty cutting needs.

Cuts up to 3-inch (76 mm) thick steel. For use with AW1A standard-duty torch handle.

Materials of construction

- Handle, lever and butt: nickel-plated brass
- Tubes: nickel-plated cupronickel
- Valve stem: stainless steel
- Valve packing: PTFE
- Springs: stainless steel
- Silver-brazed assembly
- Stem: stainless steel
- Cutting seat: Buna-N
- Seat retainer: brass
- Gasket: polyester
- Spring retainer: nickel-plated brass
- Backend: nickel-plated brass
- Backend nut: nickel-plated brass
- O-rings: Buna-N

Specifications

Length: 8.5 in. (216 mm)
Weight: 1 lb. (0.44 kg)
Head angle: 90 degrees

Warranty 25 years

FUEL GAS	TORCH HANDLE		CUTTING AND GOUGING TIPS	
	STOCK NO.	LENGTH	STOCK NO.	DESCRIPTION
Acetylene	AW1A	5.75 in. (146 mm)	MC12-00 to MC12-4 MC13-3	General cutting tips Gouging tip
Propane/natural gas			MC40-0 to MC40-4	General cutting tips

AW1A Standard-Duty Handle



Handles light-duty cutting, heating and brazing needs.

Cuts up to 3-inch (76 mm) thick steel with AC309 cutting attachment.

Materials of construction

- Handle, head, tube and butt: nickel-plated brass
- Valve stem: stainless steel
- Valve packing: PTFE
- Valve nut: nickel-plated brass
- Valve knob: nickel-plated zinc
- Silver-brazed assembly

Specifications

Length: 5.75 in. (146 mm)
Weight: 0.37 lb. (0.17 kg)
Handle diameter: 11/16 in. (17 mm)

Inlet connection

"A" size, 3/8"-24 RH and LH

Valve assembly replacement AW11A

Warranty 25 years

Medium-Duty Cutting and Gouging Tips



MC12-1
(included in VT-4T outfit)

Materials of construction

- Body: tellurium copper
- Seats: graphite
- Seat collars: brass

Note: Versa-Torch® outfit comes with an acetylene cutting tip, however the cutting attachment and handle are also compatible with propane tips (see chart at right).

STOCK NO.	METAL THICKNESS INCH (MM)	REGULATOR PRESSURE (PSIG)		GAS CONSUMPTION (SCFH)	
		OXYGEN	ACETYLENE	OXYGEN	ACETYLENE
MC12-00	1/8-3/16 (3-5)	30	10	37	6
MC12-0	1/4-3/8 (6-10)	45-50	10	47-53	6
MC12-1 ¹	1/2-5/8 (13-16)	55-60	10	84-90	7
MC12-2 ¹	3/4-1 (19-25)	60-65	10	118-129	9
MC12-3 ¹	1-1/2-2 (38-51)	65-70	10	182-193	10
MC12-4 ¹	2-1/2-3 (64-76)	75-80	10	263-281	12-13
MC13-3 ^{1,2}	3/8 x 1/4 (10 x 6)	20	10	115	24 ³
		OXYGEN	PROPANE	OXYGEN	PROPANE
MC40-0	1/4-3/8 (6-10)	45-50	10	75-81	7
MC40-1	1/2-5/8 (13-16)	55-60	10	110-116	7
MC40-2	3/4-1-1/4 (19-32)	60-70	10	142-168	7
MC40-3	1-1/2-2 (38-51)	65-70	10	205-216	7
MC40-4	2-1/2-3 (64-76)	75-80	10	284-302	7

¹Requires larger cylinders than those supplied with VT-4T outfit.

²MC13-3 is a gouging tip. ³Minimum of one 350 cubic foot cylinder required.

Standard-Duty Heating and Welding/Brazing Tips



AT60 with 13716 tip end
(included in VT-4T outfit)

(VT-4T outfit also includes LT103, LT104 and LT106 tip ends)

AT60 materials of construction

- Tube: copper
- Nut: nickel-plated brass
- Mixing section: nickel-plated brass
- O-rings: Buna-N

13716 materials of construction

- Outer shell: copper
- Insert: brass

LT100 Series materials of construction

- Brass

Note: Versa-Torch® outfit comes with AT60 acetylene mixer tube, 13716 tip end and LT100 Series tip ends, however the handle is also compatible with AT61 propane mixer tube using 13715 and NE154 tip ends (see charts and the Versa-Torch Tip Selection section below for all compatible tips/tip ends).

TIP SERIES	TIP STOCK NO.	TIP END STOCK NO.	AVERAGE BTU/HOUR	REGULATOR PRESSURE (PSIG)		GAS CONSUMPTION (SCFH)		DRILL SIZE	COPPER PIPE DIAMETER BRAZING CAPACITY INCH (MM)	OVERALL LENGTH INCH (MM)	
				OXYGEN	ACETYLENE	OXYGEN	ACETYLENE				
THREADED TIP MIXER TUBE	AT60	13716	24,990	14	10	17	17	—	—	5.6 (142) (not including tip end)	
		LT103	6,320	10	10	4.3	4.3	63	1/2–3/4 (12–19)		
		LT104	13,230	10	10	9	9	56	5/8–1 (16–25)		
		LT106	24,990	10	10	17	17	52	3/4–1-1/2 (19–38)		
	AT61				OXYGEN	PROPANE/NAT. GAS	OXYGEN	PROPANE/NAT. GAS			
		13715	29,980	14	10	38	12	—	—		
	NE154	27,480	10	10	38	11	36	7/8–1-5/8 (22–41)			
MULTI-FLAME HEATING TIP	AT605 ¹	—	42,630	OXYGEN	ACETYLENE	OXYGEN	ACETYLENE	64	—	10 (254)	
				15	15	32	29				
FLEXIBLE TWIN-FLAME	AT600 ¹ AT600X6 ¹	LT103	12,600	10	10	8.6	8.6	63	1/2–3/4 (12–19)	AT600: 13.8 (351) AT600X6: 9.8 (249) (including tip end)	
		LT104	26,400	10	10	18	18	56	5/8–1 (16–25)		
		LT106	50,000	10	10	34	34	52	3/4–1-1/2 (19–38)		
				OXYGEN	PROPANE/NAT. GAS	OXYGEN	PROPANE/NAT. GAS				
	NE154	55,000	10	10	76	22	36	7/8–1-5/8 (22–41)			
AW200 WELDING/ BRAZING SERIES	AW201 ¹	—	—	10	10	2.3	2.3	71	1/4–3/8 (6–10)	5.5 (140)	
	AW203 ¹	—	—	10	10	3.2	3.2	67	3/8–5/8 (10–16)	5.5 (140)	
	AW205 ¹	—	—	10	10	6	6	57	1/2–7/8 (12–22)	5.5 (140)	
	AW207 ¹	—	—	10	10	12	12	54	5/8–1-3/8 (16–35)	7 (178)	
	AW209 ¹	—	—	10	10	23	23	49	3/4–2-1/8 (19–54)	7 (178)	
	AW210 ¹	—	—	10	10	36	36	44	7/8–2-5/8 (22–65)	7 (178)	

¹Requires larger cylinders than those supplied with VT-4T outfit.

VERSA-TORCH® TIP SELECTION

The diagram illustrates the selection of tips for different gas types and torch configurations. It is divided into four vertical sections:

- Acetylene:** Shows a Multi-Flame Heating Tip AT605, a Welding/Brazing Tip AW200 Series, and a Threaded Tip Mixer Tube AT60. It lists Screw-On Acetylene Multi-Flame Tip End 13716 and Screw-On Acetylene Tip Ends LT100 Series.
- Acetylene with LT100 Series:** Shows a 10-Inch Tip AT600 (includes LT103 tips) and Flexible Twin-Flame Tips. It lists Screw-On Tip Ends LT100 Series (acetylene) / NE154 (LP).
- Propane/natural gas with NE154:** Shows a 6-Inch Tip AT600X6 (includes LT103 tips) and a Threaded Tip Mixer Tube AT61. It lists Screw-On LP Multi-Flame Tip End 13715 and Screw-On LP Tip End NE154.
- Propane/natural gas:** Shows a Threaded Tip Mixer Tube AT61.

Series 30™ Medium-Duty Single-Stage Regulators



30-100-540
(included with all outfits)



30-15-200
(included with all outfits)

STOCK NO.	GAS	GAUGES (2 INCH /51 MM)		MAX. DELIVERY PRESSURE	MAX. INLET PRESSURE	OUTLET CONNECTION	INLET CONNECTION
		INLET	OUTLET				
30-100-540	Oxygen	4,000 psig (276 bar)	150 psig (10 bar)	100 psig (7 bar)	3,000 psig (207 bar)	9/16"-18 RH "B"	CGA 540
30-15-200	Acetylene	400 psig (28 bar)	30 psig (2 bar)	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH "B"	CGA 200

Note: Regulators listed above are specifically suited to cylinders included in Versa-Torch outfit. See Series 30 literature GE/4.0 for all medium-duty regulator options, including models for alternative fuels.

Ordering Information

OUTFITS	STOCK NO.	DESCRIPTION	QTY.	PRICE
Versa-Torch® Outfit Acetylene	VT-4T	With AC309 cutting attachment, AW1A handle, MC12-00 cutting tip, AT60 mixer tube, 13716 heating tip end, LT103, LT104 and LT106 brazing tip ends, 30-100-540 oxy regulator, 30-15-200 fuel regulator, 12.5 ft. (3.8 m) 3/16 in. (5 mm) "R"-grade hose, H698 regulator-mount check valves, single-flint lighter, shade 5 safety glasses, carrier, "R" 20 cu. ft. oxygen cylinder, and "MC" 10 cu. ft. acetylene cylinder		
REPLACEMENT PARTS				
O-ring Replacements	AW15	For AC309 cutting attachment, AW welding tips and AT heating tips (25 per package)		
Torch Head Nut	G690-8	For AC309 cutting attachment		
Valve Assembly	AW11A	For AW1A handle. Valve assembly (pair)		
ACCESSORIES				
Flashback Arrestors	H753	Regulator-mount flashback arrestors (pair)		
Check Valves	H698	Regulator-mount reverse-flow check valves (pair)		
Twin-Hose	RA921	For acetylene. 20 ft. (6.1 m) "R"-grade twin-hose, 3/16 in. ID, "B" fittings to regulator and "A" fittings to torch		
Cylinder Wrench	N230			
Adjustable Circle Cutting Guide	16229	Cuts from 5/8 to 12 in. diameter holes — works with all MC- and SC-style cutting tips		

DATE: _____ TOTAL QUOTED PRICE: _____

Distributed By:

