

Weldcraft™ Series

TIG Torches

Synonymous with versatility and performance, Weldcraft TIG torches can handle the most intricate to the most demanding TIG welding challenges. From 125-amp hand-held MicroTIG® torches to 900-amp machine-held water-cooled models, there's a Weldcraft torch for nearly every TIG application.



For more detailed information, visit

MillerWelds.com/tigtorches



Setting the standard for performance

Super Cool™ technology provides additional surface area to increase cooling efficiency and capacity.

Comfort and control are increased with the lightweight well-balanced body and handle designs, helping to reduce fatigue.

Robust performance through heavy copper construction that delivers maximum welding capacity for rugged fieldwork.

Simplify torch package installation with ColorSmart™ hose and cable sets that differentiate input water, water/power cable, and gas hoses.

Improve gas coverage and cooling capacity through the use of a gas lens.

Extreme reliability

Reduce downtime due to overheating through consistent water-cooled performance.

Extend parts life using the durable copper components, maximizing current capacity.

Reduce leakage of gas and water through secure mechanical fittings.

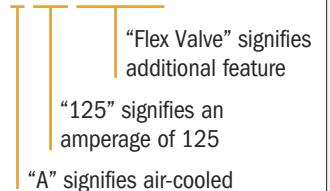
Works in cold weather with the Tri-flex™ hose and cable assembly that remains flexible to ease handling and extends cable life.

Product Naming

Former Product Name	Current Product Name Breakdown			Current Product Name
	Product Line Descriptor	Air/Water and Amperage	Features Set Label	
WP-9FV	Weldcraft	A-125	Flex Valve	Weldcraft A-125 Flex Valve
WP-17F	Weldcraft	A-150	Flex	Weldcraft A-150 Flex
WP-225	Weldcraft	W-225	Modular	Weldcraft W-225 Modular
CS410	Weldcraft	W-410	—	Weldcraft W-410

Example

Weldcraft A-125 Flex Valve



Weldcraft™ Air-Cooled Torches

Recommended for welding amperages under 200 amps. Air-cooled torches are great for portable applications as they do not require a water-circulator. For power sources without a built-in gas solenoid, the air-cooled two-piece torch is the solution of choice.

Weldcraft™ Water-Cooled Torches

Recommended for welding amperages above 200 amps. Offering a small torch design, water-cooled torches allow for precise control due to the efficient around-the-head cooling. This same cooling allows for extended torch life and higher amperage capacities.

Weldcraft™ Specialty Torches

Specialty torches are designed to fit best in unique applications. For those hard-to-reach areas, the **Micro Series** torches provide access and superior maneuverability. The **Modular Series** torches allow for a quick change of many different torch styles for any joint configuration. If high amperage is your need, the **W-500** torch is the answer.

Weldcraft™ Automation Torches

Ideal for mechanized applications, the Weldcraft Automation Series offers air-cooled and water-cooled torches designed for both high and low applications. See literature AY/37.0 for more information.

Process

- TIG (GTAW)

Suggested power sources

- Multimatic™ 200/215 (pg 35) (A-150)
- Maxstar® 161 (pg 50) (A-150)
- Syncrowave® 210 (pg 51) (A-150)
- Dynasty®/Maxstar® 210 (pg 52) (A-150, W-250)
- Dynasty®/Maxstar® 280 (pg 52) (A-200, W-280)
- Dynasty®/Maxstar® 350 (pg 54) (W-375)
- Dynasty®/Maxstar® 700 (pg 54) (W-400)
- Syncrowave® 250 DX (pg 55) (W-375)
- Syncrowave® 350 LX (pg 55) (W-375)

Fingertip controls

- RCC East/West Rotary 151086 14-pin
- RCCS North/South Rotary 195184 6-pin
195503 6-pin
301146 RJ45
043688 14-pin
- RMS Momentary Push Button 195269 6-pin
187208 14-pin
- RMLS Momentary/Maintained 129337 14-pin
- RPBS Two-Button Start/Stop 300666 14-pin

Weldcraft™ Tungsten

Tungsten for the most demanding TIG welding applications!

Available in four types and industry-standard diameters, our line of Weldcraft tungsten electrodes has undergone rigorous testing to ensure the highest quality and durability. Color-coded packages include ten 7-inch (175 mm) tungsten electrodes.

Type	Stock Number	Diameter in. (mm)	Type	Stock Number	Diameter in. (mm)
2% Ceriated (EWCe-2)			Pure (EWP)		
Performs well in DC welding and arc starting at low-current settings, and offers excellent performance in AC processes.	WC040X7	0.040 (1.0)	Forms a clean, balled end when heated and provides good arc stability for AC welding with a balanced or unbalanced squarewave or sine wave.	—	0.040 (1.0)
	WC116X7	1/16 (1.6)		WP116X7	1/16 (1.6)
	WC332X7	3/32 (2.4)		WP332X7	3/32 (2.4)
	WC018X7	1/8 (3.2)		WP018X7	1/8 (3.2)
	WC532X7	5/32 (4.0)		—	5/32 (4.0)
2% Lanthanated (EWLa-2)			Rare Earth (EWG)		
Provides excellent arc starting, arc stability and re-ignition, and less tip erosion in AC or DC welding. Can substitute for 2% Thoriated.	WL2040X7	0.040 (1.0)	Combines the best of all alloying elements, and provides excellent arc stability in AC or DC welding.	—	0.040 (1.0)
	WL2116X7	1/16 (1.6)		WG116X7	1/16 (1.6)
	WL2332X7	3/32 (2.4)		WG332X7	3/32 (2.4)
	WL2018X7	1/8 (3.2)		WG018X7	1/8 (3.2)
	WL2532X7	5/32 (4.0)		—	5/32 (4.0)



Note: Refer to manufacturer SDS sheets for proper preparation and safety. Use proper ventilation/capture during preparation. Refer to manufacturer warning regarding ventilation.

Weldcraft™ A-80 Series

Formerly known as WP-24 Series

See literature AY/21.0



Innovative air-cooled torches designed for intricate welding applications, especially in limited-access areas and on thin-gauge materials.

Featherweight torch body is well balanced to improve operator comfort and control.

Minimize discontinuities. Insulating gasket on torch body minimizes gas leakage and minimizes weld discontinuities.

Combining the flexible neck and gas valve is ideal for optimal positioning and gas flow control (A-80 Flex Valve).

Applications

- Shipbuilding ▪ Motorsports
- Aerospace ▪ Restricted areas

Most popular consumables

- Collets
 - 53N16 .040 in. (1.0 mm)
 - 53N14 1/16 in. (1.6 mm)
 - 24C332 3/32 in. (2.4 mm)
- Collet Bodies
 - 53N18 .040 in. (1.0 mm)
 - 53N19 1/16 in. (1.6 mm)
 - 24CB332 3/32 in. (2.4 mm)
- Alumina Nozzles
 - A53N24 #4, 1/4 in.
 - A53N25 #5, 5/16 in.
 - A53N27 #6, 3/8 in.

Most popular accessories

- Collet Body Wrench 53N20

Visit MillerWelds.com or your distributor for other Miller® options and accessories.

Model	Rubber 12.5 ft. (3.8 m)	25 ft. (7.6 m)	Type	Rated Output	Electrode Range
A-80	WP-24-12-R	WP-24-25-R	Air-cooled	DC: 80 A at 60% duty cycle AC: 50 A at 60% duty cycle	.020-3/32 in. (0.5-2.4 mm)
A-80 Flex	WP-24F-12-R	WP-24F-25-R			
A-80 Flex Valve	WP-24FV-12-R	WP-24FV-25-R			

Weldcraft™ A-125 Series

Formerly known as WP-9 Series

See literature AY/22.0



Air-cooled torches designed for optimal control while welding thin-gauge materials, especially in hard-to-reach places.

The lightweight body reduces fatigue and downtime, and increases operator comfort.

The pencil-style model without a back cap allows for superior access to confined areas (A-125 Pencil).

Combine the flexible neck and gas valve for welding limited-access joints using power sources without gas solenoids (A-125 Flex Valve).

For maximum versatility on multiple welding applications, without adding expenses, use the A-125 Flex Redhead and A-125 Flex Valve Redhead.

Applications

- Maintenance and repair
- Home/hobby ▪ Motorsports
- Metal art ▪ Fabrication

Most popular consumables

- Collets
 - 13N22 1/16 in. (1.6 mm)
 - 13N23 3/32 in. (2.4 mm)
 - 13N24 1/8 in. (3.2 mm)
- Collet Bodies
 - 13N27 1/16 in. (1.6 mm)
 - 13N28 3/32 in. (2.4 mm)
 - 13N29 1/8 in. (3.2 mm)
- Alumina Nozzles
 - 13N10 #6, 3/8 in.
 - 13N11 #7, 7/16 in.
 - 13N12 #8, 1/2 in.

Most popular accessories

- Accessory Kit AK1C
Includes one long back cap, one of each size (#4, #5, #6) alumina nozzle, and one of each size (.040, 1/16 in.) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode.

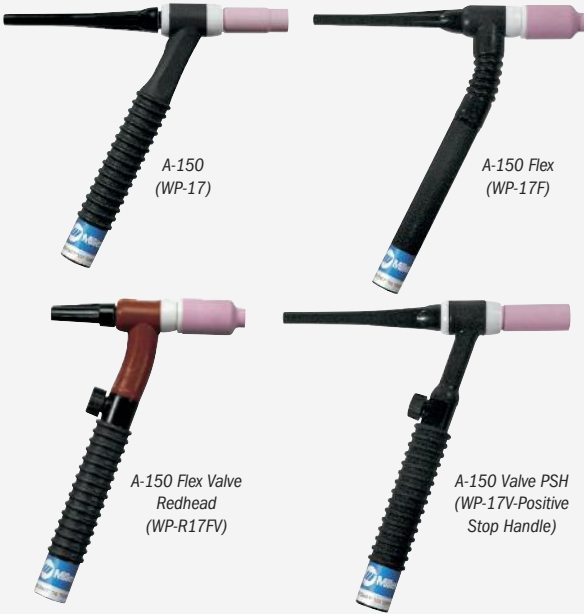
Visit MillerWelds.com or your distributor for other Miller® options and accessories.

Model	Rubber 12.5 ft. (3.8 m)	25 ft. (7.6 m)	2-Piece Rubber 12.5 ft. (3.8 m)	25 ft. (7.6 m)	Type	Rated Output	Electrode Range
A-125	WP-9-12-R	WP-9-25-R	WP-9-12-2	WP-9-25-2	Air-cooled	DC: 125 A at 60% duty cycle AC: 100 A at 60% duty cycle	.020-1/8 in. (0.5-3.2 mm)
A-125 Valve	WP-9V-12-R	WP-9V-25-R	WP-9V-12-2	WP-9V-25-2			
A-125 Flex	WP-9F-12-R	WP-9F-25-R	—	—			
A-125 Flex Valve	WP-9FV-12-R	WP-9FV-25-R	WP-9FV-12-2	WP-9FV-25-2			
A-125 Pencil	WP-9P-12-R	WP-9P-25-R	—	—			

Weldcraft™ A-150 Series

Formerly known as WP-17 Series

See literature AY/23.0



*PSH = positive stop handle (threaded handle).

Versatile and innovative air-cooled torches designed for maximum comfort in a variety of applications.

Diamond Grip™ head design (A-150 and A-150 Valve) has ergonomic contact points for thumb and fingers. Provides a more comfortable grip and reduces operator fatigue.

Improve control and comfort with the A-150 Flex and the flexible neck that allows access into hard-to-reach areas.

Maximum versatility. Utilize the Redhead™ Series torches in a variety of welding applications without adding expenses.

Applications

- Fabrication ▪ Maintenance and repair
- Aerospace ▪ Food/beverage industry
- Metal art ▪ Petro/chemical
- Shipbuilding

Most popular consumables

- Collets
 - 10N23 1/16 in. (1.6 mm)
 - 10N24 3/32 in. (2.4 mm)
 - 10N25 1/8 in. (3.2 mm)
- Collet Bodies
 - 10N31 1/16 in. (1.6 mm)
 - 10N32 3/32 in. (2.4 mm)
 - 10N28 1/8 in. (3.2 mm)
- Alumina Nozzles
 - 10N48 #6, 3/8 in.
 - 10N47 #7, 7/16 in.
 - 10N46 #8, 1/2 in.

Most popular accessories

- **Accessory Kit** AK-150MFC 
 - Allows A-150 torch customization. Converts into 28 different torch styles while using existing cable.
 - Includes collets, collet bodies, nozzles, torch heads, handle and more.

Visit MillerWelds.com or your distributor for other Miller® options and accessories.

Model	Rubber		Mono-Flex™		2-Piece Rubber		Type	Rated Output	Electrode Range
	12.5 ft. (3.8 m)	25 ft. (7.6 m)	12.5 ft. (3.8 m)	25 ft. (7.6 m)	12.5 ft. (3.8 m)	25 ft. (7.6 m)			
A-150	WP-17-12-R	WP-17-25-R	WP-17-12-MF	WP-17-25-MF	WP-17-12-2	WP-17-25-2	Air-cooled	DC: 150 A at 60% duty cycle AC: 115 A at 60% duty cycle	.020-1/8 in. (0.5-3.2 mm)
A-150 Valve	WP-17V-12-R	WP-17V-25-R	WP-17V-12-MF	WP-17V-25-MF	WP-17V-12-2	WP-17V-25-2			
A-150 Flex	WP-17F-12-R	WP-17F-25-R	—	—	WP-17F-12-2	WP-17F-25-2			
A-150 Flex Valve	WP-17FV-12-R	WP-17FV-25-R	—	—	WP-17FV-12-2	WP-17FV-25-2			
A-150 Flex Valve Redhead	WP-R17FV-12-R	WP-R17FV-25-R	—	—	—	—			
A-150 PSH*	—	WP-17-25-R-PSH	—	—	WP-17-12-2-PSH	WP-17-25-2-PSH			
A-150 Valve PSH*	WP-17V-12-R-PSH	WP-17V-25-R-PSH	—	—	—	WP-17V-25-2-PSH			

Weldcraft™ A-200 Series

Formerly known as WP-26 Series

See literature AY/24.0



Dependable, top-performing air-cooled torches designed for heavy-duty welding applications.

Eliminate the expense of a water-cooled system. The air-cooled capability pairs reliability with cost-effectiveness for all field applications.

Combining the flexible neck and gas valve advances capabilities with greater comfort and control (A-200 Flex Valve).

Maximum versatility. Utilize the Redhead Series torches in a variety of welding applications without adding expenses.

Applications

- Fabrication ▪ Maintenance and repair
- Manufacturing ▪ Shipbuilding
- Vocational

Most popular consumables

- Collets
 - 10N23 1/16 in. (1.6 mm)
 - 10N24 3/32 in. (2.4 mm)
 - 10N25 1/8 in. (3.2 mm)
- Collet Bodies
 - 10N31 1/16 in. (1.6 mm)
 - 10N32 3/32 in. (2.4 mm)
 - 10N28 1/8 in. (3.2 mm)
- Alumina Nozzles
 - 10N47 #7, 7/16 in.
 - 10N46 #8, 1/2 in.
 - 10N45 #10, 5/8 in.

Most popular accessories

- **Accessory Kit** AK3C 
 - Visit MillerWelds.com or your distributor for other Miller® options and accessories.

Model	Rubber		2-Piece Rubber		Type	Rated Output	Electrode Range
	12.5 ft. (3.8 m)	25 ft. (7.6 m)	12.5 ft. (3.8 m)	25 ft. (7.6 m)			
A-200	WP-26-12-R	WP-26-25-R	WP-26-12-2	WP-26-25-2	Air-cooled	DC: 200 A at 60% duty cycle AC: 150 A at 60% duty cycle	.020-5/32 in. (0.5-4.0 mm)
A-200 Valve	WP-26V-12-R	WP-26V-25-R	WP-26V-12-2	WP-26V-25-2			
A-200 Flex	WP-26F-12-R	WP-26F-25-R	WP-26F-12-2	WP-26F-25-2			
A-200 Flex Valve	WP-26FV-12-R	WP-26FV-25-R	WP-26FV-12-2	WP-26FV-25-2			
A-200 Flex Redhead	WP-R26F-12-R	—	—	WP-R26F-25-2			
A-200 Flex Valve Redhead	—	WP-R26FV-25-R	—	—			

Weldcraft™ W-180

Formerly known as WP-24W

See literature AY/26.0



One of the smallest water-cooled TIG torches on the market and designed for welding in confined areas that require high amperage.

Use high amperage in confined areas for efficient welding.

Superior maneuverability in limited-access locations with the compact torch body.

Excellent weld capacity without increasing torch size, due to the efficient cooling system.

Applications

- Aerospace ▪ Manufacturing
- Food/beverage industry ▪ Shipbuilding
- Maintenance and repair
- Petro/chemical ▪ Precision fabrication

Most popular consumables

- Collets
 - 53N16 .040 in. (1.0 mm)
 - 53N14 1/16 in. (1.6 mm)
 - 24C332 3/32 in. (2.4 mm)
- Collet Bodies
 - 53N18 .040 in. (1.0 mm)
 - 53N19 1/16 in. (1.6 mm)
 - 24CB332 3/32 in. (2.4 mm)
- Alumina Nozzles
 - A53N24 #4, 1/4 in.
 - A53N25 #5, 5/16 in.
 - A53N27 #6, 3/8 in.

Model	Braided Rubber 12.5 ft. (3.8 m) 25 ft. (7.6 m)		Vinyl 12.5 ft. (3.8 m) 25 ft. (7.6 m)		Type	Rated Output	Electrode Range
W-180	WP-24W-12-R	WP-24W-25-R	WP-24W-12	WP-24W-25	Water-cooled	DC: 180 A at 100% duty cycle, AC: 115 A at 100% duty cycle	.020-3/32 in. (0.5-2.4 mm)

Weldcraft™ W-200 Pencil Flex

Formerly known as WP-25

See literature AY/27.0



Versatile water-cooled torch optimized for use in limited-access welding situations.

Pencil-style, flexible neck designed for both high-amperage applications and confined area access.

Decreased downtime and longer trouble-free service due to overheating with the innovative cooling design.

Comfort and control are increased with the lightweight, well-balanced body design.

Applications

- Aerospace ▪ Manufacturing
- Food/beverage industry ▪ Shipbuilding
- Maintenance and repair
- Petro/chemical ▪ Precision fabrication

Most popular consumables

- Insulator (non-gas lens and gas lens) (required) 598882
- Collets (non-gas lens and gas lens)
 - 13N20 .020 (0.5 mm)
 - 13N21 .040 in. (1.0 mm)
 - 13N22 1/16 in. (1.6 mm)
 - 13N23 3/32 in. (2.4 mm)
 - 13N24 1/8 in. (3.2 mm)
- Collet Bodies
 - 13N25 .020 in. (0.5 mm)
 - 13N26 .040 in. (1.0 mm)
 - 13N27 1/16 in. (1.6 mm)
 - 13N28 3/32 in. (2.4 mm)
 - 13N29 1/8 in. (3.2 mm)
- Gas Lens
 - 45V41 .020 in. (0.5 mm)
 - 45V42 .040 in. (1.0 mm)
 - 45V43 1/16 in. (1.6 mm)
 - 45V44 3/32 in. (2.4 mm)
 - 45V45 1/8 in. (3.2 mm)

Model	Braided Rubber 12.5 ft. (3.8 m) 25 ft. (7.6 m)		Vinyl 12.5 ft. (3.8 m) 25 ft. (7.6 m)		Type	Rated Output	Electrode Range
W-200 Pencil Flex	WP-25-12-R	WP-25-25-R	WP-25-12	WP-25-25	Water-cooled	DC: 200 A at 100% duty cycle, AC: 140 A at 100% duty cycle	.020-1/8 in. (0.5-3.2 mm)

Weldcraft™ W-225 Pencil

Formerly known as WP-20P

See literature AY/28.0



Water-cooled torch designed for long-term, trouble-free service with consistent welding performance in general applications.

Extend torch life and minimize downtime due to overheating with the efficient around-the-head cooling design.

Pencil-style head allows for greater access into hard-to-reach joints.

Comfort and control are increased with the lightweight, compact body design.

- Alumina Nozzles
 - 13N08 #4, 1/4 in.
 - 13N09 #5, 5/16 in.
 - 13N10 #6, 3/8 in.
 - 13N11 #7, 7/16 in.
 - 13N12 #8, 1/2 in.
 - 13N13 #10, 5/8 in.
 - 53N58 #4, 1/4 in. (gas lens)
 - 53N59 #5, 5/16 in. (gas lens)
 - 53N60 #6, 3/8 in. (gas lens)
 - 53N61 #7, 7/16 in. (gas lens)
 - 53N61S #8, 1/2 in. (gas lens)

Most popular accessories



- Cable Covers
 - WC-3-10 10 ft. (3 m)
 - WC-3-22 22 ft. (6.7 m)

Visit MillerWelds.com or your distributor for other Miller® options and accessories.

Model	Vinyl 12.5 ft. (3.8 m) 25 ft. (7.6 m)		Type	Rated Output	Electrode Range
W-225 Pencil	WP-20P-12	WP-20P-25	Water-cooled	DC: 225 A at 100% duty cycle, AC: 160 A at 100% duty cycle	.020-1/8 in. (0.5-3.2 mm)

Weldcraft™ W-250 Series

See literature AY/29.0

Formerly known as WP-20 Series



W-250 (WP-20)

W-250 Valve (WP-20V)

Water-cooled torch provides consistent performance and long-term trouble-free service with around-the-head water cooling.

Extend torch life and minimize downtime due to overheating with the efficient around-the-head cooling design.

Reduce leakage of gas and water through secure mechanical fittings and connections.

Easy hose replacement with the innovative mechanical fittings design (W-250 Valve).

Applications

- Aerospace ▪ Aluminum fabrication
- Automotive ▪ Manufacturing
- Exotic material fabrication
- Precision metal fabrication
- Pressure vessel fabrication
- Shipbuilding ▪ Tool and die
- Tube and pipe ▪ Vocational

Most popular consumables

- Insulator (non-gas lens and gas lens) (required) 598882
- Collets (non-gas lens and gas lens)
 - 13N20 .020 (0.5 mm)
 - 13N21 .040 in. (1.0 mm)
 - 13N22 1/16 in. (1.6 mm)
 - 13N23 3/32 in. (2.4 mm)
 - 13N24 1/8 in. (3.2 mm)
- Collet Bodies
 - 13N25 .020 in. (0.5 mm)
 - 13N26 .040 in. (1.0 mm)
 - 13N27 1/16 in. (1.6 mm)
 - 13N28 3/32 in. (2.4 mm)
 - 13N29 1/8 in. (3.2 mm)
- Gas Lens
 - 45V41 .020 in. (0.5 mm)
 - 45V42 .040 in. (1.0 mm)
 - 45V43 1/16 in. (1.6 mm)
 - 45V44 3/32 in. (2.4 mm)
 - 45V45 1/8 in. (3.2 mm)

Model	Braided Rubber 12.5 ft. (3.8 m)		Vinyl 12.5 ft. (3.8 m)		Type	Rated Output	Electrode Range
	25 ft. (7.6 m)	25 ft. (7.6 m)	25 ft. (7.6 m)	25 ft. (7.6 m)			
W-250	WP-20-12-R	WP-20-25-R	WP-20-12	WP-20-25	Water-cooled	DC: 250 A at 100% duty cycle AC: 180 A at 100% duty cycle	.020-1/8 in. (0.5-3.2 mm)
W-250 Valve	-	-	WP-20V-12	WP-20V-25			

Weldcraft™ W-280 Super Cool™

See literature AY/30.0

Formerly known as WP-280



Reliable water-cooled torch designed for demanding, high-amperage applications.

Super Cool technology provides additional surface area to increase cooling efficiency and capacity.

Reduce downtime due to overheating through consistent water-cooled performance.

Reduce leakage of gas and water through secure mechanical fittings and connections.

- Alumina Nozzles
 - 13N08 #4, 1/4 in.
 - 13N09 #5, 5/16 in.
 - 13N10 #6, 3/8 in.
 - 13N11 #7, 7/16 in.
 - 13N12 #8, 1/2 in.
 - 13N13 #10, 5/8 in.
 - 53N58 #4, 1/4 in. (gas lens)
 - 53N59 #5, 5/16 in. (gas lens)
 - 53N60 #6, 3/8 in. (gas lens)
 - 53N61 #7, 7/16 in. (gas lens)
 - 53N61S #8, 1/2 in. (gas lens)
- Back Caps
 - 41V33 Short
 - 41V35 Medium
 - 41V24 Long

Model	Braided Rubber 12.5 ft. (3.8 m)		50 ft. (15.2 m)	Braided Rubber with 50 mm Dinse 25 ft. (7.6 m)	Type	Rated Output	Electrode Range
	25 ft. (7.6 m)	25 ft. (7.6 m)					
W-280 Super Cool	301251012	301251025	301251050	301251001	Water-cooled	DC: 280 A at 100% duty cycle AC: 195 A at 100% duty cycle	.020-1/8 in. (0.5-3.2 mm)

Most popular accessories



Cable Covers

- For W-250 Series
 - WC-3-10 10 ft. (3 m)
 - WC-3-22 22 ft. (6.7 m)
- For W-280 and W-375
 - WC0183 11.75 ft. (3.6 m)
 - WC0182 24.25 ft. (7.4 m)



Accessory Kit AK4C

- Includes one long back cap, one of each size (#5, #6, #7) alumina nozzle, and one of each size (1/16, 3/32, 1/8 in.) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode.

Visit MillerWelds.com or your distributor for other Miller® options and accessories.

Weldcraft™ W-375 Super Cool™

See literature AY/32.5



Reliable water-cooled torch designed for demanding, high-amperage applications.

Super Cool technology provides additional surface area to increase cooling efficiency and capacity.

Reduce downtime due to overheating through consistent water-cooled performance.

Reduce leakage of gas and water through secure mechanical fittings and connections.

Model	Braided Rubber 12.5 ft. (3.8 m)		Braided Rubber with 50 mm Dinse 25 ft. (7.6 m)	Type	Rated Output	Electrode Range
	25 ft. (7.6 m)	25 ft. (7.6 m)				
W-375 Super Cool	301253012	301253025	301253001	Water-cooled	DC: 375 A at 100% duty cycle AC: 265 A at 100% duty cycle	.020-1/8 in. (0.5-3.2 mm)

Weldcraft™ W-350 Series

See literature AY/32.0

Formerly known as WP-18 Series



Rugged water-cooled torches engineered for high-amperage and continuous hand-held welding in mechanized applications.

Reduce downtime and costs by minimizing overheating with the unique cooling design engineered for operator comfort.

Reduce discomfort and fatigue using the comfortable handle design.

Superior gas flow control offered through the built-in fingertip gas control (W-350 Valve).

Applications

- Fabrication ▪ Manufacturing
- Maintenance and repair
- Shipbuilding ▪ Tube and pipe

Most popular consumables

- Collets
 - 10N24 3/32 in. (2.4 mm)
 - 10N25 1/8 in. (3.2 mm)
 - 54N20 5/32 in. (4.0 mm)
- Collet Bodies
 - 10N32 3/32 in. (2.4 mm)
 - 10N28 1/8 in. (3.2 mm)
 - 406488 5/32 in. (4.0 mm)
- Alumina Nozzles
 - 10N48 #6, 3/8 in.
 - 10N47 #7, 7/16 in.
 - 10N46 #8, 1/2 in.
 - 10N45 #10, 5/8 in.
 - 10N44 #12, 3/4 in.

Model	Rubber 12.5 ft. (3.8 m) 25 ft. (7.6 m)		Vinyl 12.5 ft. (3.8 m) 25 ft. (7.6 m)		Type	Rated Output	Electrode Range
	WP-18-12-R	WP-18-25-R	WP-18-12	WP-18-25			
W-350	WP-18-12-R	WP-18-25-R	WP-18-12	WP-18-25	Water-cooled	DC: 350 A at 100% duty cycle AC: 250 A at 100% duty cycle	.020-5/32 in. (0.5-4.0 mm)
W-350 Valve	-	WP-18V-25-R	-	WP-18V-25			

Weldcraft™ W-400 Super Cool™

See literature AY/33.0

Formerly known as WP-18SC



Water-cooled torch designed to endure some of the most demanding applications while minimizing overheating.

Extend torch and consumable life with the full-flow water chamber that provides around-the-head cooling.

Improve gas coverage and cooling capacity with gas lens usage with heavy-duty stubby collet body.

Extend parts life using the durable copper components, maximizing current capacity.

Applications

- Heavy fabrication ▪ Tool and die
- Pipe and tube fabrication
- Pressure vessel fabrication

Most popular consumables

- Heavy-Duty Collets
 - 10N25HD 1/8 in. (3.2 mm)
 - 54N20HD 5/32 in. (4.0 mm)
 - 18C36 3/16 in. (4.8 mm)
- Heavy-Duty Nose Collet Body (all sizes) NCB-36
- Alumina Nozzles
 - 54N16 #6, 3/8 in.
 - 54N15 #7, 7/16 in.
 - 54N14 #8, 1/2 in.
- Back Caps
 - 57Y04 Short
 - 300M Medium

Model	Rubber 12.5 ft. (3.8 m) 25 ft. (7.6 m)		Vinyl 12.5 ft. (3.8 m) 25 ft. (7.6 m)		Type	Rated Output	Electrode Range
	WP-18SC-12-R	WP-18SC-25-R	WP-18SC-12	WP-18SC-25			
W-400 Super Cool	WP-18SC-12-R	WP-18SC-25-R	WP-18SC-12	WP-18SC-25	Water-cooled	DC: 400 A at 100% duty cycle, AC: 280 A at 100% duty cycle	.020-3/16 in. (0.5-4.8 mm)

Weldcraft™ W-410

See literature AY/34.0

Formerly known as CS410



Water-cooled torch that increases amperage output without increasing torch size. Designed for demanding applications.

D-Handle™ design features a self-indexing flat top that allows for torch orientation by feel.

Work in cold weather with the Tri-Flex™ hose and cable assembly that remains flexible to ease handling and extends cable life.

Improve high-frequency shielding and minimize gas leakages with the double-lip back cap seal.

Applications

- Aerospace ▪ Tube and pipe
- Exotic material fabrication
- Pipe and tube fabrication

Most popular consumables

- Collets
 - 10N24 3/32 in. (2.4 mm)
 - 10N25 1/8 in. (3.2 mm)
 - 54N20 5/32 in. (4.0 mm)
- Collet Bodies
 - 10N32 3/32 in. (2.4 mm)
 - 10N28 1/8 in. (3.2 mm)
 - 406488 5/32 in. (4.0 mm)
- Alumina Nozzles
 - 10N46 #8, 1/2 in.
 - 10N45 #10, 5/8 in.
 - 10N44 #12, 3/4 in.

Model	Braided Rubber 12.5 ft. (3.8 m) 25 ft. (7.6 m) 50 ft. (15.2 m)			Type	Rated Output	Electrode Range
	CS410-12	CS410-25	CS410-50			
W-410	CS410-12	CS410-25	CS410-50	Water-cooled	DC: 410 A at 100% duty cycle, AC: 310 A at 100% duty cycle	.020-5/32 in. (0.5-4.0 mm)

Weldcraft™ W-125 Micro Series

See literature AY/25.0

Formerly known as WP-125 Series



Water-cooled MicroTig® torches designed for limited-access joints.

Low-profile nozzle fits into holes as small as 5/8-inch diameter. **45-degree, 90-degree, and 180-degree options** improve access in tight areas.

Lower maintenance costs incurred with the replaceable silicone rubber insulator and head components.

Applications

- Aerospace ▪ Food/beverage industry
- HVAC ▪ Automotive ▪ Petro/chemical
- Precision fabrication

Most popular consumables

- 90° Chucks
125C40-90 .040 in. (1.0 mm)
125C116-90 1/16 in. (1.6 mm)
125C332-90 3/32 in. (2.4 mm)
 - 90° Glass Nozzle (all sizes) 125N90
- Other nozzles are available.



Model	Braided Rubber 12.5 ft. (3.8 m)		Vinyl 12.5 ft. (3.8 m)		Type	Rated Output	Electrode Range
	12.5 ft. (3.8 m)	25 ft. (7.6 m)	12.5 ft. (3.8 m)	25 ft. (7.6 m)			
W-125 Medium Micro	WP-125M-12-R	WP-125M-25-R	WP-125M-12	WP-125M-25	Water-cooled	DC: 125 A at 100% duty cycle AC: 80 A at 100% duty cycle	.040-3/32 in. (1.0-2.4 mm)
W-125 Long Micro	WP-125L-12-R	WP-125L-25-R	WP-125L-12	WP-125L-25			

Weldcraft™ W-500

See literature AY/35.0

Formerly known as WP-12



Dependable water-cooled torch designed for high-capacity, demanding applications.

Comfort and reduced downtime due to the sealed water chamber that minimizes torch overheating.

Heavy-duty components provide reliable welding performance, even after continuous and demanding use.

100-percent-copper construction ensures maximum thermal conductivity.

Applications

- Heavy fabrication ▪ Tool and die
- Pipe and tube fabrication
- Pressure vessel fabrication

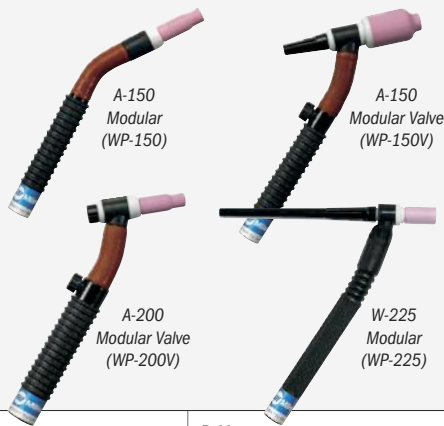
Most popular consumables

- Insulator (required) 12NG
- Collets
85Z17 5/32 in. (4.0 mm)
85Z18 3/16 in. (4.8 mm)
85Z19 1/4 in. (6.4 mm)
- Collet Body (all sizes) 11WP65
- Alumina Nozzles
14N59 #6, 3/8 in.
14N60 #7, 7/16 in.
14N61 #8, 1/2 in.
14N61-10 #10, 5/8 in.
14N61-12 #12, 3/4 in.

Model	Rubber 12.5 ft. (3.8 m)		Type	Rated Output	Electrode Range
	12.5 ft. (3.8 m)	25 ft. (7.6 m)			
W-500	WP-12-12	WP-12-25	Water-cooled	DC: 500 A at 100% duty cycle, AC: 350 A at 100% duty cycle	1/16-1/4 in. (1.6-6.4 mm)

Weldcraft™ Modular Series

See literature AY/36.0



Air-cooled and water-cooled torches engineered to weld multiple joint configurations for various applications and angles.

Built-in, efficient cooling system reduces overheating to extend parts and consumable life.

Modular design minimizes costs and downtime for torch changeover and parts inventory.

Easy configurable head options provide greater flexibility and joint access, and minimize downtime for torch changeover.

Gas valve provides greater shielding gas flow control (A-150 Modular Valve and A-200 Modular Valve).

Applications

- Maintenance and repair ▪ Aerospace
- Metal art ▪ Food/beverage industry
- Petro/chemical ▪ Shipbuilding
- Manufacturing ▪ Vocational
- Precision fabrication ▪ Tube and pipe

Most popular accessories



- **Accessory Kit**
AK-150MFC For A-150 torch
AK-225MFC For W-225 torch

Model	Rubber 12.5 ft. (3.8 m)		2-Piece Rubber 12.5 ft. (3.8 m)		Type	Rated Output (Torch head dependent)	Electrode Range (Torch head dependent)
	12.5 ft. (3.8 m)	25 ft. (7.6 m)	12.5 ft. (3.8 m)	25 ft. (7.6 m)			
A-150 Modular	WP-150-12-R	WP-150-25-R	WP-150-12-2	WP-150-25-2	Air-cooled	DC: 150 A at 60% duty cycle AC: 105 A at 60% duty cycle	.020-1/8 in. (0.5-3.2 mm)
A-150 Modular Valve	WP-150V-12-R	WP-150V-25-R	WP-150V-12-2	WP-150V-25-2			
A-200 Modular Valve	WP-200V-12-R	WP-200V-25-R	—	—	Air-cooled	DC: 200 A at 60% duty cycle AC: 150 A at 60% duty cycle	.020-5/32 in. (0.5-4.0 mm)

Model	Braided Rubber 12.5 ft. (3.8 m)		Vinyl 12.5 ft. (3.8 m)		Type	Rated Output (Torch head dependent)	Electrode Range (Torch head dependent)
	12.5 ft. (3.8 m)	25 ft. (7.6 m)	12.5 ft. (3.8 m)	25 ft. (7.6 m)			
W-225 Modular	WP-225-12-R	WP-225-25-R	WP-225-12	WP-225-25	Water-cooled	DC: 225 A at 100% duty cycle AC: 160 A at 100% duty cycle	.020-5/32 in. (0.5-4.0 mm)