

Weldcraft™ W-125 Micro Series

Formerly WP-125 Series

Hand-Held Water-Cooled
TIG Welding Torches



Quick Specs

Models

W-125 Medium Micro
W-125 Long Micro

Applications

Aerospace
Food/beverage industry
HVAC
Light and heavy manufacturing

Maintenance and repair
Petro/chemical
Precision fabrication

Rated Output

DC: 125 A, AC: 80 A

Duty Cycle 100%

Electrode Range

.040–3/32 in. (1.0–2.4 mm)

W-125 Micro Series TIG torches

Formerly known as the WP-125 Series, the W-125 Micro Series is comprised of 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.

Note: Torches delivered may vary slightly from images shown.



W-125 Medium Micro
(WP-125M)

W-125 Long Micro
(WP-125L)



Optional nozzles are available (see page 3)



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f t y i n



Torch Packages

Models		Braided Rubber		Vinyl	
Old Model	New Name	12.5 ft. (3.8 m)	25 ft. (7.6 m)	12.5 ft. (3.8 m)	25 ft. (7.6 m)
WP-125M	W-125 Medium Micro	WP-125M-12-R	WP-125M-25-R	WP-125M-12	WP-125M-25
WP-125L	W-125 Long Micro	WP-125L-12-R	WP-125L-25-R	WP-125L-12	WP-125L-25

M = Medium (3.5 in.) *L* = Long (5 in.)

Torch packages include torch body, handle, power cable, gas hose, water hose, 45-degree nozzle, 45-degree 1/16-inch chuck, and collet body wrench.

Connectors

Power cable connectors



195380
50 mm Dinse-style gas thru with gas and water return lines for water-cooled torch.



195377
50 mm Dinse-style with water return line for water-cooled torch.



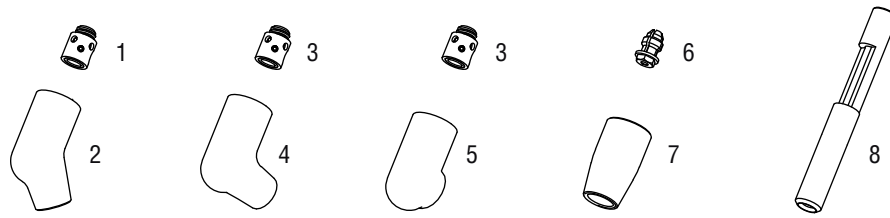
45V11
Power cable adapter for water-cooled torch.



225028
50 mm thread-lock-style for water-cooled torch.

Machines	Connection Type	1-Piece Power Cable Connectors
TIG Machines		
Syncrowave® 200/210	50 mm Dinse-style gas thru	195380
Syncrowave® 250 DX/350 DX (Dinse)	50 mm Dinse-style	195377
Syncrowave® 250 DX/350 DX (stud)	1/2 in. stud	45V11
Dynasty® 200/210/280/350, Maxstar® 200/210/280/350	50 mm Dinse-style	195377
Dynasty® 700, Maxstar® 700	50 mm thread-lock	225028
Multiprocess Machines		
Dimension™ 302/452/NT 450/652	1/2 in. stud	45V11
PipeWorx	1/2 in. stud	45V11
XMT® 304/350	50 mm Dinse-style	195377
XMT® 450	1/2 in. stud	45V11
Engine-Driven Machines		
Most Big Blue®, Trailblazer®, Bobcat™, Blue Star® and Wildcat® models	1/2 in. stud	45V11
Big Blue® 450 Duo CST	50 mm Dinse-style	195377
General Reference		
	50 mm Dinse-style	195377
	50 mm Dinse-style gas thru	195380
	50 mm thread-lock	225028
	1/2 in. stud	45V11
Other Adapter		
	Stud to dinse-style adapter	232728

Consumables (Refer to Owner's Manual for additional replacement parts.)



45° Non-Gas Lens

Electrode Size — inch (mm)	.020 (0.5)	.040 (1.0)	1/16 (1.6)	3/32 (2.4)
1 Chuck 45°	—	125C40-45	125C116-45	125C332-45
2 Glass Nozzle 45°	—	125N45	125N45	125N45
* Quartz Nozzle 45°	—	125N45Q	125N45Q	125N45Q

90° Non-Gas Lens

3 Chuck 90°	—	125C40-90	125C116-90	125C332-90
4 Glass Nozzle 90°	—	125N90	125N90	125N90
* Quartz Nozzle 90°	—	125N90Q	125N90Q	125N90Q
5 Glass Nozzle 90° Short	—	125N90S	125N90S	125N90S
* Quartz Nozzle 90° Short	—	125N90SQ	125N90SQ	125N90SQ

180° Non-Gas Lens

6 Chuck 180°	50C20	50C40	125C116	—
7 Glass Nozzle 180°	125N180	125N180	125N180	—
* Quartz Nozzle 180°	125N180Q	125N180Q	125N180Q	—

Chuck Wrench

8 53N20

*Not shown.

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.

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



Type	Diameter in. (mm)	Part #	Type	Diameter in. (mm)	Part #
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.	0.040 (1.0)	WC040X7	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)	—
	1/16 (1.6)	WC116X7		1/16 (1.6)	WP116X7
	3/32 (2.4)	WC332X7		3/32 (2.4)	WP332X7
	1/8 (3.2)	WC018X7		1/8 (3.2)	WP018X7
	5/32 (4.0)	WC532X7		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.	0.040 (1.0)	WL2040X7	Combines the best of all alloying elements, and provides excellent arc stability in AC or DC welding.	0.040 (1.0)	—
	1/16 (1.6)	WL2116X7		1/16 (1.6)	WG116X7
	3/32 (2.4)	WL2332X7		3/32 (2.4)	WG332X7
	1/8 (3.2)	WL2018X7		1/8 (3.2)	WG018X7
	5/32 (4.0)	WL2532X7		5/32 (4.0)	—

Replacement Parts

Torch Bodies

W-125 Medium	WP-125M
W-125 Long	WP-125L

Handles

Ribbed	53N06R
Knurled	53N06

Braided Rubber Power Cables and Hoses

	12.5 ft. (3.8 m)	25 ft. (7.6 m)
Power Cable	45V03RR	45V04RR
Water Hose*	45V07RBB	45V08RBB
Gas Hose*	45V09R	45V10R

Vinyl Power Cables and Hoses

	12.5 ft. (3.8 m)	25 ft. (7.6 m)
Power Cable	45V03HD	45V04HD
Water Hose*	45V07HD	45V08HD
Gas Hose*	45V09	45V10

*Requires hose clamp 53N04.

Genuine Miller® Accessories



Accessory Kit **AK125C**

Includes one of each size (180°, 45°, 90°, 90° short) glass nozzle, and one of each size (.040, 1/16 inch) of the following: 180-degree chuck, 45-degree chuck, 90-degree chuck, and 7-inch 2% ceriated tungsten electrode.

Extension Kit

EK-1-25-R 25 ft. (7.6 m), rubber



Cable Covers

WC-3-22 22 ft. (6.7 m)



Wireless Remote Foot Control **300429**

For remote current and contactor control. Receiver plugs directly into the

14-pin receptacle of Miller machine. 90-foot (27.4 m) operating range.



Wireless Remote Hand Control **300430**

For remote current and contactor control. Receiver plugs directly into the 14-pin receptacle of Miller machine.

300-foot (91.4 m) operating range.



RCC-14 Remote Contactor and Current Control **151086**

East/west rotary-motion fingertip control attaches to TIG torch using two hook-and-loop fasteners. Includes 26.5-foot (8 m) cord with 14-pin plug.



RCCS-14 Remote Contactor and Current Control **043688**

North/south rotary-motion fingertip control attaches to TIG torch using two hook-and-loop fasteners. Includes 26.5-foot (8 m) cord with 14-pin plug.



Low-Conductivity TIG Coolant **043810**

Sold in multiples of four in 1-gallon recyclable plastic bottles. Miller coolants contains a base of ethylene glycol and deionized water

to protect against freezing to -37° Fahrenheit (-38°C) or boiling to 227° Fahrenheit (108°C).

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