

# 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)



Torch is warranted for 1 year parts.



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## Torch Packages

Models		Braided Rubber	Vinyl
<b>Old Model</b>	<b>New Name</b>	<b>25 ft. (7.6 m)</b>	<b>25 ft. (7.6 m)</b>
WP-125M	W-125 Medium Micro	<b>WP-125M-25-R</b>	<b>WP-125M-25</b>
WP-125L	W-125 Long Micro	<b>WP-125L-25-R</b>	<b>WP-125L-25</b>

*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



**195 380**  
50-mm Dinse-style gas thru with gas and water return lines for water-cooled torch.



**195 377**  
50-mm Dinse-style with water return line for water-cooled torch.



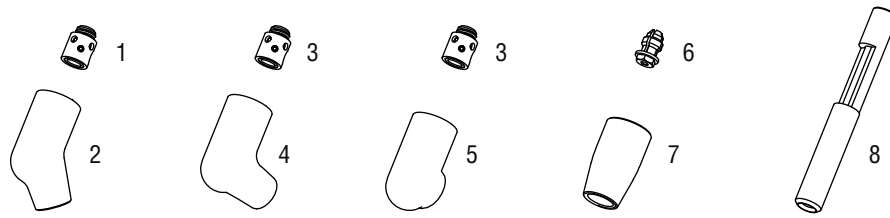
**45V11**  
Power cable adapter for water-cooled torch.



**225 028**  
50-mm thread-lock-style for water-cooled torch.

Machines	Connection Type	1-Piece Power Cable Connector
<b>TIG Machines</b>		
Syncrowave® 200/210	50-mm Dinse, Gas Thru	<b>195 380</b>
Syncrowave® 250 DX/350 DX (Dinse)	50-mm Dinse	<b>195 377</b>
Syncrowave® 250 DX/350 DX (Stud)	1/2-in. Stud	<b>45V11</b>
Dynasty® 200/280/350, Maxstar® 200/280/350	50-mm Dinse	<b>195 377</b>
Dynasty® 700, Maxstar® 700	50-mm Thread-Lock	<b>225 028</b>
<b>Multiprocess Machines</b>		
Dimension™ 302/452/NT 450/652	1/2-in. Stud	<b>45V11</b>
PipeWorx	1/2-in. Stud	<b>45V11</b>
XMT® 304/350	50-mm Dinse	<b>195 377</b>
XMT® 450	1/2-in. Stud	<b>45V11</b>
<b>Engine-Driven Machines</b>		
Most Big Blue®, Trailblazer®, Bobcat™, Blue Star® and Wildcat® models	1/2-in. Stud	<b>45V11</b>
Big Blue® 450 Duo CST	50-mm Dinse	<b>195 377</b>
<b>General Reference</b>		
	50-mm Dinse	<b>195 377</b>
	50-mm Dinse, Gas Thru	<b>195 380</b>
	50-mm Thread-Lock	<b>225 028</b>
	1/2-in. Stud	<b>45V11</b>
<b>Other Adapter</b>		
	Stud to Dinse Adapter	<b>232 728</b>

## 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 seven-inch (175 mm) tungsten electrodes.

Note: Refer to manufacturer MSDS 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 #
<b>2% Ceriated (EWCe-2)</b>			<b>Pure (EWP)</b>		
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)	—
<b>2% Lanthanated (EWLa-2)</b>			<b>Rare Earth (EWG)</b>		
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)	—

## Genuine Miller® Accessories



### Wireless Remote Foot Control #300 429

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 #300 430

For remote current and contactor control. Receiver plugs directly into the 14-pin receptacle of Miller machine. 300-foot (91.4 m) operating range.



### RCCS-14 Remote Contactor and Current Control #043 688

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



### RCC-14 Remote Contactor and Current Control #151 086

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



### Cable Covers

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

### Extension Kit

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



### Low-Conductivity TIG Coolant #043 810

Sold in multiples of four in one-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).



### #AK125C Accessory Kit

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.

Distributed by:

