

# Weldcraft™ A-125 Series

## Formerly WP-9 Series

Hand-Held Air-Cooled  
TIG Welding Torches 

### Quick Specs

#### Models

A-125	A-125 Flex Redhead™
A-125 Valve	A-125 Flex Valve Redhead™
A-125 Flex	A-125 Pencil
A-125 Flex Valve	

#### Applications

Maintenance and repair  
Home/hobby  
Metal art/sculpture  
Motorsports  
Fabrication

#### Rated Output

DC: 125 A, AC: 100 A

**Duty Cycle** 60%

#### Electrode Range

.020–1/8 in. (0.5–3.2 mm)

### A-125 Series TIG torches

Formerly known as the WP-9 Series, the A-125 Series torches are designed for optimal control while welding thin-gauge materials, especially in hard-to-reach places. This series offers a variety of configurations suited to diverse welding applications.

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

**Perfected control.** The gas valve in the A-125 Valve offers improved shielding gas control.

**Flexibility.** Using the A-125 Flex, the flexible neck easily adjusts to any angle for improved torch control.

**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.

*Note: Torches delivered may vary slightly from images shown.*



A-125  
(WP-9)



A-125 Valve  
(WP-9V)

### Additional torch models



A-125 Flex  
(WP-9F)



A-125 Flex Valve  
(WP-9FV)



A-125 Flex Redhead  
(WP-9RF)



A-125 Flex Valve Redhead  
(WP-9RFV)



A-125 Pencil  
(WP-9P)



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MillerWelds.com



## Torch Packages

Models		1-Piece Power Cable Standard Rubber		2-Piece Power Cable Rubber	
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-9	A-125	WP-9-12-R	WP-9-25-R	WP-9-12-2	WP-9-25-2
WP-9V	A-125 Valve	WP-9V-12-R	WP-9V-25-R	WP-9V-12-2	WP-9V-25-2
WP-9F	A-125 Flex	WP-9F-12-R	WP-9F-25-R	—	—
WP-9FV	A-125 Flex Valve	WP-9FV-12-R	WP-9FV-25-R	WP-9FV-12-2	WP-9FV-25-2
WP-9P	A-125 Pencil	WP-9P-12-R	WP-9P-25-R	—	—

V = Valve F = Flex FV = Flex Valve P = Pencil

Torch packages include torch body, handle, power cable, and long back cap (excluding the A-125 Pencil model).

## Connectors

### 1-piece power cable connectors



**194722**  
50 mm Dinse-style gas thru for one-piece air-cooled torch.



**195378**  
50 mm Dinse-style for one-piece air-cooled torch.



**105257**  
Power cable adapter for one-piece air-cooled torch.



**273483**  
25 mm (small) Dinse-style gas thru one-piece air-cooled torch.

### 2-piece power cable connector

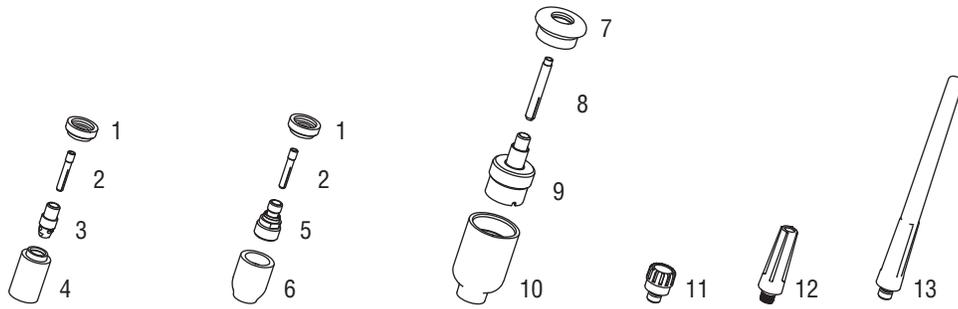


**129527**  
50 mm Dinse-style for two-piece cable air-cooled torch.

Machines	Connection Type	1-Piece Power Cable Connectors	2-Piece Power Cable Connectors
<b>TIG Machines</b>			
Syncrowave® 200/210	50 mm Dinse-style gas thru	<b>194722</b>	<b>129527*</b>
Syncrowave® 250 DX/350 DX (Dinse)	50 mm Dinse-style	<b>195378</b>	<b>129527</b>
Syncrowave® 250 DX/350 DX (stud)	1/2 in. stud	<b>105257</b>	N/A
Maxstar® 150 STL/STH	25 mm (small) Dinse-style gas thru	<b>273483</b>	<b>127836*</b>
Dynasty® 200/210/280/350, Maxstar® 200/210/280/350	50 mm Dinse-style	<b>195378</b>	<b>129527</b>
<b>Multiprocess Machines</b>			
Multimatic™ 200	25 mm (small) Dinse-style gas thru	<b>273483</b>	<b>127836*</b>
Dimension™ 302/452/NT 450/652	1/2 in. stud	<b>105257</b>	N/A
PipeWorx	1/2 in. stud	<b>105257</b>	N/A
XMT® 304/350	50 mm Dinse-style	<b>195378</b>	<b>129527</b>
XMT® 450	1/2 in. stud	<b>105257</b>	N/A
<b>Engine-Driven Machines</b>			
Most Big Blue®, Trailblazer®, Bobcat™, Blue Star® and Wildcat® models	1/2 in. stud	<b>105257</b>	N/A
Big Blue® 450 Duo CST	50 mm Dinse-style	<b>195378</b>	<b>129527</b>
<b>General Reference</b>			
	25 mm (small) Dinse-style gas thru	<b>273483</b>	N/A
	50 mm Dinse-style	<b>195378</b>	<b>129527</b>
	50 mm Dinse-style gas thru	<b>194722</b>	N/A
	1/2 in. stud	<b>105257</b>	N/A
<b>Other Adapter</b>			
	Stud to dinse-style adapter	<b>232728</b>	

\*2-piece power cable connector is not gas thru.

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



Non-Gas Lens									
Electrode Size — inch (mm)	.020 (0.5)		.040 (1.0)		1/16 (1.6)		3/32 (2.4)		1/8 (3.2)
1 Insulator (required)	598882		598882		598882		598882		598882
2 Collet	13N20		13N21		13N22		13N23		13N24
3 Collet Body	13N25		13N26		13N27		13N28		13N29
Nozzle Size — size # (inch)	3 (3/16)	4 (1/4)	5 (5/16)	6 (3/8)	7 (7/16)	8 (1/2)	10 (5/8)	12 (3/4)	Short
4 Alumina	—	13N08	13N09	13N10	13N11	13N12	13N13	—	—
* Lava	—	13N14	13N15	13N16	13N17	13N18	13N19	—	—
* Long Lava	796F70	796F71	796F72	796F73	—	—	—	—	—
* X-Long Lava	796F74	796F75	796F76	796F77	—	—	—	—	—
Gas Lens									
Electrode Size — inch (mm)	.020 (0.5)		.040 (1.0)		1/16 (1.6)		3/32 (2.4)		1/8 (3.2)
1 Insulator (required)	598882		598882		598882		598882		598882
2 Collet	13N20		13N21		13N22		13N23		13N24
5 Gas Lens	45V41		45V42		45V43		45V44		45V45
Nozzle Size — size # (inch)	3 (3/16)	4 (1/4)	5 (5/16)	6 (3/8)	7 (7/16)	8 (1/2)	10 (5/8)	12 (3/4)	Short
6 Alumina Gas Lens	—	53N58	53N59	53N60	53N61	53N61S	—	—	—
Large Diameter Gas Lens									
Electrode Size — inch (mm)	.020 (0.5)		.040 (1.0)		1/16 (1.6)		3/32 (2.4)		1/8 (3.2)
7 Insulator (required)	54N63-20		54N63-20		54N63-20		54N63-20		54N63-20
8 Collet	13N20L		13N21L		13N22L		13N23L		13N24L
9 Large Diameter Gas Lens	45V0204S		45V0204S		45V116S		45V64S		995795S
Nozzle Size — size # (inch)	3 (3/16)	4 (1/4)	5 (5/16)	6 (3/8)	7 (7/16)	8 (1/2)	10 (5/8)	12 (3/4)	Short
10 Large Dia. Gas Lens	—	—	—	57N75	—	57N74	53N88	53N87	53N89
* Large Dia. Gas Lens-L	—	—	—	57N75L	—	57N74L	53N88L	53N87L	—
* Large Dia. Gas Lens-XL	—	—	—	57N75XL	—	57N74XL	53N88XL	53N87XL	—
* Large Dia. Gas Lens-XXL	—	—	—	57N75XXL	—	57N74XXL	53N88XXL	53N87XXL	—
Back Caps									
11 Short	41V33		12 Medium 41V35		13 Long 41V24				

\*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 #
<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)	<b>WC040X7</b>	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)	<b>WC116X7</b>		1/16 (1.6)	<b>WP116X7</b>
	3/32 (2.4)	<b>WC332X7</b>		3/32 (2.4)	<b>WP332X7</b>
	1/8 (3.2)	<b>WC018X7</b>		1/8 (3.2)	<b>WP018X7</b>
	5/32 (4.0)	<b>WC532X7</b>		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)	<b>WL2040X7</b>	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)	<b>WL2116X7</b>		1/16 (1.6)	<b>WG116X7</b>
	3/32 (2.4)	<b>WL2332X7</b>		3/32 (2.4)	<b>WG332X7</b>
	1/8 (3.2)	<b>WL2018X7</b>		1/8 (3.2)	<b>WG018X7</b>
	5/32 (4.0)	<b>WL2532X7</b>		5/32 (4.0)	—

## Replacement Parts

Torch Bodies		
A-125		<b>WP-9</b>
A-125 Valve		<b>WP-9V</b>
A-125 Flex		<b>WP-9F</b>
A-125 Flex Valve		<b>WP-9FV</b>
A-125 Redhead™ Flex		<b>WP-R9F</b>
A-125 Redhead™ Flex Valve		<b>WP-R9FV</b>
Handles		
A-125 (ribbed)		<b>H-100R</b>
A-125 Valve (knurled)		<b>H-100</b>
A-125 Flex (ribbed)		<b>105Z55R</b>
A-125 Flex Valve (knurled)		<b>105Z55</b>
Flex Head Only		
A-125 Flex/Flex Valve		<b>9F</b>
A-125 Redhead™ Flex/Flex Valve		<b>R9F</b>
Valve Knob		
All valve models		<b>VS-2</b>
Power Cables and Hoses		
	<b>12.5 ft. (3.8 m)</b>	<b>25 ft. (7.6 m)</b>
Rubber	<b>57Y01R</b>	<b>57Y03R</b>
Mono Flex™	<b>57Y01MF</b>	<b>57Y03MF</b>
2-Piece Rubber	<b>57Y01-2</b>	<b>57Y03-2</b>

## Genuine Miller® 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 inch) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode.



**Accessory Kit AK-150MFC**  
Allows welding operators to customize their standard A-150 (WP-17) or A-125 (WP-9) TIG torch for their specific application. Kit converts into 28 different torch styles while using the A-150 and A-125 existing cable. Features collets, collet bodies, nozzles, torch heads, handle and more.

**Extension Kit EK-2-25-R** 25 ft. (7.6 m), rubber



**Cable Covers**  
**WC-3-10** 10 ft. (3 m)  
**WC-3-22** 22 ft. (6.7 m)  
**WC-3-48** 48 ft. (14.6 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.

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