

MAGNUM[®] PRO WATER-COOLED WELDING GUNS

IMPROVING COMFORT AND PERFORMANCE



KEY FEATURES

The Magnum[®] PRO Water-Cooled Welding Guns are built to tackle high-heat applications while maintaining operator comfort.

- **100% Duty Cycle** – The 400A and 500A guns run at 100% duty cycle using 90/10 mixed gas, making them ideal for high heat applications.
- **Premium Tip Performance** – The large diameter and mass of the Magnum PRO Copper Plus[®] contact tips help disperse heat and keep the tips cooler, expanding their life.
- **Expendables Built for High Heat** – The 500A water-cooled gooseneck design keeps the nozzle cool in high-heat applications.
- **Over-Molded Handle Design** – The soft rubber over molding enhances comfort and allows for an easier grip of the gun.

Processes »

MIG, Pulsed MIG, FCAW

Output »



Input »



Product Number »

See product specifications table for details

What's Included »

- » 45° Gun Tube – KP4527-45 (400A Guns), KP4526-45 (500A Guns)
- » Diffuser – KP4380-1
- » 0.045 in. Contact Tip – KP2745-045
- » 1/8 in. Recessed, 5/8 in. ID Nozzle – KP4523-1-62R
- » Cable Liner - See Product Specifications Table

EXPENDABLE PARTS

CONTACT TIPS, 550A

Wire Diameter, in. (mm)	Standard, qty. 10	Standard, qty. 100	Extended Life, qty. 10	Extended Life, qty. 100
0.035 [0.9]	KP2745-035	KP2745-035-B100	KP2745-035R	KP2745-035R-B100
0.040 [1.0]	KP2745-040	KP2745-040-B100	KP2745-040R	KP2745-040R-B100
0.045 [1.2]	KP2745-045	KP2745-045-B100	KP2745-045R	KP2745-045R-B100
0.052 [1.3]	KP2745-052	KP2745-052-B100	KP2745-052R	KP2745-052R-B100
1/16 [1.6]	KP2745-116	KP2745-116-B100	KP2745-116R	KP2745-116R-B100
0.068-0.072 [1.7-1.8]	KP2745-072	KP2745-072-B100	KP2745-072R	KP2745-072R-B100
5/64 [2.0]	KP2745-564	KP2745-564-B100	KP2745-564R	KP2745-564R-B100

DIFFUSERS

Quantity	Product Number
1	KP4380-1
25	KP4380-1-B25

GUN TUBES

Description	Degree	Product Number
Water Cooled, 500A	45°	KP4526-45 ^[1]
Water Cooled, 500A	60°	KP4526-60 ^[1]
Water Cooled, 500A Extended Length	45°	KP4526-45L3 ^[1]
Water Cooled, 500A Extended Length	60°	KP4526-60L3 ^[1]
Water Cooled, 400A	45°	KP4527-45 ^[2]
Water Cooled, 400A	60°	KP4527-45 ^[2]

^[1]For use with Magnum PRO Water-Cooled 500A Gun only.

^[2]For use with Magnum PRO Water-Cooled 400A Gun only.

NOZZLES

Nozzle Type	Quantity	5/8 in. ID	1/2 in. ID	3/4 in. ID
1/8 in. Recess	1	KP4523-1-62R	KP4523-1-50R	KP4523-1-75R
	25	KP4523-1-62R-B25	KP4523-1-50R-B25	KP4523-1-75R-B25
Flush	1	KP4523-1-62F	KP4523-1-50F	KP4523-1-75F
	25	KP4523-1-62F-B25	KP4523-1-50F-B25	KP4523-1-75F-B25
1/8 in. Stickout	1	KP4523-1-62S	KP4523-1-50S	KP4523-1-75S
	25	KP2743-1-62S-B25	KP4523-1-50S-B25	KP4523-1-75S-B25

NOTE: More nozzle sizes available at www.lincolnelectric.com

LINERS

Wire Diameter, in. (mm)	Product Number	Length ft. (m)
0.035-0.045 [0.9-1.2]	KP44-3545-15	15 (4.5)
	KP44-3545-25	25 (7.6)
0.052-1/16 [1.3-1.6]	KP44-116-15	15 (4.5)
	KP44-116-25	25 (7.6)
1/16-5/64 [1.6-2.0]	KP44-564-15	15 (4.5)
	KP44-564-25	25 (7.6)
3/32 [2.4]	KP44-332-6	6 (1.8)
	KP44-332-15	15 (4.5)
	KP44-332-25	25 (7.6)

EXPENDABLE PARTS, CON'T.

GUN CONNECTOR KITS

Manufacturer	Wire Feeder Model	Product Number
Lincoln Electric®	LN-7™ Series, LN-8™, LN-9™, LN-25® (up to 0.052 in./1.4 mm wire), LN-23P™	K466-1
	LN-8, LN-9 Series, LN-25 (1/16 in./1.6 mm and larger), LN-23P	K466-8
	LF-72™, LF-74™ Series, Flex Feed® 74 HT, Flex Feed 84, LN-25 PRO, LN-25X™, Activ8®, Activ8X®	K466-10
	Power Feed® 10, 10M, 25M, and 84	K466-10
Tweco® Adapted	No. 2, No. 3, No. 4 Guns	K466-2
Miller®	Intellimatic®, Sidekick, D-51A, Porto-MIG™ Millermatic® 130, 200, MM-35, S-42GL, S-52A, Swing Arc-Dual, Swing Arc-Single™, S-32S, 52D, 54D, 54E, 60 Series	K466-3

*All K466 series connectors are interchangeable on the K4521-2-10-45, K4522-X-10-XX and K4885-2-10-332 guns. The K4521-2-FM-45, K4522-X-FM-45 and K4885-2-FM-332 guns have fixed Fast-Mate® back end connections.

RECOMMENDED ACCESSORIES

GENERAL OPTIONS



Cool Arc® 40 Water Cooler

A reliable water cooler available in both 115 and 230 volt models, it is compatible with all Lincoln Electric water-cooled systems. Features an industry standard rugged industrial pump.

Order K1813-1 for 115V/1/50/60

Order K2187-1 for 220-240V/1/50/60



Cool Arc 55 Water Cooler

Designed to integrate with Power Wave S350 and S500 power sources to cool water-cooled welding guns or torches rated up to 500 amps. 115V/1/60.

Order K3086-1



Cool Arc 55S Water Cooler

The 55S model includes an ArcLink® communication flow sensor that detects water flow to prohibit welding when no flow is present.

Order K3086-2



Shown:
25 ft. (7.6 m) Hose

Water Hose Kit

Hose used to connect the Magnum PRO Water-Cooled Gun to a Cool Arc 55.

Order

K4544-7 for 7 ft. (2.1 m) Hose

K4544-25 for 25 ft. (7.6 m) Hose



Quick Connect Water Adapter

Use with the K4544-7 or K4544-25 to connect the Magnum PRO Water-Cooled Gun to the Cool Arc 40.

Order KP1529-1

PRODUCT SPECIFICATIONS

Product Name	Product Number	Amperage Rating (with Mixed Gas)	Wire Size Range in (mm)	Cable Liner	Back End Connector	Cable Length ft. (m)	
Magnum PRO Water-Cooled Guns							
400A Gun	K4521-2-10-45	400A @ 100%	.035-5/64 (0.9-2.0)	KP44-3545-15	K466-10	15 (4.5)	
	K4521-2-FM-45				Fast-Mate		
500A Gun	K4522-1-10-45	500A @ 100%			KP44-3545-25	K466-10	10 (3.0)
	K4522-1-FM-45					Fast-Mate	
	K4522-2-10-45					K466-10	15 (4.5)
	K4522-2-FM-45					Fast-Mate	
	K4522-3-10-45			20 (6.1)	K466-10	25 (7.6)	
	K4522-3-FM-45				Fast-Mate		
	K4522-4-10-45			15 (4.5)	K466-10	15 (4.5)	
	K4522-4-FM-45				Fast-Mate		
K4522-2-10-564	KP44-564-15	K466-10		15 (4.5)			
K4885-2-10-332*	KP44-332-15	Fast-Mate					
K4885-2-FM-332*							

*Comes standard with a KP4526-60L3 Extended Length Gun Tube

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