PRISM® MOBILE

LOW VACUUM MOBILE WELDING FUME EXTRACTORS



Prism Mobile shown with Prism Mobile 10 ft. Extraction Arm



Prism Mobile with Mechanized Cleaning shown with Prism Mobile 13 ft. Extraction Arm

FUME DOESN'T STAND A CHANCE

Prism Mobile and Prism Mobile with Mechanized Cleaning are low vacuum welding fume extraction and filtration systems. The mobile system is ideal for manufacturing facilities that require mobile source capture fume extraction.

- Generous airflow (750 SCFM) and larger filter capacity requires less change outs
- Filter status indicator monitors the amount of particulate in the filter cartridge to alert the user for filter maintenance or replacement
- Choose from a variety of extraction arms or a hose and hood set
- The Arc Sensor provides automatic on and off operation in models having extraction arms equipped with an arc sensor and lamp kit

[1] Not suitable for use with plasma cutting, oxy-fuel, grinding or arc gouging operations.

Processes[1] »
Stick, TIG, MIG, Flux-Cored

Product Number »

Prism Mobile:
K1653-5 (Base Unit, MERV 16 Filter)
K1653-6 (Base Unit, HEPA Filter)
K2497-12 (Base Unit Export, MERV 16 Filter)
K2497-15 (Base Unit Export, MERV 16 Filter)
K2497-20 (Base Unit Export, HEPA Filter)

Prism Mobile with Mechanized Cleaning:
K1741-3 (Base Unit, MERV 14 Filter)
K1741-4 (Base Unit, MERV 16 Filter)
K2497-14 (Base Unit Export, MERV 14 Filter)

Input »

1 PHASE | 60 Hz | 50 Hz

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KEY FEATURES Continued

- **Internal Spark Arrestor -** Functions as a pre-filter for larger sized particulate, and prevents sparks from reaching the filter.
- **Prism Mobile -** Filter status indicator is a color-coded visual guide to show remaining filter life.
- **Prism Mobile with Mechanized Cleaning -** RotaPulse™ is an automatic filter cleaning system to help extend filter life and reduce maintenance. (Compressed air required)

WHAT'S INCLUDED

Base Units

- **Filter**
- **Plastic Housing**
- **2 ft (0.6 m) Flexible Hose**
- **One-Pak® Packages - See pages 3-5**

RECOMMENDED ACCESSORIES

General



Fume Extraction Arms
These flexible, lightweight extraction arms are rugged, reliable, and dent and scratch resistant. Built with the welder in mind, the arms come equipped with the 360° rotatable hood for optimal positioning.
Order
K2633-5 PRISM MOBILE FUME ARM, 10 feet long

K2633-6 PRISM MOBILE FUME ARM, 10 feet long with Arc Sensor/ Lamp kit

K2633-7 PRISM MOBILE FUME ARM, 13 feet long

K2633-8 PRISM MOBILE FUME ARM, 13 feet long with Arc Sensor/ Lamp kit



Hose and Hood Set
Length 16.4 ft (5 m)
Diameter 8 in (203 mm)
Order
K1668-3

Prism Mobile Replacement Filters



MERV 16 (HE, Nano) Filter
Order
KP1673-9



HEPA Filter
Order
KP1673-11



Pre-Filter
Order
KP1673-5



Activated Carbon Filter (optional)
Fits over KP1673-1 and KP1673-9
Order
KP1852-1

Prism Mobile with Mechanized Cleaning Replacement Filters



MERV 14 Filter
Order
KP1673-2



MERV 16 (HE, Nano) Filter
Order
KP1673-10



Pre-Filter
Order
KP1673-6

PACKAGES – WHAT'S INCLUDED

● Included

Description	Product Number			Arm Size/Type			
		MERV 16 Filter (K1653-5)	HEPA FILTER (K1653-6)	Fume Extraction Arm 10 ft (3 m) (K2633-5)	Fume Extraction Arm 10 ft (3 m) with Arc Sensor/Lamp Kit (K2633-6)	Fume Extraction Arm 13 ft (4 m) (K2633-7)	Fume Extraction Arm 13 ft (4 m) with Arc Sensor/ Lamp Kit (K2633-8)
Prism Mobile with MERV 16 Filter							
Prism Mobile with 10 ft (3 m) Arm One-Pak	K4259-6	●		●			
Prism Mobile with 10 ft (3 m) Arm and Arc Sensor/Lamp Kit One-Pak	K4259-7	●			●		
Prism Mobile with 13 ft (4 m) Arm One-Pak	K4259-8	●				●	
Prism Mobile with 13 ft (4 m) Arm and Arc Sensor/Lamp Kit One-Pak	K4259-9	●					●
Prism Mobile with HEPA Filter							
Prism Mobile with 10 ft (3 m) Arm One-Pak	K4259-10		●	●			
Prism Mobile with 10 ft (3 m) Arm and Arc Sensor/Lamp Kit One-Pak	K4259-11		●		●		
Prism Mobile with 13 ft (4 m) Arm One-Pak	K4259-12		●			●	
Prism Mobile with 13 ft (4 m) Arm and Arc Sensor/Lamp Kit One-Pak	K4259-13		●				●

PACKAGES – WHAT'S INCLUDED

Description	Product Number	Base Unit		Arm Size/Type			
		MERV 14 Filter (K1741-3)	MERV 16 Filter (K1741-4)	Fume Extraction Arm 10 ft (3 m) (K2633-5)	Fume Extraction Arm 10 ft (3 m) with Arc Sensor/Lamp Kit (K2633-6)	Fume Extraction Arm 13 ft (4 m) (K2633-7)	Fume Extraction Arm 13 ft (4 m) with Arc Sensor/ Lamp Kit (K2633-8)
Prism Mobile with Mechanized Cleaning with MERV 14 Filter							
Prism Mobile with Mechanized Cleaning with 10 ft. (3 m) Arm One-Pak	K4384-1	•		•			
Prism Mobile with Mechanized Cleaning with 10 ft. (3 m) Arm and Arc Sensor/Lamp Kit One-Pak	K4384-2	•			•		
Prism Mobile with Mechanized Cleaning with 13 ft. (4 m) Arm One-Pak	K4384-3	•				•	
Prism Mobile with Mechanized Cleaning with 13 ft. (4 m) Arm and Arc Sensor/Lamp Kit One-Pak	K4384-4	•					•
Prism Mobile with Mechanized Cleaning with MERV 16 Filter							
Prism Mobile with Mechanized Cleaning with 10 ft. (3 m) Arm One-Pak	K4384-5		•	•			
Prism Mobile with Mechanized Cleaning with 10 ft. (3 m) Arm and Arc Sensor/Lamp Kit One-Pak	K4384-6		•		•		
Prism Mobile with Mechanized Cleaning with 13 ft. (4 m) Arm One-Pak	K4384-7		•			•	
Prism Mobile with Mechanized Cleaning with 13 ft. (4 m) Arm and Arc Sensor/Lamp Kit One-Pak	K4384-8		•				•

PRODUCT SPECIFICATIONS

Product Name	Product Number	Filter Type	Filter Size ft² (m²)	Input Power Voltage/ Phase/Hertz	Input Current	Dimensions H x W x D, in (mm)	Base Unit Net Wt., lb (kg)
Prism Mobile Base Units*							
MERV 16 Filter Base Unit	K1653-5	High-Efficiency MERV 16 Featuring Nano Fibers	538 (50)	120/1/60	6.1A	36 x 32 x 48 (900 x 810 x 1210)	209 (94.8)
HEPA Filter Base Unit	K1653-6	HEPA ePTFE H14					
MERV 16 Filter Base Unit Export	K2497-12	High-Efficiency MERV 16 Featuring Nano Fibers		230/1/50	3.7A		204 (92.5)
MERV 16 Filter Base Unit Export	K2497-15			230/1/60HZ			
HEPA Filter Base Unit Export	K2497-20	HEPA ePTFE H14		230/1/50			
Mechanized Cleaning MERV 14 Filter Base Unit	K1741-3	Cellulose	325 (30)	115/1/60	7.6A	40 x 32 x 48 (1020 x 810 x 1210)	220 (99.7)
Mechanized Cleaning MERV 16 Filter Base Unit	K1741-4	High-Efficiency MERV 16 Featuring Nano Fibers					229 (103.8)
Mechanized Cleaning MERV 14 Filter Base Unit Export	K2497-14	Cellulose		230/1/50	3.8A		224 (101.6)
Mechanized Cleaning MERV 14 Filter Base Unit Export	K2497-16			230/1/60HZ			
Prism Mobile One-Pak Packages							
MERV 16 Filter 10 ft. Arm One-Pak	K4259-6	High-Efficiency MERV 16 Featuring Nano Fibers	538 (50)	120/1/60	6.1A	6 x 32 x 48 (900 x 810 x 1210)	242 (109.8)
MERV 16 Filter 10 ft. Arm and Arc Sensor/Lamp Kit One-Pak	K4259-7						243 (110.2)
MERV 16 Filter 13 ft. Arm One-Pak	K4259-8						246 (111.6)
MERV 16 Filter 13 ft. Arm and Arc Sensor/Lamp Kit One-Pak	K4259-9						247 (112.0)
HEPA Filter 10 ft. Arm One-Pak	K4259-10	HEPA ePTFE H14					242 (109.8)
HEPA Filter 10 ft. Arm and Arc Sensor/Lamp Kit One-Pak	K4259-11						243 (110.2)
HEPA Filter 13 ft. Arm One-Pak	K4259-12						246 (111.6)
HEPA Filter 13 ft. Arm and Arc Sensor/Lamp Kit One-Pak	K4259-13						247 (112.0)
Prism Mobile with Mechanized Cleaning One-Pak Packages							
MERV 14 Filter 10 ft. Arm One-Pak	K4384-1	Cellulose	325 (30)	115/1/60	7.6A	40 x 32 x 48 (1020 x 810 x 1210)	253 (114.7)
MERV 14 Filter 10 ft. Arm and Arc Sensor/Lamp Kit One-Pak	K4384-2						254 (115.2)
MERV 14 Filter 13 ft. Arm One-Pak	K4384-3						257 (116.5)
MERV 14 Filter 13 ft. Arm and Arc Sensor/Lamp Kit One-Pak	K4384-4						258 (117.0)
MERV 16 Filter 10 ft. Arm One-Pak	K4384-5	High-Efficiency MERV 16 Featuring Nano Fibers					262 (118.8)
MERV 16 Filter 10 ft. Arm and Arc Sensor/Lamp Kit One-Pak	K4384-6						263 (119.2)
MERV 16 Filter 13 ft. Arm One-Pak	K4384-7						266 (120.6)
MERV 16 Filter 13 ft. Arm and Arc Sensor/Lamp Kit One-Pak	K4384-8						267 (121.1)

*Base Units do not come with an extraction arm. They must be ordered separately

The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, maintenance of the equipment and the specific welding procedure and application involved. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

Lincoln Electric Product Claim - Weld fume control products manufactured by The Lincoln Electric Company are designed to be utilized as an engineering safety control to aide in achieving adequate ventilation while conducting welding or it's allied processes. The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, and the specific welding procedure and application involved. When the equipment is used as designed - and when properly installed, operated and maintained - it can be a valuable and effective tool to help employers maintain adequate ventilation in the workplace. Lincoln Electric defines adequate ventilation as that which is required to maintain occupational exposure levels below the applicable exposure limits when sound work practices are utilized. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

Lincoln Electric weld fume control products are highly effective at decreasing the occurrence level of thermal events, however thermal events can still happen even if the system is operating as designed.

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, cutting equipment and EV charging systems. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment, or to provide engineering advice in relation to a specific situation or application. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

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