

FUME DOESN'T STAND A CHANCE

MOBIFLEX® MOBILE WELDING FUME EXTRACTORS



*Mobiflex® 400-MS with
required Extraction Arm*

*Mobiflex® 200-M with
required Extraction Arm*

KEY FEATURES

The Mobiflex® 200-M and 400-MS are low vacuum systems for welding fume extraction and filtration. Their size and mobility make them ideal for smaller manufacturing facilities that require light to medium duty welding fume extraction⁽¹⁾ in variable locations.

The Mobiflex is ideally used for:

- » Small Manufacturing Facilities
- » Schools/Training
- » Fabrication
- » Plant Maintenance and Repair

Processes »

Stick, TIG, MIG, Flux-Cored

Product Number »

Mobiflex 200-M:
K1653-2 (Base Unit)
K1653-3 (Base Unit, High-Efficiency Filter)
K2497-2 (Base Unit Export)

Mobiflex 400-MS:
K1741-1 (Base Unit)
K1741-2 (Base Unit, High-Efficiency Filter)
K2497-4 (Base Unit Export)

KEY FEATURES Continued

- » **Generous Airflow:** 735 CFM with LFA 3.1/4.1 extraction arm^[2].
- » **Internal spark arrestor:** Functions as a pre-filter for larger sized particulate. Prevents sparks from reaching the filter.
- » **Optimal motion and reach for work area:** Choose from a variety of extraction arm models or select a hose/hood set.
- » **200-M Model:** Filter status indicator - visual guide to remaining filter life.
- » **400-MS Model:** RotaPulse[®] automatic filter cleaning system reduces maintenance.

BENEFITS

- » **Cleaner work environment:** Reduce dust and dirt in operator and surrounding work areas.
- » **Filter size:** Larger surface area requires fewer changes, helping to lower operational costs.
- » **Extraction Arms:** Allow for optimal motion and reach for multiple work areas.
- » **Front casters and rear wheels:** Provide ideal mobility and positioning.

^[1] Not suitable for use with cutting or arc gouging operations.

^[2] CFM level is dependent upon arm length, fan type and system maintenance.

MOBIFLEX 200-M FILTER SYSTEM

The Mobiflex[®] 200-M has one of the largest disposable filter cartridges in its class; the LongLife filter has a surface area of 538 ft² (50 m²). The combination of filter size and unique 3D-filter pleat structure results in higher filter efficiency, longer filter life, and lower operational costs.

Located on the front of the Mobiflex[®] 200-M is a filter status indicator. The filter status indicator gradually moves from white to red as the filter becomes saturated with particulate, providing visual indication of when system maintenance and filter replacement are necessary.

A washable aluminum pre-filter removes larger-sized particulate and provides spark entrapment.

MOBIFLEX 400-MS FILTER SYSTEM

The LongLife filter in the Mobiflex[®] 400-MS has a surface area of 325 ft² (30 m²). The combination of filter size and wedged-shaped filter pattern results in higher filter efficiency, longer filter life and lower operational costs.

Distinctive to the Mobiflex[®] 400-MS is an electronic pressure differential system for filter cleaning. The system measures static air pressure as it enters and exits the filter cartridge. To activate the filter cartridge cleaning system, the air pressure entering the filter unit must be greater than a set amount of air pressure exiting the unit.

The Mobiflex[®] 400-MS is equipped with a RotaPulse[®] filter cleaning system. Utilizing multiple jets of compressed air (user supplied), the RotaPulse mechanism effectively cleans one section of the filter at a time. A manual switch on the front of the control panel can also activate a complete cleaning cycle. When cleaning the filter cartridge is no longer effective, the electronic circuit will indicate a full filter cartridge by blinking the light on the front control panel.

Required Accessories



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.

LFA 3.1 (10 ft) and LFA 4.1 (13 ft) Extraction Arm

- K2633-1 LFA 3.1
- K2633-2 LFA 3.1 with arc sensor and lamp
- K2633-3 LFA 4.1
- K2633-4 LFA 4.1 with arc sensor and lamp

200 Export LFA 3.1 (3 m) and LFA 4.1 (4 m) Extraction Arm

- K1655-1 LFA 3.1
- K1655-2 LFA 4.1

400 Export LFA 3.1 (3m) and LFA 4.1 (4m)

- K1655-1 LFA 3.1
- K1655-2 LFA 4.1



Hose and Hood Set: K1668-3

Recommended Accessories

GENERAL

- Starter Overload Switch for 230V-K1494-3

MOBIFLEX[®] 200-M

- Cellulose Filter: K1673-1
- Cellulose/Polyester High Efficiency Filter: K1673-3
- Activated Carbon Filter: K1852-1

MOBIFLEX[®] 400-MS

- Cellulose Filter: K1673-2
- Cellulose/Polyester High Efficiency Filter: K1673-4

PRODUCT SPECIFICATIONS

Product Name	Product Number	Filter Type	Filter Size ft ² [m ²]	Input Power Voltage/Phase/Hertz	Input Current	Dimensions H x W x D in. (mm)	Weight lbs. (kg)
Mobiflex 200-M Base Unit	K1653-2	Cellulose	538 [50]	115/1/60	12A	36 x 32 x 48 (900 x 810 x 1210)	181 [82]
Mobiflex 200-M Base Unit	K1653-3	High-Efficiency Cellulose/ Polyester					
Mobiflex 200-M Base Unit Export	K2497-2	Cellulose		230/1/50	9A		
Mobiflex 400-MS Base Unit	K1741-1	Cellulose	325 [30]	115/1/60	12A	40 x 32 x 48 (1020 x 810 x 1210)	212 [96]
Mobiflex 400-MS Base Unit	K1741-2	High-Efficiency Cellulose/ Polyester					
Mobiflex 400-MS Base Unit Export	K2497-4	Cellulose		230/1/50	9A		

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.

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information 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. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.