



MOBIFLEX[®]

MOBILE WELDING FUME EXTRACTORS



*Shown:
Mobiflex[®] 400-MS with
required Extraction Arm*



*Shown:
Mobiflex[®] 200-M with
required Extraction Arm*



**Weld Fume
Control**



MOBIFLEX®

MOBILE WELDING FUME EXTRACTORS

FEATURES:

- ▶ **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 a select a hose/hood set.
- ▶ **200-M Model**
Filter status indicator - visual guide to remaining filter life.
- ▶ **400-MS Model**
RotaPulse® automatic cleaning system - simplifies filter maintenance.

BENEFITS OF THE MOBIFLEX®

- ▶ **Cleaner work environment:**
Reduce dust and dirt in operator and surrounding work areas.
- ▶ **Filter size:** High efficiency which helps 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.

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**



⁽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. With a LongLife filter, the Mobiflex® 200-M has a surface area of 538 ft² (50 m²). The combination of filter size and unique 3D-filter pleated structure results in higher filter efficiency, longer filter life, and lower operational costs. The Mobiflex® 200-M High Efficiency Unit comes standard with a cellulose/polyester filter.

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 is 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. The Mobiflex® 400-MS High Efficiency Unit comes standard with a cellulose/polyester filter.

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. By compressing air released through multiple air jets the RotaPulse® cleans a section of the filter at each air burst. 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

Hose and Hood Set: K1668-3



RECOMMENDED ACCESSORIES TO EXPAND MACHINE CAPABILITIES

GENERAL OPTIONS

- ▶ Starter Overload Switch for 230V-K1494-3

MOBIFLEX® 200-M OPTIONS

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

MOBIFLEX® 400-MS OPTIONS

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

MOBIFLEX® 200-M BASE AND HIGH EFFICIENCY UNIT TECHNICAL DATA:

- ▶ **Filter Type:**
 - Base Unit: Cellulose
 - High Efficiency Unit: Cellulose/Polyester
- ▶ **Filter Size:** 538 ft² (50 m²)
- ▶ **Input Power (Voltage/Phase/Hertz):** 115/1/60
- ▶ **Input Current:** 12A
- ▶ **Dimensions- H x W x D:** 36 x 32 x 48 in (900 x 810 x 1210 mm)
- ▶ **Weight:** 243 lbs (111 kg)
- ▶ **Processes:** Stick, TIG, MIG, Flux-Cored
- ▶ **Product Number:**
 - Base Unit: K1653-2
 - High Efficiency Unit: K1653-3

MOBIFLEX® 400-M BASE AND HIGH EFFICIENCY UNIT TECHNICAL DATA:

- ▶ **Filter Type:**
 - Base Unit: Cellulose
 - High Efficiency Unit: Cellulose/Polyester
- ▶ **Filter Size:** 325 ft² (30 m²)
- ▶ **Input Power (Voltage/Phase/Hertz):** 115/1/60
- ▶ **Input Current:** 12A
- ▶ **Dimensions- H x W x D:** 40 x 32 x 48 in (900 x 810 x 1210 mm)
- ▶ **Weight:** 286 lbs (130 kg)
- ▶ **Processes:** Stick, TIG, MIG, Flux-Cored
- ▶ **Product Number:**
 - Base Unit: K1741-1
 - High Efficiency Unit: K1741-2

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.

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Weld Fume Control

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