

Statiflex™ 200-M

Stationary Fume Extractor

Lincoln Electric's® Statiflex™ 200-M is a wall mounted, low vacuum/high volume system designed for medium duty extraction and filtration of welding fumes.

The Statiflex™ 200-M is ideal for a variety of facilities in which floor space is a premium including: maintenance departments, general fabrication and welding job shops, weld schools, and industrial welding environments.

The Statiflex™ 200-M can be configured as a single or dual arm system. Lincoln Electric's® fume extraction arms are designed to provide welders optimal motion and reach for their specific welding position(s) and work area. The arm lengths range from 1 m (3 ft.) to 8 m (27 ft.) with optional EC4 extension crane.

The Statiflex™ 200-M with required stationary fan is designed specifically for weld applications. The stationary fan units extract weld fume through the arm, and exhaust fumes into the Statiflex™ 200-M filter unit. The internal spark arrestor and unique LongLife® filter cartridge captures the welding fume particulate. The particulate is collected on the inside of the cartridge, minimizing exposure to particulate during filter maintenance and disposal.

The Statiflex™ 200-M "single arm" filter system is recommended for consumable use of approximately 1500 lbs. (680 kg) of MIG wire or 1100 lbs. (500 kg) of stick or flux-cored wire before replacing.

The Statiflex™ 200-M "dual arm" filter system is recommended for consumable use of approximately 750 lbs. (340 kg) of MIG wire or 550 lbs. (250 kg) of stick or flux-cored wire before replacing.

Filter performance will be affected by process and application variables including: base metal(s), consumables(s), and coatings (oil) if applicable.

Processes

Stick, TIG, MIG, Flux-Cored

Advantage Lincoln

- Generous 735 CFM airflow with LFA 3.1/4.1 extraction arm and SF2400 fan⁽¹⁾.
- Filter efficiency up to 99%⁽²⁾.
- 50 m² (164 ft²) LongLife® filter with ExtraCoat® pretreatment.
- Pressure differential filter indicator gauges amount of particulate build-up in filter cartridge, indicating system maintenance and filter replacement.
- Suitable for a single or dual arm system configuration.
- Internal aluminum mesh spark arrestor.
- One-year warranty on equipment; 30 days on filter cartridge.

Statiflex™ 200-M System includes:

- **Single Arm Unit:** Filter, plastic housing, one 152 mm (6 in.) 1 meter (4 ft.) hose, two hose clamps, instruction manual and wall-mounting bracket.
- **Dual Arm Unit:** Filter, plastic housing, two 152 mm (6 in.) 1 meter (4 ft.) hoses, two non-return valves, four hose clamps, instruction manual and wall-mounting bracket.

NOTE: Stationary Fan Unit(s) and Extraction Arm(s) of your choice are required.

⁽¹⁾ CFM level is dependent upon arm length, fan type and system maintenance.

⁽²⁾ Per Din EN 60335-2-69 Standards.



Shown:
Base Filter Unit

Shown:
Dual Arm Unit with optional
Fan Unit(s) and Extraction Arm(s)

TECHNICAL SPECIFICATIONS

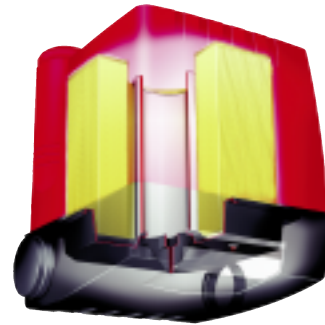
| Product Name | Product Number | Filter Type | Filter Surface m ² (ft. ²) | Dimensions H x W x D mm (in.) | Net Weight kg (lbs.) |
|---|----------------|----------------------|--|-------------------------------------|-------------------------|
| Statiflex™ 200-M Base Unit | K1654-1 | Pretreated Cellulose | 50 (164) | 900 x 810 x 730 (36 x 32 x 29) | 30 (66) |
| Statiflex™ 200-M Dual Arm Base Unit | K1654-2 | Pretreated Cellulose | 50 (164) | 900 x 810 x 730 (36 x 32 x 29) | 30 (66) |

PERFORMANCE

Mechanical Filtering Technique

The LongLife® filter has a surface area of 50 m² (164 ft²), making it one of the largest disposable filter cartridges in its class for collection of weld fume particulate. The combination of this with an ExtraCoat® pretreatment and the unique 3D-pleated structure results in a high filter efficiency, a longer life, and low operational costs.

The ExtraCoat® pretreatment fills the micro pleats in the filter and reduces moisture. This increases its efficiency from the start of usage. A pressure differential filter indicator located at front of unit, moves gradually from white to red as the filter becomes saturated with welding fume particulate, indicating when system maintenance and filter replacement is necessary.



LongLife® Filter

Extraction Arms

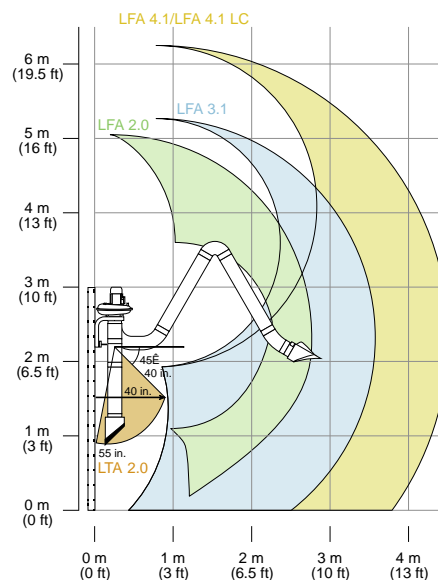
No matter if you are working in a small work station, under a low ceiling, or in a large fabrication area, one of Lincoln Electric's® various fume extraction arms for welding will work for you. The flexible extraction arms are built the Lincoln® way—rugged and reliable. Low vacuum extraction arms are designed for high volume/low velocity air movement to enable the arm to be positioned at a distance of 6 to 12 inches (152-304 mm) from the welding source. Designed with the welder in mind, the arms provide welders optimal motion and reach for their specific welding position(s) and work area.

The arms come equipped with the 360° rotatable hood for optimal positioning to welding source. This allows a larger work envelope with less repositioning of the arm and increased operator visibility. With the extraction arm correctly positioned, the welding fume particulate can be effectively drawn away from the operator's breathing zone, as well as eliminate the residual fume particulate that often rises and hovers within the facility.

With a unique spring-balanced internal mechanism, Lincoln's® fume extraction arms provide a long-lasting, user-friendly solution. The extraction arms external shell is made of solid, lightweight 203 mm (8 in.) diameter dent and scratch resistant tubing. Incorporated into the arm is an airflow throttle valve and extraction focus spoiler. A clear halogen lamp and automatic start/stop are available as recommended optional features. With the use of an arc sensor, the system automatically starts and stops the fan unit, providing hands-free operation and helping to conserve energy. All this combined, provides a highly effective system with maximum efficiency and minimal disruption to welder productivity.



Rotatable Hood



Statiflex™ 400-MS Reach

GENERAL OPTIONS



(Shown with SF2400 Fan)

LTA 2.0 Telescopic Fume Extraction Arm
 Arm retracts from 1 meter (3 ft.) to 1.5 meters (4.5 ft.) and pivots 45°. Optional Lamp Kit and Lamp Kit with Arc Sensor available. Comes with wall mounting bracket.
Order K1655-3



(Shown with SF2400 Fan)

LFA 2.0 (6.5 ft.), LFA 3.1 (10 ft.) and LFA 4.1 (13 ft.) Fume Extraction Arms
 Friction balanced extraction arm with 360° rotatable hood, airflow throttle valve and extraction focus spoiler. Optional Lamp Kit and Lamp Kit with Arc Sensor available.
Order
K1655-5 for LFA 2.0 (6.5 ft.)
K1655-1 for LFA 3.1 (10 ft.)
K1655-2 for LFA 4.1 (13 ft.)



(Shown with SF2400 Fan)

LFA 4.1LC Low Ceiling Extraction Arm
 4.1 meter (13 ft.) spring balanced low ceiling extraction arm with 360° rotatable hood, airflow throttle valve and extraction focus spoiler. Optional Lamp Kit and Lamp Kit with Arc Sensor available. Ideal for facilities with ceilings of 3.1 meters (10 ft.) or less.
Order K1655-6



Lamp Kit with Arc Sensor
 Mounted in the lamp housing, the arc sensor turns the fan on when sensing the arc flash, and turns off 20 seconds after the arc goes out. Hood mounted switches turn the unit on and off independently of the arc sensor. Kit includes lamp housing with arc sensor, control box, interconnect wire, hood mounted lamp/fan switch and instruction manual.
Order
K1669-4 SF2400 Fan
K1669-10 SF4200 Fan



SF2400 Starter Overload Switch for 115V
 When a Lamp kit or Lamp Kit with Arc Sensor is NOT used, this overload switch retrofits the extraction unit for 115V operation of SF2400 Fan.
Order K1494-2



SF2400/SF4200 Starter Overload Switch for 230V
 When a Lamp Kit or Lamp Kit with Arc Sensor is NOT used, this overload switch retrofits the extraction unit for 230V operation of SF2400 Fan.
Order
K1494-3 SF2400 Fan
K1494-10 SF4200 Fan



230V Conversion Kit for SF2400 Fan
 Provides 230V operation of SF2400 Fan when using Lamp Kit or Lamp Kit with Arc Sensor.
Order K1750-1



SF2400 Fan
 The 1HP, 115/1/60 fan has self-cleaning concave blades and provides an open air flow of 1200 CFM. Requires a mounting bracket.
Order K1656-1



SF2400 Wall Mounting Bracket
 Use K1657-1 wall mounting bracket with LFA 3.1, LFA 4.1 or LFA 4.1 LC. Use K1657-2 bracket with LTA 2.0 telescopic extraction arm, LFA 2.0 or EC 2 and EC 4 extension cranes.
Order
K1657-1 for LFA 3.1, 4.1, and 4.1 LC
K1657-2 for LTA 2.0, LFA 2.0, EC 2, and EC 4



SF4200 Fan
 The 2 HP, 230/3/60 fan has self-cleaning concave blades and provides a minimum airflow of 1750 CFM. Includes mounting bracket.
Order K1656-4



EC 2 (7 ft.) and EC 4 (14 ft.) Extension Cranes
 For large work areas, extend your reach 2 meters (7 ft.) or 4 meters (14 ft.). A side to side hinge has a unique spring controlled lock to hold the arm in place for steady positioning. Each crane includes support boom, mounting plate, 8" tubing, flexible hose, and mounting brackets.
Order
K1671-1 for EC 2
K1671-2 for EC 4

RECOMMENDED OPTIONS

GENERAL OPTIONS, CON'T.



Feeder Hanger Arm
Use with either extension crane to slide mount a wire feeder on the first section of the crane.
Order K1672-1



Activated Carbon Filter
Recommended for the removal of welding fume odors.
Order K1852-1



LongLife® 200-M Filter
Standard replacement LongLife® filter with ExtraCoat® treatment.
Order K1673-1



Air Exhaust Silencer
Reduces exhaust air noise from filter unit.
Order K1534-2

STATIFLEX™ 200-M ORDER FORM

| PRODUCT DESCRIPTION | ORDER NUMBER | QUANTITY | PRICE |
|---|----------------|----------|-------|
| Statiflex™ 200-M Base Unit | K1654-1 | | |
| Statiflex™ 200-M Dual Arm Base Unit | K1654-2 | | |
| Choose an Arm | | | |
| LTA 2.0 – Telescopic Extraction Arm | K1655-3 | | |
| LFA 2.0 – 6.5 ft. Extraction Arm | K1655-5 | | |
| LFA 3.1 – 10 ft. Extraction Arm | K1655-1 | | |
| LFA 4.1 – 13 ft. Extraction Arm | K1655-2 | | |
| LFA 4.1LC – 13 ft. Low Ceiling Extraction Arm | K1655-6 | | |
| Choose a Lamp Kit or Starter Switch | | | |
| Lamp Kit with Arc Sensor (SF2400 Fan) | K1669-4 | | |
| Lamp Kit with Arc Sensor (SF4200 Fan) | K1669-10 | | |
| Starter Overload Switch for 115V (SF2400 Fan) | K1494-2 | | |
| Starter Overload Switch for 230V (SF2400 Fan) | K1494-3 | | |
| Starter Overload Switch for 230V (SF4200 Fan) | K1494-10 | | |
| 230V Conversion Kit for SF2400 Fan | K1750-1 | | |
| Choose a Fan and Mounting Bracket | | | |
| SF2400 Fan | K1656-1 | | |
| SF2400 Fan Wall Mounting Bracket – for LFA 3.1, LFA 4.1, LFA 4.1 LC | K1657-1 | | |
| SF2400 Fan Wall Mounting Bracket – for LTA 2.0, LFA 2.0, EC 2, EC 4 | K1657-2 | | |
| SF4200 Fan | K1656-4 | | |
| Add an Extension Crane | | | |
| EC 2 – 7 ft. Extension Crane | K1671-1 | | |
| EC 4 – 14 ft. Extension Crane | K1671-2 | | |
| Feeder Hanger Arm | K1672-1 | | |
| Filter Options | | | |
| LongLife® 200-M Filter | K1673-1 | | |
| Activated Carbon Filter | K1852-1 | | |
| Other Options | | | |
| Air Exhaust Silencer | K1534-2 | | |
| Non-Return Valve | K1743-2 | | |
| TOTAL: | | | |

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.



THE LINCOLN ELECTRIC COMPANY®

THE WELDING EXPERTS™

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