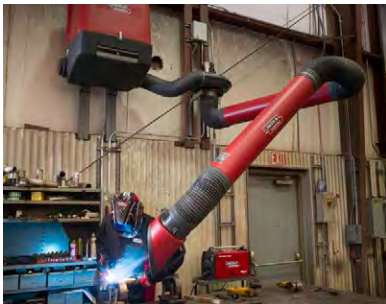


STATIFLEX[®]

WALL-MOUNTED WELDING FUME EXTRACTORS



Top Image: Statiflex[®] 200-M Dual Arm Base Unit with Fan Units and Extraction Arms
Bottom Image: Statiflex[®] 400-MS Base Unit with Extraction Arm and Fan Unit

LINCOLN[®]
ELECTRIC

**Automation
Solutions**



Statiflex 200-M

STATIFLEX

200-M, 200-M Dual Arm and 400-MS

WALL-MOUNTED WELDING FUME EXTRACTORS

WHAT'S INCLUDED:

▶ Statiflex 200-M

- » Filter, Filter housing
- » Hose-6 in. (152 mm) diameter, 4 ft. (1 m) long, hose clamps (2), rubber seal
- » Mounting bracket

▶ Statiflex 200-M Dual Arm

- » Filter, filter housing
- » Hoses (2) – 8 in. (152 mm) diameter, hose clamps (4), rubber seals (2)
- » Non-return valves (2), 6-8 in. reducers (2), 6 in. adapters (2)
- » Mounting bracket

▶ Statiflex 400-MS

- » Filter, filter housing, particulate collection bin
- » Pre-filter box
- » Hoses (2) – 6 in. (152 mm) diameter, hose clamps (4), rubber seals (2)
- » Control cable for filter cleaning mechanism
- » Mounting brackets (2)

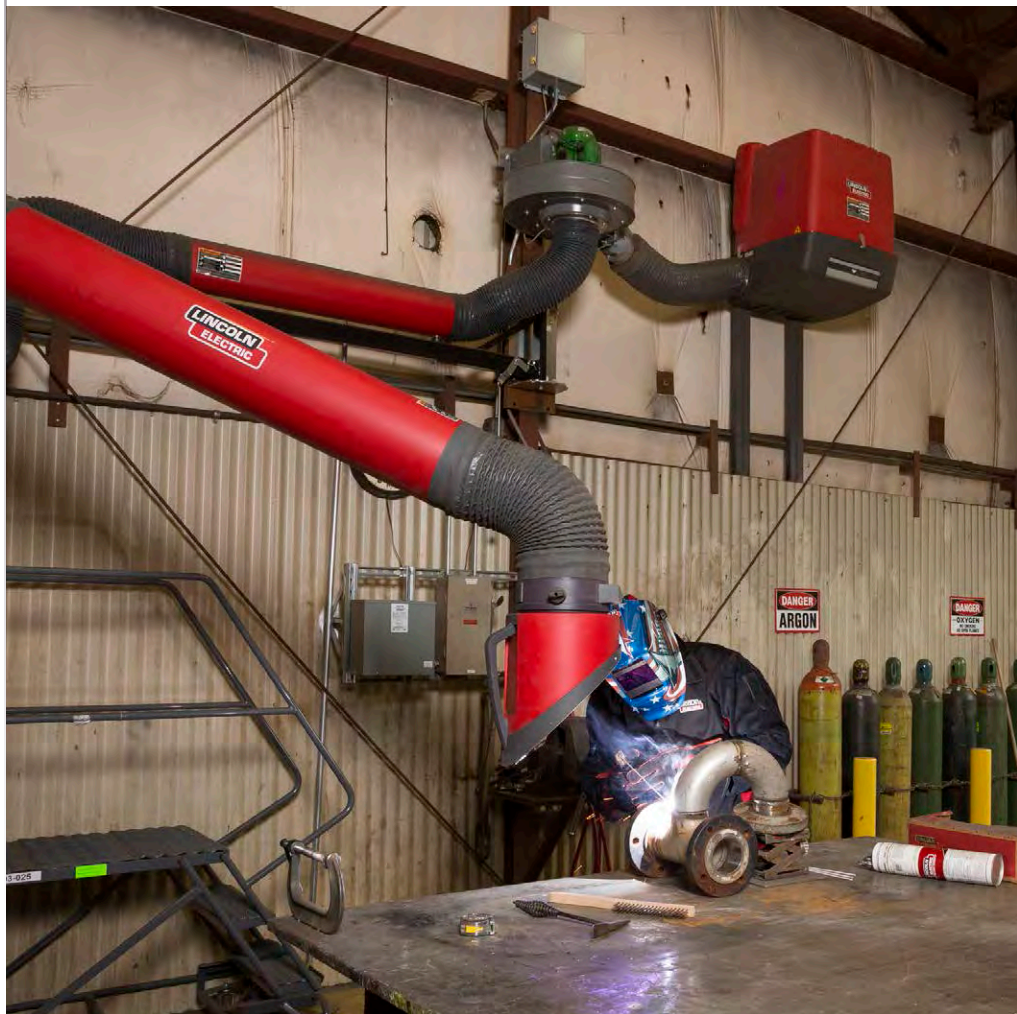
WHAT'S REQUIRED:

- ▶ Extraction arm(s), starting control(s), fan(s) and mounting for arm/ fan
- ▶ Compressed air, 90-100 psi (Statiflex 400-MS only)

The Statiflex 200-M, 200-M Dual Arm and 400-MS are stationary, wall-mounted low vacuum systems intended for light to medium duty extraction and filtration of welding fume. The Statiflex is designed for facilities with fixed work stations and little available floor space. A self-cleaning filter is standard on the Statiflex 400-MS.

STATIFLEX 200-M AND 400-MS FUME EXTRACTORS ARE IDEAL FOR USE IN:

- ▶ Job Shops
- ▶ Welding Schools
- ▶ Maintenance Departments



EXTRACTION ARMS

Lincoln Electric extraction arms are built with the welder in mind. The arms come equipped with the 360° rotatable hood for optimal positioning to the welding point. The extraction arm's external shell is made of solid lightweight dent and scratch resistant tubing.

A correctly positioned extraction arm effectively draws welding fume particulate away from the operator's breathing zone and helps to reduce the amount of residual fume particulate that often rises and hovers within a facility.

BUILDING A SYSTEM

The flexibility of the Statiflex system allows you to create a configuration for your application needs.

Step 1: Choose Base Unit - One Required

BASE UNIT

Product Name	Filtration System	Product Number		
		Single Arm Base Unit	Single Arm Base Unit with High Efficiency Filter	Dual Arm Base Unit
Statiflex 200-M	Disposable	K1654-1	K1654-3	K1654-2
Statiflex 400-MS	Self-Cleaning	K1742-1	K1742-2	—

Step 2: Choose Extraction Arm - One Arm Required for Single Arm Base Units, Two Arms Required for Dual Arm Base Unit

EXTRACTION ARM

Product Name	Product Number	Arm Length ft (m)	H x W in (mm)	Net Weight lb (kg)
LFA 2.0	K1655-5 ⁽²⁾	6.5 (2)	8 x 85 (208 x 2160)	33 (15)
LTA 2.0-CW (Telescopic)	K1655-7 ^(1,2)	Retracts from 5-8.2 (1.5-2.5)	8 x 62-100.5 (208 x 1575-2553)	59.5 (27)
LTA 2.0 (Telescopic)	K1655-3 ⁽²⁾	Retracts from 3-4.5 (1-1.5)	8 x 39, 5-55 (208 x 1000-1400)	15.4 (7)
LFA 3.1	K1655-1	10 (3.1)	8 x 118 (208 x 3000)	33 (15)
LFA 4.1	K1655-2	13 (4.1)	8 x 157 (208 x 4000)	37.5 (17)
LFA 4.1-LC (Low Ceiling)	K1655-6 ⁽²⁾	13 (4.1)	8 x 157 (208 x 4000)	33 (15)

⁽¹⁾ LTA 2.0-CW extraction arm includes an integrated mounting bracket.

⁽²⁾ Wall mount only. Cannot be used with Extension Crane.

Step 3: Choose Extraction Arm Mounting - Wall or Extension Crane, Starting Control and Fan. One item required from each subcategory for Single Arm Base Units, two items required from each subcategory for Dual Arm Base Unit

WALL MOUNT

Product Name	Product Number
WALL MOUNTING HARDWARE	
Bracket for LFA 2.0, LTA 2.0, LTA 2.0-CW ⁽¹⁾ and LFA 4.1-LC	K1657-2
Bracket for LFA 3.1 and LFA 4.1	K1657-1
STARTING CONTROL	
Lamp with Arc Sensor-115V	K1669-4 ⁽²⁾
Lamp with Arc Sensor-230V	K1669-4 ⁽²⁾ K1750-1 ⁽²⁾
Starter/Overload Switch for SF2400 Fan-115V	K1494-2 ⁽³⁾
Starter/Overload Switch for SF2400 Fan-230V	K1494-3 ⁽³⁾
FAN	
SF2400 (1 HP)	K1656-1

EXTENSION CRANE⁽⁴⁾

Product Name	Product Number
EXTENSION CRANE	
EC 2-7 ft (2 m) long	K1671-1
EC 4-14 ft (4 m) long	K1671-2
STARTING CONTROL	
Lamp with Arc Sensor-230V	K1669-10 ⁽²⁾
Starter/Overload Switch for SF4200 Fan-230V	K1494-10 ⁽³⁾
FAN	
SF4200 (2 HP)	K1656-4

⁽¹⁾ LTA 2.0-CW extraction arm includes an integrated mounting bracket

⁽²⁾ Required for 400-MS

⁽³⁾ For 200-M only

⁽⁴⁾ Single arm base units only

RECOMMENDED ACCESSORIES

- ▶ Telescopic Fume Extraction Arms
 - » LTA 2.0 (3-4.5 ft): K1655-3
 - » LTA 2.0-CW (5-8.2 ft): K1655-7
- ▶ LFA 2.0, LFA 3.1 and LFA 4.1 Fume Extraction Arms:
 - » LFA 2.0 (6.5 ft): K1655-5
 - » LFA 3.1 (10 ft): K1655-1
 - » LFA 4.1 (13 ft): K1655-2
- ▶ LFA 4.1-LC (13 ft) Low Ceiling Extraction Arm: K1655-6
- ▶ Lamp Kit with Arc Sensor:
 - » SF2400 Fan: K1669-4
 - » SF4200 Fan: K1669-10
- ▶ SF2400 Starter Overload Switch for 115V: K1494-2
- ▶ SF2400/SF4200 Starter Overload Switch for 230V:
 - » SF2400 Fan: K1494-3
 - » SF4200 Fan: K1494-10
- ▶ SF2400 Fan: K1656-1
- ▶ 230V Conversion Kit: K1750-1
- ▶ SF2400 Wall Mounting Bracket:
 - » K1657-1 for LFA 3.1 and 4.1
 - » K1657-2 for LTA 2.0, LFA 2.0 and LFA 4.1-LC
- ▶ Air Exhaust Silencer: K1534-2

STATIFLEX 200-M ONLY:

- ▶ Cellulose Filter: K1673-1
- ▶ Cellulose/Polyester High Efficiency Filter: K1673-3
- ▶ Activated Carbon Filter: K1852-1 (fits over K1673-1 or K1673-3)

STATIFLEX 400-MS ONLY:

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

SINGLE ARM BASE UNITS ONLY:

- ▶ SF4200 Fan: K1656-4
- ▶ EC 2 (7 ft) and EC 4 (14 ft.) Extension Cranes:
 - » EC 2: K1671-1
 - » EC 4: K1671-2

FEATURES OF THE STATIFLEX 200-M, 200-M DUAL ARM AND 400-MS:

- ▶ **Generous Airflow:** 735 CFM with LFA 3.1 or 4.1 extraction arms and SF2400 fan
- ▶ **Spark Arrestor:** Also functions as a pre-filter for larger-sized particulate. (The pre-filter for the Statiflex 400-MS is located in separate box external to filtration unit)
- ▶ **200-M Model**
 - » 3-D pleated filter structure and filter size results in higher filter efficiency, longer filter life and lower operational costs
 - » One of the largest disposable filter cartridges in its class
 - » Large Filter capacity: 538 ft² (50 m²)
- ▶ **400-MS Model**
 - Filter size and wedged shape filter pattern results in high filter efficiency, longer filter life and lower operational costs
 - RotaPulse[®] automatic cleaning system - simplifies filter maintenance
 - Large Filter capacity: 323 ft² (30 m²)

BENEFITS OF THE STATIFLEX:

- ▶ **Cleaner Work Environment:** Reduce dust and dirt in operator and surrounding work area
- ▶ **Filter Size:** Generously sized filters help to lower operational costs
- ▶ **Flexible Configuration:** Ability to choose a single or dual arm unit to meet application requirements

STATIFLEX 200-M SINGLE ARM AND DUAL ARM BASE UNIT TECHNICAL DATA:

- ▶ **Filter Type:** Cellulose or Cellulose/Polyester High Efficiency
- ▶ **Filter Size:** 538 ft² (50 m²)
- ▶ **Dimensions - H x W x D:** 36 x 32 x 28 in (900 x 810 x 730 mm)
- ▶ **Net Weight:** 66 lbs (30 kg)
- ▶ **Processes:** Stick, TIG, MIG, Flux-Cored
- ▶ **Product Number:**
 - K1654-1 (Single Arm, Cellulose Filter)
 - K1654-2 (Dual Arm, Cellulose Filter)
 - K1654-3 (Single Arm, Cellulose/Polyester HE Filter)



Automation Solutions

STATIFLEX 400-MS SINGLE ARM BASE UNIT TECHNICAL DATA:

- ▶ **Filter Type:** Cellulose or Cellulose/Polyester High Efficiency
- ▶ **Filter Size:** 323 ft² (30 m²)
- ▶ **Dimensions - H x W x D:**
 - Statiflex 400-MS 45 x 28 x 26 in (1140 x 720 x 660 mm)
 - Pre-Filter Box 10.7 x 20.5 x 14.1 in (272 x 520 x 357 mm)
- ▶ **Net Weight:**
 - Statiflex 400-MS (K1742-1): 88 lbs (40 kg)
 - Statiflex 400-MS (K1742-2): 97 lbs (44 kg)
 - Pre-Filter Box: 22 lbs (10 kg)
- ▶ **Processes:** Stick, TIG, MIG, Flux-Cored
- ▶ **Product Number:**
 - K1742-1 (Cellulose Filter)
 - K1742-2 (Cellulose/Polyester HE Filter)

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.



Automation Solutions

The Lincoln Electric Company Automation Division

22221 Saint Clair Avenue
Cleveland, Ohio 44117-2522 USA

(216) 383-2667

WeldFumeControl@LincolnElectric.com
www.LincolnWeldFumeControl.com

www.LincolnElectric.com/Safety