

# FUME DOESN'T STAND A CHANCE

## WELD FUME CONTROL



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

### Statiflex® Wall-Mounted Welding Fume Extractor

The Statiflex 200-M and 400-MS units are stationary, wall-mounted low vacuum systems intended for light to medium duty extraction and filtration of welding fume. Ideal for job shops, welding schools and maintenance departments, the Statiflex is designed for facilities with fixed work stations and limited floor space.

- ▶ Flexible single or dual arm configuration to meet application requirements
- ▶ Reduction of dust and dirt in operator work environment
- ▶ Generously sized filters allow for lower operational costs



#### Processes »

Stick (Light Duty - Statiflex 200-M only), TIG, MIG, Flux-Cored (Light Duty - Statiflex 200-M only)

#### Product Number »

K1654-4 Statiflex 200-M w/MERV 14 Filter Single Arm Base Unit  
K1654-5 Statiflex 200-M w/MERV 14 Filter Dual Arm Base Unit  
K1654-6 Statiflex 200-M w/MERV 16 Filter Single Arm Base Unit

K1742-1 Statiflex 400-MS w/MERV 14 Filter Single Arm Base Unit  
K1742-2 Statiflex 400-MS w/MERV 16 Filter Single Arm Base Unit



# PACKAGES – WHAT'S INCLUDED

● Included ●● 2 included

Description	Product Number	Statiflex 200-M with MERV 14 filter Base Unit		Arm Size/Type				Arc Sensor/Lamp Kit (K1669-4)	Starter Overload Switch (K1494-2)	Wall Mounting Bracket (K1657-1)	Wall Mounting Bracket (K1657-2)	SF 2400 Stationary Fan (K1656-9)
		Single Arm (K1654-4)	Dual Arm (K1654-5)	LFA 3.1 10 ft (K1655-8)	LFA 4.1 13 ft (K1655-9)	LTA 2.0 Telescopic 3-4.5 ft (K1655-10)	LTA 2.0-CW Telescopic 5-8.2 ft (K1655-14)					
<b>Single-arm Statiflex 200-M with MERV 14 Filter</b>												
Statiflex 200-M (MERV 14 Filter) LFA 3.1 10 ft. Single Arm One-Pak®	K4261-2	●		●					●	●		●
Statiflex 200-M (MERV 14 Filter) LFA 3.1 10 ft. Single Arm and Arc Sensor/Lamp Kit One-Pak	K4261-6	●		●				●		●		●
Statiflex 200-M (MERV 14 Filter) LFA 4.1 13 ft. Single Arm One-Pak	K4261-3	●			●				●	●		●
Statiflex 200-M (MERV 14 Filter) LTA 2.0 3.0-4.5 ft. Telescopic Arm Single One-Pak	K4261-4	●				●			●		●	●
Statiflex 200-M (MERV 14 Filter) LTA 2.0 3.0-4.5 ft. Telescopic Single Arm and Arc Sensor/Lamp Kit One-Pak	K4261-7	●				●		●			●	●
Statiflex 200-M (MERV 14 Filter) LTA 2.0-CW 5-8.2 ft. Telescopic Single Arm One-Pak	K4261-5	●					●		●			●
<b>Dual-arm Statiflex 200-M with MERV 14 Filter</b>												
Statiflex 200-M (MERV 14 Filter) LFA 3.1 10 ft. Dual Arm One-Pak	K4261-8		●	●●					●●	●●		●●
Statiflex 200-M (MERV 14 Filter) LFA 3.1 10 ft. Dual Arm and Arc Sensor/Lamp Kit One-Pak	K4261-12		●	●●				●●		●●		●●
Statiflex 200-M (MERV 14 Filter) LFA 4.1 13 ft. Dual Arm One-Pak	K4261-9		●		●●				●●	●●		●●
Statiflex 200-M (MERV 14 Filter) LTA 2.0 3.0-4.5 ft. Telescopic Dual Arm One-Pak	K4261-10		●			●●			●●		●●	●●
Statiflex 200-M (MERV 14 Filter) LTA 2.0 3.0-4.5 ft. Telescopic Dual Arm and Arc Sensor/Lamp Kit One-Pak	K4261-13		●			●●		●●			●●	●●
Statiflex 200-M (MERV 14 Filter) LTA 2.0-CW 5-8.2 ft. Telescopic Dual Arm One-Pak	K4261-11		●				●●		●●			●●

## BUILD YOUR OWN SYSTEM

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

### Step 1: Choose Base Unit - One Required

Product Name	Filtration System	Product Number		
		Single Arm with MERV 14 Filter Base Unit	Single Arm with MERV 16 Filter Base Unit	Dual Arm with MERV 14 Filter Base Unit
Statiflex 200-M	Disposable	K1654-4	K1654-6	K1654-5
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

Product Name	Product Number	Arm Length ft (m)	Nominal Arm Diameter in (mm)	Net Weight lb (kg)
LFA 2.0	K1655-5 <sup>(2)</sup>	6.5 (2)	8 [203.2]	33 (15)
LTA 2.0-CW (Telescopic)	K1655-14 <sup>(1,2)</sup>	Variable from 5-8.2 (1.5-2.5)		59.5 (27)
LTA 2.0 (Telescopic)	K1655-10 <sup>(2)</sup>	Variable from 3-4.5 (1-1.4)		15.4 (7)
LFA 3.1	K1655-8	10 (3.1)		33 (15)
LFA 4.1	K1655-9	13 (4.1)		37.5 (17)
LFA 4.1-LC (Low Ceiling)	K1655-13	13 (4.1)		33 (15)

<sup>(1)</sup> LTA 2.0-CW extraction arm includes an integrated mounting bracket.

<sup>(2)</sup> 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 MOUNTING

Product Name	Product Number
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#### WALL MOUNTING HARDWARE<sup>(1)</sup>

Bracket for LFA 2.0, LTA 2.0, and LFA 4.1-LC	K1657-2
Bracket for LFA 3.1 and LFA 4.1	K1657-1

#### STARTING CONTROL

Arc Sensor/Lamp Kit-115V	K1669-4 <sup>(2)</sup>
Arc Sensor/Lamp Kit-230V	K1669-4 <sup>(2)</sup> K1750-1 <sup>(2)</sup>
Starter/Overload Switch for SF2400 Fan-115V	K1494-2 <sup>(3)</sup>
Starter/Overload Switch for SF2400 Fan-230V	K1494-3 <sup>(3)</sup>

#### FAN

SF2400 (1 HP)	K1656-9
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#### EXTENSION CRANE MOUNTING<sup>(4)</sup>

Product Name	Product Number
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#### EXTENSION CRANE

EC 2-7 ft (2 m) long	K1671-1
EC 4-14 ft (4 m) long	K1671-2

#### STARTING CONTROL

Arc Sensor/Lamp Kit-230V	K1669-10 <sup>(2)</sup>
Starter/Overload Switch for SF4200 Fan-230V	K1494-10 <sup>(3)</sup>

#### FAN

SF4200 (2 HP)	K1656-4
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<sup>(1)</sup> A K1657 is not needed for the LTA 2.0-CW extraction arm since a mounting bracket is integrated into the arm

<sup>(2)</sup> Required for 400-MS

<sup>(3)</sup> For 200-M only

<sup>(4)</sup> Single arm base units only

## KEY FEATURES

- » **Generous Airflow:** 735 CFM with LFA 3.1 or 4.1 extraction arms and SF2400 fan
- » **Spark Arrestor:** Functions as a pre-filter for larger-sized particulate.
- » **200-M Model**
  - » 3-D pleated filter structure
  - » Filter capacity: 538 ft<sup>2</sup> (50 m<sup>2</sup>)
- » **400-MS Model**
  - » Wedged shape filter pattern
  - » RotaPulse<sup>®</sup> automatic cleaning system - simplifies filter maintenance
  - » Filter capacity: 323 ft<sup>2</sup> (30 m<sup>2</sup>)

#### WHAT'S INCLUDED:

- ▶ **Statiflex 200-M Single Arm Base Unit**
  - » Filter, Filter housing
  - » Hose – 8 in. (203 mm) diameter, 4 ft. (1 m) long, hose clamps (2), rubber seal
  - » Mounting bracket
- ▶ **Statiflex 200-M Dual Arm Base Unit**
  - » Filter, filter housing
  - » Hoses – 8 in. 203 mm diameter (2) hose clamps (4), rubber seals (2)
  - » Non-return valves (2), 6-8 in. (152 - 203 mm) reducers (2), 6 in. (152 mm) adapters (2)
  - » Mounting bracket
- ▶ **Statiflex 400-MS Base Unit**
  - » Filter, filter housing, particulate collection bin
  - » Spark Arrestor (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)

**PRODUCT SPECIFICATIONS**

Product Name	Product Number	Filter Type	Filter Size ft² (m²)	Dimensions H x W x D in. (mm)	Weight lbs. (kg)
Statiflex 200-M (MERV 14 Filter) Base Unit Single Arm	K1654-4	Cellulose	538 (50)	36 x 32 x 28 (900 x 810 x 730)	90 (41)
Statiflex 200-M (MERV 14 Filter) LFA 3.1 10 ft. Single Arm One-Pak®	K4261-2				
Statiflex 200-M (MERV 14 Filter) LFA 3.1 10 ft. Single Arm and Arc Sensor/Lamp Kit One-Pak	K4261-6				
Statiflex 200-M (MERV 14 Filter) LFA 4.1 13 ft. Single Arm One-Pak	K4261-3				
Statiflex 200-M (MERV 14 Filter) LTA 2.0 3.0-4.5 ft. Telescopic Arm Single One-Pak	K4261-4				
Statiflex 200-M (MERV 14 Filter) LTA 2.0 3.0-4.5 ft. Telescopic Single Arm and Arc Sensor/Lamp Kit One-Pak	K4261-7				
Statiflex 200-M (MERV 14 Filter) LTA 2.0-CW 5-8.2 ft. Telescopic Single Arm One-Pak	K4261-5				
Statiflex 200-M (MERV 14 Filter) Base Unit Dual Arm	K1654-5				102 (46)
Statiflex 200-M (MERV 14 Filter) LFA 3.1 10 ft. Dual Arm One-Pak	K4261-8				
Statiflex 200-M (MERV 14 Filter) LFA 3.1 10 ft. Dual Arm and Arc Sensor/Lamp Kit One-Pak	K4261-12				
Statiflex 200-M (MERV 14 Filter) LFA 4.1 13 ft. Dual Arm One-Pak	K4261-9				
Statiflex 200-M (MERV 14 Filter) LTA 2.0 3.0-4.5 ft. Telescopic Dual Arm One-Pak	K4261-10				
Statiflex 200-M (MERV 14 Filter) LTA 2.0 3.0-4.5 ft. Telescopic Dual Arm and Arc Sensor/Lamp Kit One-Pak	K4261-13				
Statiflex 200-M (MERV 14 Filter) LTA 2.0-CW 5-8.2 ft. Telescopic Dual Arm One-Pak	K4261-11	90 (41)			
Statiflex 200-M (MERV 16 Filter) Base Unit Single Arm	K1654-6		MERV 16 Cellulose/Polyester		
Statiflex 400-MS (MERV 14 Filter) Base Unit Single Arm	K1742-1	Cellulose	323 (30)	45 x 28 x 26 (1140 x 720 x 660)	Statiflex 400-MS (K1742-1): 88 (40)
Statiflex 400-MS (MERV 16 Filter) Base Unit Single Arm	K1742-2	MERV 16 Cellulose/Polyester			Statiflex 400-MS (K1742-2): 97 (44)
					Pre-Filter Box: 22 (10)

## RECOMMENDED ACCESSORIES



**Telescopic Fume Extraction Arms**  
Order  
LTA 2.0 (3-4.5 ft): K1655-10  
LTA 2.0-CW (5-8.2 ft): K1655-14



**LFA 2.0, LFA 3.1 and LFA 4.1 Fume Extraction Arms**  
Order  
LFA 2.0 (6.5 ft): K1655-5  
LFA 3.1 (10 ft): K1655-8  
LFA 4.1 (13 ft): K1655-9



**LFA 4.1-LC (13 ft) Low Ceiling Fume Extraction Arm**  
Order  
K1655-13



**EC 2 7 ft (2.13 m) and EC 4 14 ft (4.26 m) Extension Cranes**  
Order  
EC 2: K1671-1  
EC 4: K1671-2



**Arc Sensor/Lamp Kit**  
Order  
SF2400 Fan: K1669-4  
SF4200 Fan: K1669-10



**Conversion Kit**  
For use to convert a Statiflex 200-M single arm system with an SF2400 Fan to a dual arm configuration. Two kits are required for conversion. Additional equipment required for conversion: SF2400 Fan and Fume Extraction Arm.  
Notes: Conversion kit for use with a Statiflex 200-M single arm system with an SF2400 Fan Only. Single arm units using an SF4200 Fan connection cannot be converted to a dual arm system.  
Order  
K1743-3



**SF2400 Starter Overload Switch**  
Order  
K1494-2 for 115V  
K1494-3 for 230V



**SF4200 Starter Overload Switch for 230V**  
Order  
SF4200 Fan: K1494-10



**SF2400 Fan**  
Order  
K1656-9 for 115V  
K2497-13 for 230V



**230V Conversion Kit**  
Order  
K1750-1



**SF 4200 Fan**  
For use with single arm base units and only when used with an extension crane. Input Power: 230/3/60  
Order  
K1656-4



**Connector, 8 in (203.2 mm) Duct to Extractor Arm**  
Order  
K1657-5



**SF2400 Wall Mounting Bracket**  
Order  
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**  
Order  
K1534-2



**Statiflex 200-M MERV 14 Cellulose Filter**  
Order  
KP1673-1



**Statiflex 200-M MERV 16 Cellulose/Polyester Filter**  
Order  
KP1673-9



**Statiflex 200-M Pre-Filter**  
Order  
KP1673-5



**Statiflex 200-M Carbon Filter**  
[fits over KP1673-1 or KP1673-3]  
Order  
KP1852-1



**Statiflex 400-MS MERV 14 Cellulose Filter**  
Order  
KP1673-2



**Statiflex 400-MS MERV 16 Cellulose/Polyester Filter**  
Order  
KP1673-4



**Statiflex 400-MS Pre-Filter**  
Order  
KP1673-6

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

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Except for special instructions, experiments on welding machines are conducted in accordance with the general standard of IEC60974-1; experiments on welding consumables are conducted in accordance with the general standard of AWS; for specific applicable standards on welding consumables please refer to the product page.

The product performance data of this website and related attachments are from LINCOLN ELECTRIC American application engineering laboratory.

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