

Processes

Stick, TIG, MIG, Flux-Cored

Product Number

7435000700 Statiflex® 200-M Single Arm Base Unit

7445000700 Statiflex® 400-MS Single Arm Base Unit

Filter Type

Cellulose or
High Efficiency
Cellulose/Polyester

ADVANTAGE

- ▶ **Generous airflow** - 1250m³/h with LFA 3.1 or 4.1 extraction arms and SF 2400 fan⁽²⁾.
- ▶ **Internal spark arrestor** - Also functions as a pre-filter for larger-sized particulate.
- ▶ **Choice of filter types** - Cellulose or high efficiency cellulose/polyester.
- ▶ **One-year warranty** (30 day warranty on filter).

200-M Model

- ▶ **Filter status indicator** - Visual guide to remaining filter life.
- ▶ **Large filter capacity** - 50 m².
- ▶ **Flexible configuration** - choose single or dual arm system.

400-MS Model

- ▶ **RotaPulse® automatic cleaning system** - simplifies filter maintenance.
- ▶ **Large filter capacity** - 30 m².

WHAT'S INCLUDED

Single Arm 200-M and 400-MS Models

- ▶ Filter
- ▶ Plastic housing
- ▶ One 152mm diameter, 1m length hose
- ▶ Two hose clamps
- ▶ Wall-mounting bracket

Dual Arm 200-M Model

- ▶ Filter
- ▶ Plastic housing
- ▶ Two 152mm diameter, 1m length hose
- ▶ Two non-return valves
- ▶ Four hose clamps
- ▶ Wall-mounting bracket

(1) Not suitable for use with cutting or arc gouging operations.

(2) Flowrate level is dependent upon arm length, fan type and system maintenance.



Shown:
Statiflex® 200-M Dual Arm Base Unit
with Fan Units and Extraction Arms

Shown:
Statiflex® 400-MS Base Unit with
Extraction Arm and Fan unit

WHAT'S REQUIRED

- ▶ Extraction arm(s)
- ▶ Compressed air, 90-100 psi (Statiflex® 400-MS only)

Wall-Mounted Welding Fume Extractors

The Statiflex® 200-M and 400-MS base units are stationary, wall-mounted low vacuum systems designed for light to medium duty extraction and filtration of welding fume⁽¹⁾. A self-cleaning filter is standard on the Statiflex® 400-MS. Statiflex® units are ideal for facilities with fixed location work stations and little available floor space including general fabrication, job shops, welding schools, and maintenance departments.

TECHNICAL SPECIFICATIONS

Product Name	Product Number	Filter Type	Filter size m ₂	Dimensions H x W x D mm	Net Weight kg
Statiflex® 200-M Single Arm Base Unit	7435000700 option available upon request	Pretreated Cellulose	50	900 x 810 x 730	30
		Cellulose/Polyester			
Statiflex® 200-M Dual Arm Base Unit		Pretreated Cellulose	50	900 x 810 x 730	30
Statiflex® 400-MS Single Arm Base Unit	7445000700 option available upon request	Cellulose	30	1040 x 670 x 660	85
		Cellulose/Polyester			

Statiflex® 200-M and 400-MS

A CLOSER LOOK

Statiflex® 200-M Filter System

The LongLife filter in the Statiflex® 200-M has a surface area of 50 m², making it one of the largest disposable filter cartridges in its class. The combination of filter size and unique 3D-pleated structure results in higher filter efficiency, longer filter life, and lower operational costs.

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

Statiflex® 400-MS Filter System

The LongLife filter in the Statiflex® 400-MS has a surface area of 30 m². The combination of filter size and wedge-shaped filter pattern results in higher filter efficiency, longer filter life, and lower operational costs.

Unique to the Statiflex® 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 and if the air pressure entering the filter unit is greater than the air pressure exiting the filter unit by a set amount, the electronic circuit activates the filter cartridge cleaning system.

The filter cleaning system uses compressed air released through multiple air jets to clean a section of the filter at each air burst. A complete cleaning cycle can also be activated by depressing a manual switch on the front of the control panel. Particulate blown off the filter cartridge settles into a collection bin. 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.

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 fume extraction arms is right 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 and enable the arm to be positioned at a distance of 152-304 mm from the welding fume source. The arms provide welders optimal motion and reach for their specific welding position(s) and work area.

The arms come equipped with a 360° rotatable hood for optimal positioning allowing a larger work envelope with less repositioning of the arm and increased operator visibility. 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.

With a unique spring-balanced internal mechanism, Lincoln's® fume extraction arm's provide a long-lasting, user-friendly solution. The extraction arm's external shell is made of solid, lightweight dent and scratch resistant tubing. Incorporated into the arm is an airflow throttle valve and extraction focus spoiler.

Some models include a clear halogen lamp and automatic start/stop feature. With the use of an arc sensor, the system automatically starts and stops the fan unit, providing hands-free operation and energy conservation. All this combined provides a highly effective system with maximum efficiency and minimal disruption to welder productivity.



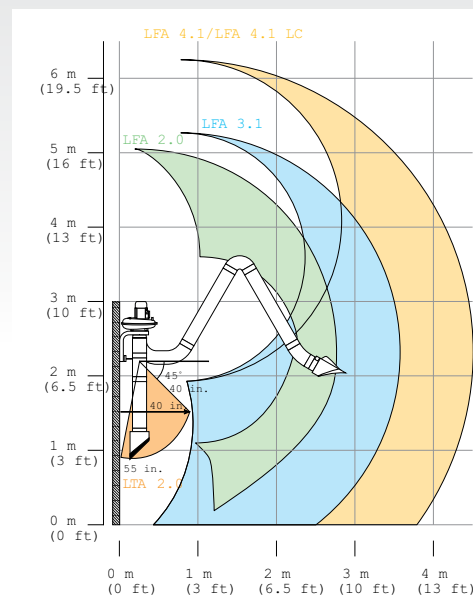
Rotatable Hood



LongLife Filter shown in Statiflex® 200-M Single Arm Base Unit.



Statiflex® 200-M Dual Arm installation.



Statiflex® 200-M and 400-MS Reach

Statiflex[®] 200-M and 400-MS

BUILDING A SYSTEM

The flexibility of the Statiflex[®] system allows you to create a configuration that will meet your application requirements.

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	7435000700	Option available upon request	7435000700
Statiflex [®] 400-MS	Self-Cleaning	7445000700	Option available upon request	-

Step 2 Choose Extraction Arm – One required for Single Arm Base Units, two required for Dual Arm Base Units.

TECHNICAL SPECIFICATIONS

Product Name	Product Number	Arm Length m	Dimensions H x W mm	Net Weight kg
LFA 2.0	7925270180	2	208 x 2,160	15
LTA 2.0 (Telescopic)	7925260180	Retracts from 1-1.5	208 x 1,000-1,400	7
LTA 2.0-CW	7925170180	1.5-2.5	208 x 1575-2553	27
LFA 3.1	7925220180	3.1	208 x 3,000	15
LFA 4.1	7925230180	4.1	208 x 4,000	17

Step 3 Choose Extraction Arm Mounting – Wall or Extension Crane. One item required from each subcategory for Single Arm Base Units, two items required from each subcategory for Dual Arm Base Units.

WALL MOUNT

Product Name	Product Number
WALL MOUNTING HARDWARE	
Bracket for LFA 2.0 and LTA 2.0 Extraction Arms	7915201700
Bracket for LFA 3.1, 4.1 and 4.1-LC Extraction Arms	7915302000
STARTING CONTROL	
Working light + Sensor	7900010190
Connection Wire (11m)	9850031050
Control Box	7900020300
Thermal relay (SF2400)	0328400090
Thermal relay (SF4200)	0328400120
Starter/Overload Switch for SF 2400 Fan – 415V	0328270160
FAN	
SF 2400 0.75KW 415/3	7905220740

EXTENSION CRANE

Product Name	Product Number
EXTENSION CRANE	
EC 2 – 2m long	7920122700
EC 4 – 4m long	9830401700
STARTING CONTROL	
Working light + Sensor	7900010190
Connection Wire (11m)	9850031050
Control Box	7900020300
Thermal relay (SF2400)	0328400090
Thermal relay (SF4200)	0328400120
Starter/Overload Switch for SF 4200 Fan	0328270170
FAN	
SF 4200 1.5KW 415/3 (right inlet)	7906010010

REQUIRED ACCESSORIES

GENERAL OPTIONS

LTA 2.0 Telescopic Fume Extraction Arm

Arm retracts from 1 meter to 1.5 meters and pivots 45°. Optional Lamp Kit with Arc Sensor available. Includes wall mounting bracket.
Order 7925260180



LFA 2.0, LFA 3.1 and LFA 4.1 Fume Extraction Arms

Friction balanced extraction arm with 360° rotatable hood, airflow throttle valve and extraction focus spoiler. Optional Lamp Kit with Arc Sensor available.

Order
7925270180 for LFA 2.0
7925170180 for LFA 3.1
7925220180 for LFA 4.1



(Shown with SF 2400 Fan)

LFA 4.1-LC Low Ceiling Extraction Arm

4.1 meter spring balanced low ceiling extraction arm with 360° rotatable hood, airflow throttle valve and extraction focus spoiler. Optional Lamp Kit with Arc Sensor available. Ideal for facilities with ceiling heights of 3.1 meters or less.
Order 7925230180

Statiflex[®] 200-M and 400-MS

REQUIRED ACCESSORIES CONT.



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 extinguishes. 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. Required for Statiflex[®] 400-MS.

Order
See page 3



SF 24/SF 4200 Starter Overload Switch for 415V
When a Lamp Kit with Arc Sensor is NOT used, this overload switch retrofits the extraction unit for 230V operation of SF 2400 Fan. For Statiflex[®] 200-M only.

Order
0328270170



SF 4200 Fan
The 1.5Kw, 415/3Ph/50Hz fan has self-cleaning concave blades and provides a minimum airflow of 3000 m³/h. Includes mounting bracket.

Order
7906010010 right inlet
7906020010 left inlet



SF 2400 Fan
The 1HP, 415V/3Ph/50Hz fan has self-cleaning concave blades and provides an open air flow of 2400m³/h. Requires a mounting bracket.

Order 7905220740



EC 2 and EC 4 Extension Cranes
For large work areas, extend your reach 2 meters or 4 meters. 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
7920122700
9830401700



SF 2400 Starter Overload Switch for 415V
When a Lamp Kit with Arc Sensor is NOT used, this overload switch retrofits the extraction unit for 415V operation of SF 2400 Fan. For Statiflex[®] 200-M only.

Order 0328270160



SF 2400 Wall Mounting Bracket
Use 7915301700 Wall Mounting Bracket with LFA 3.1, LFA 4.1 or LFA 4.1-LC. Use 7915302000 with LTA 2.0 telescopic extraction arm, LFA 2.0 or EC 2 and EC 4 extension cranes.

Order
7915301700 for LFA 3.1, 4.1, and 4.1-LC
7915302000 for LTA 2.0, LFA 2.0, EC 2, and EC 4

RECOMMENDED ACCESSORIES TO EXPAND MACHINE CAPABILITIES



GENERAL OPTIONS

Thermal Relay Kit
Provides operation of SF 2400 Fan when using Lamp Kit with Arc Sensor.

Order 0328400090



GENERAL OPTIONS STATIFLEX[®] 200-M ONLY

Cellulose Filter
Use as replacement for cellulose filter.

Order 9850060050



Order 9850070060

Non-Return Valve
Converts Statiflex[®] 200-M to exhaust only (no filtration). Remove filter and install Non-Return Valve.

Order 790003080



Feeder Hanger Arm

Use with either extension crane to slide mount a wire feeder on the first section of the crane.

Order 7900070080



Cellulose/Polyester High Efficiency Filter

Use as replacement for cellulose/polyester high efficiency filter. Filter class MERV 16 per ASHRAE 52.2. Filter can also be used in models originally equipped with cellulose filter.

Order 9850060250



GENERAL OPTIONS STATIFLEX[®] 400-MS ONLY

Cellulose Filter
Use as replacement for cellulose filter.

Order 9850060110



Air Exhaust Silencer

Reduces exhaust air noise from filter unit. Noise reduction on airflow 20 dB(A) (indicative only).

Option available on request



Activated Carbon Filter

Activated carbon filter installs over cellulose 9850060050 or cellulose/polyester filter 9850060250 and is designed to neutralize welding fume odors.



Cellulose/Polyester High Efficiency Filter

Use as replacement for cellulose/polyester high efficiency filter. Filter class MERV 16 per ASHRAE 52.2. Filter can also be used in models originally equipped with cellulose filter.

Order 9850060240

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 advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products. 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.

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