

H25/H50-EF STATIFLEX 300-M



H25/50-EF

This air cleaner is suitable for extracting welding fumes in situations where it is impossible to use an extraction arm at the source. The H25/50-EF is suitable for treating regular and oily welding fumes originating from oil treated steel.

The system is based on an electrostatic filter and has a built in fan.

For removing oil mist, the H25/H50-EF can be equipped with an oil mist eliminator as a prefilter. The unit is fitted as standard with an oil collector which can be fitted with a tap to drain the oil.



Statiflex 300-M

This unit is fitted with a multi-layer bag filter. This filter combines excellent efficiency with low air resistance. The SFM has been developed for applications with a low dust/welding fume load, such as TIG welding. Furthermore, the SFM is specially suited to be used as a backup filter after the SFE. If the electrostatic filter becomes clogged, the SFM, because of its low air resistance, ensures that filter efficiency is guaranteed.

ADVANTAGE

- ✓ Easy clean electrostatic filter system
- ✓ Collector surface area:
H25-EF: 14.2 m²
H50-EF: 28.4 m²
- ✓ Filter efficiency up to 99%
- ✓ Adjustable outlet grid
- ✓ Aluminium spark arrester
- ✓ Power consumption:
H25-EF: 0,75 kW
H50-EF: 1,5 kW
- ✓ Maximum capacity
H25-EF: 2500 m³/h
H50-EF: 5000 m³/h
- ✓ High voltage indicator light
- ✓ Fitted with an oil collector as standard
- ✓ Can optionally be fitted with an oil drain tap and various types of prefilters and final filters
- ✓ Fitted with an integrated fan
- ✓ Weight
H25-EF: 100 kg
H50-EF: 195 kg

ADVANTAGE

- ✓ Synthetic bag filter class F8
- ✓ Aluminium spark arrester
- ✓ Maximum capacity
Statiflex 300-M-1: 2500 m³/h
Statiflex 300-M-2: 5000 m³/h
- ✓ Weight
Statiflex 300-M-1: 44 kg
Statiflex 300-M-2: 66 kg

STATIFLEX 6000-MS

ADVANTAGE

- ✓ RotaPulsePlus® automatic filter cleaning
- ✓ Cartridge filter with ExtraCoat® treatment and 3-D pleating
- ✓ Filter surface area 150 m²
- ✓ Filter efficiency up to 99.8%
- ✓ To be installed with the optional heavy particle and spark pre-separator
- ✓ Compressed air connection 6 bar
- ✓ Compressed air consumption:
max. 150 NL/min
- ✓ Weight 250 kg
- ✓ Filter residue container: 100 litres
- ✓ Position air inlet: 8 options
Position air outlet: 2 options

The central filter unit Statiflex 6000-MS is capable of providing high efficiency filtration for up to 4 arms and SF 2400 fan combinations. If a greater capacity is required, several systems can easily be linked due to the modular construction method. The filter system can be used with several individual fans or one central fan. The system is based upon the RotaPulsePlus concept. This cleaning method gives the Statiflex 6000-MS a constantly high exhaust capacity, a low level of energy consumption and a longer filter life span. In addition to the extraction of welding fumes, it is also particularly suitable for connection to a cutting table.

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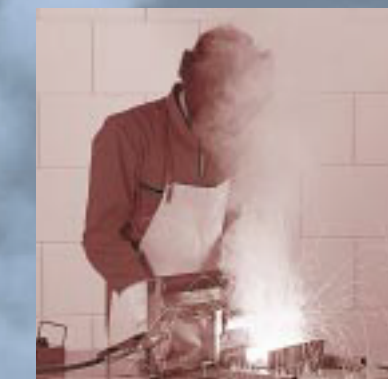
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LINCOLN ENVIRONMENTAL SYSTEMS



STATIONARY WELDING FUME EXTRACTORS



The extraction of welding

fumes may cause an important

loss of expensively heated air.

In order to avoid this, the

Pro Source stationary welding

fume extractors filter the

contaminated air and

recirculate it into the work area.

Incidentally, filtering the

extracted welding fumes can

also be necessary to satisfy

the applicable emission

standards.

The complete range of Pro

Source stationary welding

fume extraction units can be

combined with various filter

systems and extraction arms.

As a result of this, there is a

suitable stationary welding

fume extraction solution for

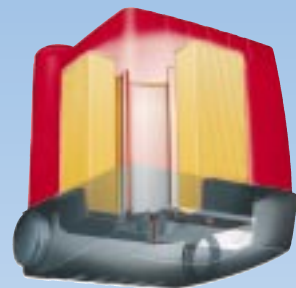
any type of welding area.

The product performance data of this brochure and related attachments are from LINCOLN ELECTRIC application engineering laboratory. 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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Mechanical filtering technique

The Lincoln Pro Source LongLife® filter has a filter surface of no less than 50 m². In combination with its special structure this results in a high filter efficiency, a long life span and low operational cost. The system is suitable for dry welding fumes.



Self-cleaning filtering technique

The Lincoln Pro Source RotaPulse® concept is a fully automatic mechanism which cleans the filter sections periodically through air pulses from a pressure vessel. This results in a constantly high extraction capacity. Through the ExtraCoat® treatment of the filter and its 30 m² surface, it has a highly efficient filter and a long life span. The system is suitable for dry welding fumes.

FILTERING TECHNIQUES



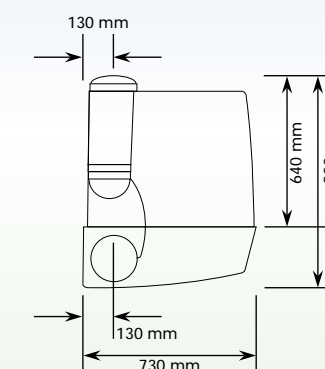
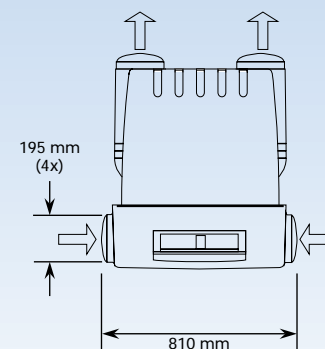
Electrostatic filtering technique

The electrostatic filter is made up of three sections i.e. a mechanical pre filter, an ioniser where the polluted particles are charged and a collector with an effective surface area of 14.2 m². The collector is equipped with electrically charged plates which attract the polluted particles. The purified air is re-circulated via an after filter. The system is particularly suitable for the extraction of welding fumes released during the processing of oil treated steel.

STATIFLEX 200-M MECHANICAL FILTER



Dimensions Statiflex 200-M



The heart of the Statiflex 200-M is the LongLife® filter with metal spark arrester. The combination of the filter surface (50 m²) and 3-D pleating, makes the dust collection capacity of this filter enormous.

The Statiflex 200-M can be combined with the extraction arms LFA 2.0/3.0/4.0/3.1 and 4.1. It is designed for infrequent to regular welding operations, where dry welding fumes are released.

A clogged filter indicator shows whether the extraction is still satisfactory or whether the filter needs to be replaced. The Statiflex 200-M can support a maximum of two welding workplaces.



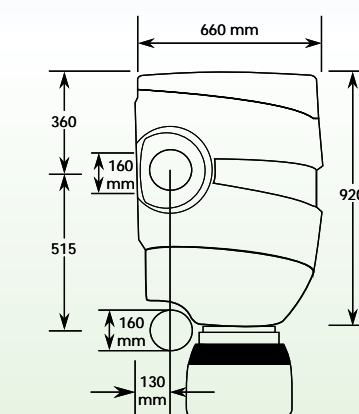
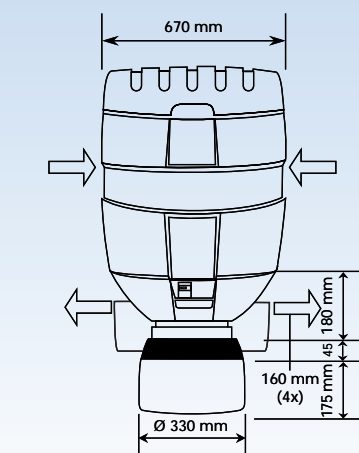
ADVANTAGE

- ✓ LongLife® filter
- ✓ Filter surface area 50 m²
- ✓ Filter efficiency up to 99%
- ✓ Aluminium spark arrester
- ✓ Clogged filter indicator
- ✓ Suitable for a maximum of two extraction arms, each fitted with a SF 2400.
- ✓ Weight 30 kg

STATIFLEX 400-MS SELF-CLEANING FILTER



Dimensions Statiflex 400-MS



The Statiflex 400-MS is based on the fully automatic RotaPulse® concept. The cleaning of the filter segment by segment with compressed air results in a constant high airflow. RotaPulse® operates with compressed air and is equipped accordingly with an external connection as standard. A control voltage of 24 Volt is required to drive the pulse/cleaning mechanism. The Statiflex 400-MS is designed for intensive welding operations, whereby dry welding fumes are released. It is suitable for one extraction arm in combination with a fan SF 2400 or fan SF 4200.

ADVANTAGE

- ✓ RotaPulse® automatic filter cleaning
- ✓ Cartridge filter with ExtraCoat® treatment
- ✓ Filter surface area 30 m²
- ✓ Filter efficiency up to 99.8%
- ✓ Max. noise level 69 dB(A)
- ✓ Aluminium spark arrester
- ✓ Compressed air connection 4-5 bar
- ✓ Suitable for one extraction arm in combination with a fan SF 2400/SF 4200
- ✓ Weight 85 kg
- ✓ Control voltage 24 V

STATIFLEX 300-E ELECTROSTATIC FILTER

The Statiflex 300-E is most suited to the extraction of welding fumes originating from oil treated steel. It can be supplied in two capacities: The Statiflex 300-E-1 is suitable for a maximum of two workplaces if the fumes are discharged to the outside. The Statiflex 300-E-2 can handle a maximum of five workplaces. If recirculation is used, these numbers are respectively one and three. Greater capacities can be achieved by combining separate Statiflex 300-E units. By combining various types of prefilters and final filters, the most suitable extraction can be achieved for each machining process.

ADVANTAGE

- ✓ Electrostatic filter system, easy clean
- ✓ Collector surface area:
 - Statiflex 300-E-1: 14.2 m²
 - Statiflex 300-E-2: 28.4 m²
- ✓ Filter efficiency up to 99%
- ✓ Aluminium spark arrester
- ✓ Power consumption:
 - Statiflex 300-E-1: 30 W
 - Statiflex 300-E-2: 50 W
- ✓ Maximum capacity with external discharge
 - Statiflex 300-E-1: 2500 m³/h
 - Statiflex 300-E-2: 5000 m³/h
- Maximum capacity with recirculation
 - Statiflex 300-E-1: 1000 m³/h
 - Statiflex 300-E-2: 3000 m³/h
- ✓ High voltage indicator light
- ✓ Fitted with an oil collector as standard
- ✓ Can optionally be fitted with an oil drain tap and various types of prefilters and final filters
- ✓ Weight
 - Statiflex 300-E-1: 60 kg
 - Statiflex 300-E-2: 100 kg

Dimensions Statiflex 300-M

