OF 400/600

Manual



NOTE: Please read before start-up

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Table of Contents

1.0 General Information

1.1 Safety Note

1.2 Range of Application

1.3 Impact

1.4 Installation Site

1.5 Mounting

1.6 Electrical

1.7 Start-Up

1.8 Technical Data

1.9 Engine Data

2.0 Maintenance

2.1 General

2.2 Filter Changes

2.3 Replacement Filters

1.0 General Information

Of 400 / OF 600 is a mechanical oil and emulsion nebula separator with a degree of separation of 99.99% with a particle size of 0.3 microns.

The device is equipped with filter cartridges from glass fiber felt and aluminium separators as well as a HEPA filter (not washable).

The complete unit consists of:

- Housings from powder coated steel sheet
- Filter cartridge
- HEPA filters
- Fan
- Pressure gauges
- Starting device with overcurrent protection

The separated emulsion liquid flows back automatically OF from the filter to the machine through the inlet tube.

1.1 Safety Note

When transporting, the device must be standing straight up.

Always turn off the current supply before opening the device.

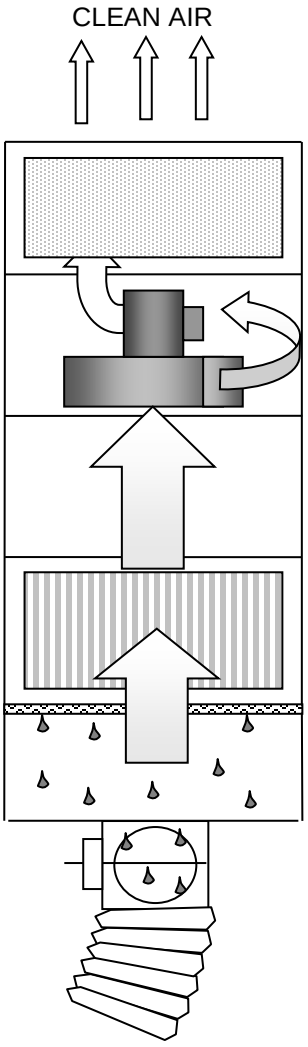
NB!
This product was developed with consideration of the requirements defined in the EEC guidelines. In order to correspond to these quality requirements, executed installations, repair and maintenance work may only be performed by specialists with use of original spare parts. Consult with your local authorized Fumex dealer for spare parts.

1.2 Range of Application

OF filters are made for separation of emulsion mist and light oil mist from eg machine tools.

OF filters can HEPA filters used for recirculating the filtered air ..

1.3 How the oil mist filter works



HEPA-Filter: Meets all environmental certification requirements. Degree of separation 99.99%, not washable, but easily changeable.

Fan

Filter . Glas fiber filters with aluminium separators.
Should be exchanged at a pressure of 800Pa

Labyrint filter.

Intake from the bottom with built-in lockable gate. The separated emulsion liquid is returned to the machine through the inlet

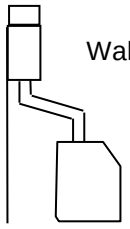
1.4 Installation Site

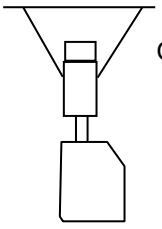
OF-Filter is suitable only for the application intended, in dry areas.

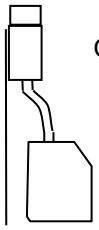
Cleaned air is blown out upward. The exhaust may not be covered.
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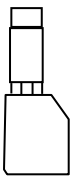
1.5 Installation

Installation place for OF filter should be selected so that the piping is as short as possible (maximum 15m diameter 160mm pipe). In addition, consideration must be taken so that it is easy to service.
Oil-tight tube or hose material that can withstand oil to be used. It shall always be instances of the filter to the machine to the separated liquid to flow back.
Fixture for wall / ceiling / column assembly is further integrated into the filter housing. OF filter can also be mounted on top of the machine but must be equipped with legs (optional)..


Wall


Ceiling


Column

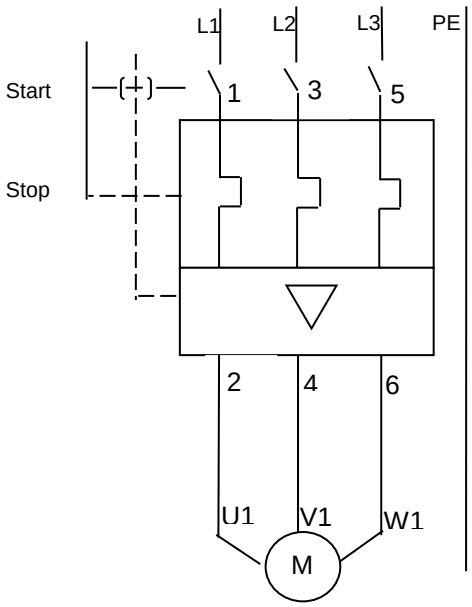

On top of machine

1.6 Electrical

OF-400/600 in 1-phase is delivered with electrical switch with overcurrent protection and 4m cable with wall plug.

OF-400/600 in 3-phase is delivererd with a connection box but without switch.

Electrical connection must be performed by licensed electricians.
The relevant regulations are to be observed.



1.7 Start-Up

Make sure the filter cartridge is correctly installed.
Packing and handles upward.

Start the fan and make sure it goes in the right direction.
Pressure gauge on the HEPA filter should be 100Pa.

1.8 Technical Data

		OF-400	OF-600
Dimension:	Length:	420mm	530mm
	Width:	440mm	535mm
	Height:	800mm	770mm
Filter Area:	Prefilter	3 + 3m²	4,5 + 4,5m²
	HEPA-Filter:	6m²	9m²
INLET:		DN 160mm	DN 160mm

1.9 Fan Data

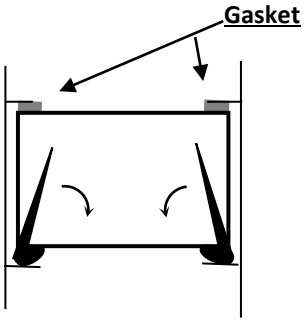
	OF-400 1~	OF-400 3~	OF-600 1~	OF-600 3~
Operating Voltage:	220V	400V	220V	400V
Capacity KW:	0,37 kW	0,37 kW	0,75 kW	0,75 kW
Rated current:	2,73 A	0.94 A	5 A	1,83 A
Rotations:	2.900 r/min	2.900 r/min	2.900 r/min	2.900 r/min
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Safety Class	IP-54	IP-54	IP-54	IP-54

2.0 Service

2.1 Allmänt

2.2 Filter byte

Switch the device off and disconnect the electricity. Open the door and remove the filter by pushing the handles down
NOTE When removing make sure cartridge is not damaged.



When replacing the filter cartridge ensure that the seals are located above the filter

2.3 Replacement Filters

OF 400	**OF 600**
OF 400/EU5,EU9	OF 600/EU5,EU9
OF 400/HEPA	OF 600/HEPA