



**Oil mist separator filter  
HOUF**

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**Maintenance manual (EN)**

V1.0-2021

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## 1. Introduction

This manual cannot be reproduced, even partially, without prior written consent by Formula Air Group. Every step of the filter range has been deeply analyzed by Formula Air Group in the expected area during the design, construction, and user manual creation. However, it is understood that nothing can replace the experience, training and good sense of those professionals who work with the device.

Ignoring the cautions and warning from the present user manual, using improperly parts or the whole device supplied, using unauthorized spare parts, manipulating the device by non-qualified personnel, violation of any safety norm regarding design, construction and use expected by the supplier, exempt Formula Air Group from all responsibility in case of damages to people or properties.

Formula Air Group does not take any responsibility for the non-observance of the user about the preventive safety measures presented in this user manual.

Failure to comply with the requirements of the user manual or incorrect use of the filter during operation can lead to the damage of the filter and improper functioning of the filter itself. This will result in termination of the warranty on the item and will release the manufacturer from any liability.

### Warranty

Regarding to the device's warranty, see the sales general condition.

### Attention !

All drawings and references contained within this user manual are non-contractual and are subject to change without prior notice at the discretion of the Formula Air Group and its partners.

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## 2. General description

Oil mist separator filter types HOUF 80 / 100 / 125 / 160 and 200 are used for separation of air and oil particles. These oil separators are designed for low temperature filtering (meaning room temperature).

Standard color finish is powder enamelling for indoor mounting.

For outdoor mounting the unit must be manufactured in galvanized and then powder enamelled version.

The unit types may not be used in connection with ATEX-classified areas.

## 3. Construction

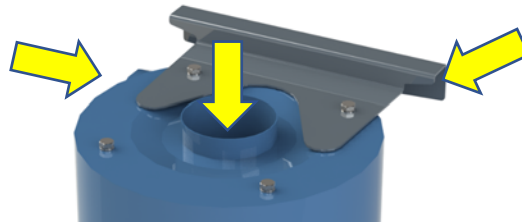
The HOUF oil mist separator filters are delivered with filter mat around the center core.

Oil separator casing consists of top and bottom housing. A drain cock is located on the bottom of the lower housing.

## 4. Mounting instructions

The HOUF oil mist separator filter is attached to a wall via top fittings with 2 bolts.

The HOUF oil mist separator filter is suspended via top fittings and connected to piping on inlet and outlet connection piece.



Make sure to use airtight fittings on the pipes to avoid leakage.

## 5. General information

The total extraction system must be equipped with control device to monitor whether the extraction is sufficient. We recommend a system guard from the supplier.

## 6. Inlet and outlet pipe

The HOUF oil mist separator filter is fitted with connection pieces for ventilation pipe connection. Dimension and possible direction of these will be agreed upon with customer in advance or is standard design.

Note that all pipe elements need to be airtight and fully welded to avoid leakage.

## 7. Operation instructions

Pressure drop over the filters must be checked regularly to replace these in time.

The maximum differential pressure should be around 1200 Pa. Remember to drain out oil towards an oil reservoir or returned in the production process.

To exchange the filter :

1. the oil is drained out,
2. lower housing is removed (bayonet lock),
3. filter plate is dismantled,
4. and filter is pulled out.

To place the new filter element, follow the same steps in reverse.

## 8. Unit condition during operation

All filter fittings must be in place and secured.

The lower housing needs to be mounted and locked correctly during all steps of filter operation.

## 9. Daily maintenance

Differential pressure is monitored daily.

Make sure to drain the excess oil from the lower housing.

### 9.1. Safety rules at service

Before and during service and maintenance following rules must be observed :

## 10. After maintenance

After the maintenance operations are completed, make sure that all components are locked back in place.

Test and control the filter unit before operation.

## 11. Dismantling and recycling

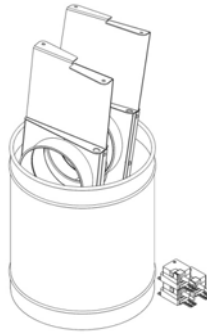
When dismantling a unit, be sure to keep in mind the following important information:

- As the unit is dismantled, set aside all still functioning parts to re-use them on another unit.
- You should always separate the different materials depending on their type: iron, rubber, oils, greases, etc.
- Recyclable parts must be disposed of in the appropriate containers or brought to a local recycling company.

The rubbish must be collected in special containers with appropriate labels and disposed of in compliance with the national laws and/or local legislations in force.

### **CAUTION!**

It is strictly forbidden to dispose of toxic wastes in municipal sewerage and drain systems. This concerns all oils, greases, and other toxic materials in liquid or solid form.



## 12. Maintenance log

date	description



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