



HFE

25/50/100

Wall or ceiling mounted industrial air cleaner with electrostatic filter and integrated extraction fan. Depending on the specific application, pre and final filters have to be selected and ordered separately. The HFE-25/50/100 is eminently suitable for filtering airborne particles typical for warehouses, like dust produced by paper, cardboard boxes as well as organic particles. The filter unit can also be used for treating welding fumes originating from oil treated steel. The integrated oil collector ensures easy oil removal.

APPLICATIONS

The HFE-25/50/100 **is intended** to be used for the following applications:

- airborne dust particles
- all common welding processes
- oil mist in welding fume



Do **not** use the HFE-25/50/100 for the following applications or in the following circumstances:

- arc-air gouging
- aluminium laser cutting
- extraction of aggressive fumes and gases (e.g. from acids, from alkaline, from soldering paste containing lithium)
- extraction of hot gases (more than 45°C/113°F continuously)
- grinding aluminum and magnesium
- flame spraying
- sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids
- explosive environments or explosive substances/gases



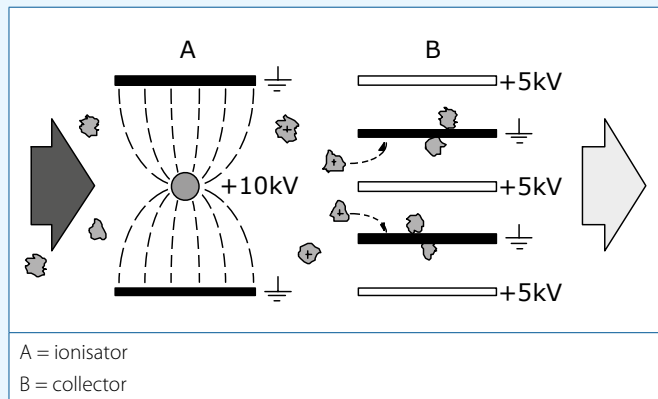
SPECIFICATIONS

	HFE-25	HFE-50	HFE-100
Physical dimensions and properties			
height	630 mm	630 mm	630 mm
width	560 mm	1010 mm	1460 mm
depth	993 mm	993 mm	1060 mm
Weight (net)	100 kg	195 kg	pending
Material housing	epoxy coated steel		
Colour	grey RAL 7035		
Filters			
Filter package:			
• FIS (ionizer)	1	2	3
• FCS (collector)	1	2	3

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Material: <ul style="list-style-type: none">• ionizer• collector	<ul style="list-style-type: none">• aluminium• aluminium		
Max. filtration capacity	2500 m³/h	5000 m³/h	10000 m³/h
Filter surface	14,2 m²	28,4 m²	42,6 m²
Pre/final filters	to be selected/ordered separately		
Pressure drop	< 150 Pa	< 175 Pa	<i>pending</i>
Electrical data			
Supply voltage	230V/1~/50Hz		
Power consumption: <ul style="list-style-type: none">• motor• filter package	700 W 35 W	1400 W 40 W	2540 W 45 W
Thermal protection	yes, integrated with fan		
Control voltage	24 VAC		
Control fuse	2.0 AT		
Voltage: <ul style="list-style-type: none">• ionizer• collector	+5 kV +10 kV		
Ambient conditions			
Operating temperature: <ul style="list-style-type: none">• minimum• nominal• maximum	5°C 20°C 45°C		
Max. relative humidity	80%		
Outdoor use allowed	no		
Storage conditions	<ul style="list-style-type: none">• 5 - 45°C• relative humidity max. 80%		

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Product combinations (choice required)			
Prefilters: <ul style="list-style-type: none">SAFSOD	<ul style="list-style-type: none">aluminium filter (standard)demister for oilmist application		
Final filters: <ul style="list-style-type: none">SAFSSFSCF	<ul style="list-style-type: none">aluminium filter (standard)progressive synthetic filter (filter class G3)activated carbon filter for odour control		
Options			
Oil disposal device	oil drainer		
Remote control with timer	RC-CME RC-CME/T		
Scope of supply			
Air cleaner (incl. ionizer + collector, excl. pre and final filter) - Electrical diagram - Manual - Square key 6 mm - Mounting material (4x eye bolt - 4x sliding nut - 4x lock ring)			
Shipping data			
Gross weight (1 pc)	115 kg	210 kg	pending
<ul style="list-style-type: none">Max. number/palletpacking dimensions cm	3 80x120x210	1 80x120x130	pending pending
<ul style="list-style-type: none">gross weight	345 kg	210 kg	pending
Harmonized Tariff Code	8421.39.2090		
Country of origin	Netherlands		

ELECTROSTATIC FILTER PRINCIPLE



APPROVALS/CERTIFICATES



FEATURES

Constant extraction level due to open filter structure	
High voltage indicator light	
Easy access to electro part	

Product type	HFE-25/50/100
Product category	Spatial filtration systems
Version	14042017/B