



HFE

25/50

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 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 **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 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



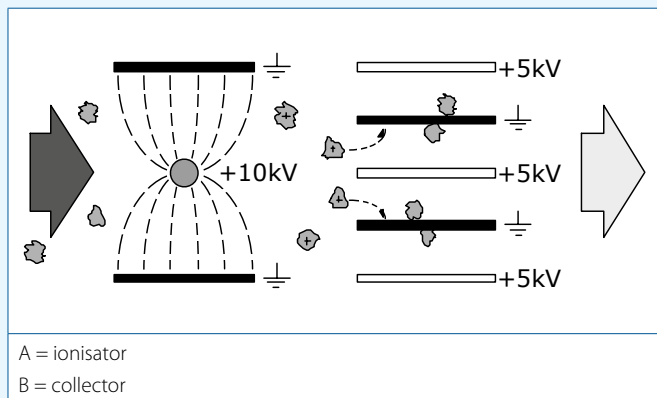
SPECIFICATIONS

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

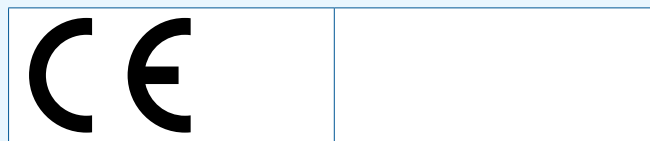
	HFE-25	HFE-50
Material:	<ul style="list-style-type: none"> • aluminium • aluminium 	
Max. filtration capacity	2500 m³/h	5000 m³/h
Filter surface	14,2 m²	28,4 m²
Pre/final filters	to be selected/ordered separately	
Pressure drop	< 150 Pa	< 175 Pa
Electrical data		
Supply voltage	230V/1~/50Hz	
Power consumption:		
• motor	700 W	1400 W
• filter package	35 W	40 W
Thermal protection	yes, integrated with fan	
Control voltage	24 VAC	
Control fuse	2.0 AT	
Voltage:		
• ionizer	+5 kV	
• collector	+10 kV	
Ambient conditions		
Operating temperature:		
• minimum	5°C	
• nominal	20°C	
• maximum	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% 	

	HFE-25	HFE-50
Product combinations (choice required)		
Prefilters:	<ul style="list-style-type: none"> SAF SOD 	<ul style="list-style-type: none"> aluminium filter (standard) demister for oilmist application
Final filters:	<ul style="list-style-type: none"> SAF SSF SCF 	<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
<ul style="list-style-type: none"> Max. number/pallet packing dimensions gross weight 	3 80 x 120 x 210 cm 345 kg	1 80 x 120 x 130 cm 210 kg
Harmonized Tariff Code	8421.39.2090	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
Product category	Spatial filtration systems
Version	24112015/A