



HFE/SFM

25/50

Wall or ceiling mounted industrial air cleaner with electrostatic filter, bag filter and integrated extraction fan. Depending on the specific application. The HFE/SFM-25/50 is suitable for filtering airborne particles that are typical common in warehouses, like dust produced by paper, cardboard 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/SFM-25/50 **is intended** to be used for the following applications:

- airborne dust particles
- all common welding processes
- oil mist in welding fume
- light industrial welding applications such as TIG-welding



Do **not** use the HFE/SFM-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
- medium and heavy welding applications
- flame spraying
- spark machining
- sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids
- extraction of cement, sawdust, wood dust etc.
- explosive environments or explosive substances/gases



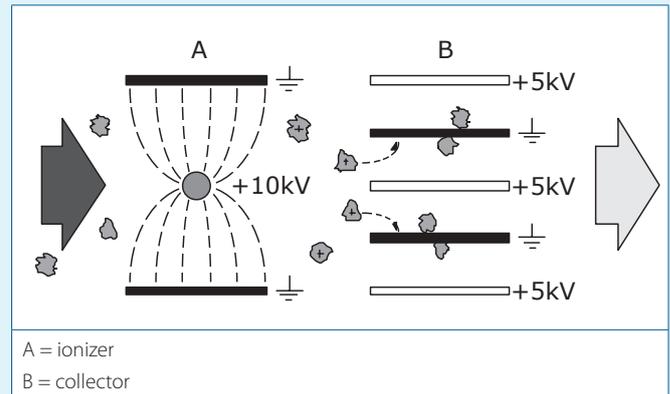
SPECIFICATIONS

	HFE/SFM-25	HFE/SFM-50
Physical dimensions and properties		
Height	630 mm	630 mm
Width	1650 mm	1650 mm
Depth	560 mm	1010 mm
Weight (net)	145 kg	265 kg
Material housing	epoxy coated steel	
Colour	grey RAL 7035	

	HFE/SFM-25	HFE/SFM-50
Filters		
Filter package HFE:		
• FIS (ionizer)	1	2
• FCS (collector)	1	2
Filter package SFM:		
• SAF (pre-filter)	1	2
• SBF (bag filter)	1	2
Material SFM:	<ul style="list-style-type: none"> • aluminium • 3 layers of synthetic fibers 	
Max. filtration capacity	2500 m ³ /h	5000 m ³ /h
Filter surface bag filter SFM	2,4 m ²	2x 2,4 m ²
Filter class		
• Pre filter	G3	
• Bag filter	F7	
Pre- and final filter	select and order separately	
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	+10 kV	
• collector	+5 kV	

	HFE/SFM-25	HFE/SFM-50
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% 	
Product combinations (choice required)		
Prefilters:		
• SAF	• aluminium filter	
• SOD	• demister for oilmist application	
Final filters:		
• SAF	• aluminium filter	
• SSF	• progressive synthetic filter (filter class G3)	
• SCF	• 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, bag filter, excl. pre and final filter)		
- Electrical diagram		
- Manual		
- Square key 6 mm		
- Mounting material (4x eye bolt - 4x sliding nut - 4x lock ring)		
Harmonized Tariff Code	8421.39.2090	
Country of origin	Netherlands	
Order information		
Article number		
Airflow left-right, F7	1040253120	1040145185
Airflow right-left, F7	1040253130	1040145195
Airflow left-right, G3	1040253110	1040145180
Airflow right-left, G3	104253100	1040145190

ELECTROSTATIC FILTER PRINCIPLE

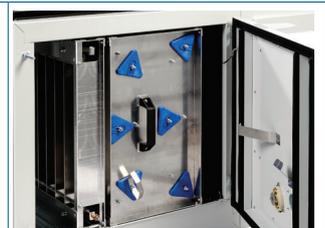


APPROVALS/CERTIFICATES



FEATURES

Constant extraction level
due to open filter structure HFE



High voltage indicator light



Easy access to electro part HFE



Product type	HFE/SFM-25/50
Product category	Spatial filtration systems
Version	24012019/B