GIESEN®
coffee-roasters

SFE-25/50/75

product data sheet

APPLICATIONS

The SFE range is intended to be used for the following applications:
- filtration of extracted fumes from commercial kitchens

Do **not** use the SFE range for the following applications or in the following circumstances:
- extraction of continuous hot air, gases or vapours (>45°C/113°F)
- high concentrations of mill dust, flower dust etc.
- relative humidity >70%

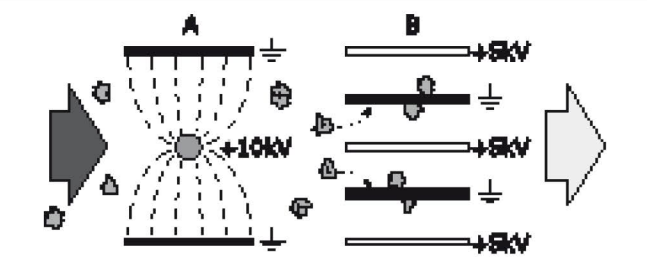
SPECIFICATIONS

	SFE-25	SFE-50	SFE-75
Physical dimensions and properties			
Dimensions: • height • width • depth	 630 mm 560 mm 660 mm	 630 mm 1010 mm 660 mm	 630 mm 1460 mm 660 mm
Weight (net)	60 kg	100 kg	140 kg
Material housing	epoxy coated steel		
Colour	grey RAL 7035		
Filters			
Filter package: • FIS (ionizer) • FCS (collector)	 1 1	 2 2	 3 3
Material: • ionizer • collector	 aluminium aluminium		
Max. filtration capacity	2500 m³/h	5000 m³/h	7500 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	< 250 Pa
Electrical data			
Supply voltage	230-400V/1-3ph/50-60Hz		
Power consumption	35 W	40 W	50 W
Control voltage	24 VAC	24 VAC	24 VAC
Control fuse	2.0 AT	2.0 AT	2.0 AT

	SFE-25	SFE-50	SFE-75
Voltage: • ionizer • collector	 +5 kV +10 kV	 +5 kV +10 kV	 +5 kV +10 kV
Protection class	IP 55	IP 55	IP 55
Ambient conditions			
Operating temperature: • min. • nom • max.	 5°C (41°F) 20°C (68°F) 45°C (113°F)		
Max. relative humidity	70%		
Outdoor use allowed	no		
Storage conditions	• 5-45°C (41-113°F) • relative humidity max. 70%		
Product combinations (choice required)			
Prefilters: • SAF • SOD	 • aluminium filter (standard) • demister for oilmist application		
Final filters: • SAF • SSF • SCF • SBF	 • aluminium filter (standard) • progressive synthetic filter (filter class G3) • activated carbon filter for odour control • synthetic bag filter (additional final filter; filter class F8)		
Options			
Oil disposal device	oil drainer	oil drainer	oil drainer
Outlet grid	OG-25	OG-50	
Connection piece	RP-315/25	RP-400/50 RP-450/100	
Remote control • with timer	RC-MSA RC-MSA/T	RC-MSA RC-MSA/T	RC-MSA RC-MSA/T
Additional unit with bag filter	SFM-25	SFM-50	SFM-75

	SFE-25	SFE-50	SFE-75
Scope of supply			
Filter unit (incl. ionizer + collector, excl. pre and final filter) - Electrical diagram - Manual - Square key 6 mm			
Order information			
Article no.: *Airflow left-right* • 230V/1ph/50Hz • 400V/3ph/50Hz *Airflow right-left* • 230V/1ph/50Hz • 400V/3ph/50Hz	 7940040000 7940042000 7940140000 7940142000	 7941040000 7941042000 7941140000 7941142000	 7942040000 7942042000 7942140000 7942142000
Number/ package	1	1	1
Shipping data			
Gross weight (1 pc)	75 kg	115 kg	155 kg
Max. number/ pallet • packing dimensions • gross weight	6 • 80 x 130 x 210 cm • 375 kg	3 • 80 x 120 x 210 cm • 315 kg	3 • 80 x 160 x 210 cm • 435 kg
Harmonized Tariff Code	8421.39.2090		
Country of origin	Netherlands		

ELECTROSTATIC FILTER PRINCIPLE



A = ionizer
B = collector

Electrostatic Precipitators or ESP's work by ionizing and trapping grease and smoke particles onto collector plates. The SFE electrostatic air cleaner removes, at a high particulate removal efficiency, micro-sized grease particles that pass the grease filters.

APPROVALS/CERTIFICATES

CE	
RoHS	Directive 2011/65/EC (RoHS), valid as of 8 June 2011

FEATURES

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

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