

FCC-150/HE

FILTER CARTRIDGE

The FCC-150/HE is a two-piece filter cartridge used as a main filter in central filter systems. The medium is formed into a wedge-shaped filter pattern and molded into a round profile. As a result of this special pleated design and construction, along with the final embossing of filter medium, an equal airflow is created, enabling the weight of dust flow to be equally distributed over the filter surface.

The welding fume particles are collected on the outside of the filter cartridge.



APPLICATIONS

The FCC-150/HE is intended to be used for the following applications:



- MIG-MAG/GMAW welding
- TIG welding
- FCAW welding
- stick/MMAW welding

SPECIFICATIONS

Physical dimensions and properties	
Material	cellulose and polyester fibres
Diameter	Ø 860 mm
Height	2 x 600 mm
Colour	white/brown
Weight (net)	2 x 24 kg
Shape	pleated round
Number of pleats	798
Filter surface area	2 x 75 m²
Surface weight	185 g/m²
Performance	
Filter class	MERV 16 according to ASHRAE 52.2
Filter class/at flow (one filter cartridge)	4250 m³/h
Filtration speed	0,016 m/s
Air permeability test at 200 Pa	815 m³/m².h
Capacity	max. 7000 m³/h
Pressure drop (stabilized)	2000 Pa
Ambient conditions	
Process temperature:	• min. 5°C • nom. 20°C • max. 50°C
Max. relative humidity	75%
Suitable for outdoor use	no
Storage conditions	• 5-50°C • relative humidity max. 75%

Where used

SCS	central filter system
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Scope of supply

Filter cartridge (two-piece)

Order information

Article number	9850060260
Number/package	1 (two-piece)

Shipping data

Gross weight (incl. pallet)	2 x 26 kg
Packing dimensions	2 x (92 x 92 x 65 cm)
Max. number/pallet	1 (2 pieces)
Harmonized Tariff Code	8421.39.8015

APPROVALS/CERTIFICATES

CE	
	Test Report # 1655 dated 10/16/2008 by LMS Technologies, Inc.

Application restrictions

Do **not** use the product for the following applications or in the following circumstances: polishing applications in combination with grinding, welding or any other application that generate sparks (fibres from polishing or abrasive flap disks are highly flammable and pose a high risk of filter fires when exposed to sparks) | aluminium laser cutting | oil mist | heavy oil mist in welding fume | arc-air gouging | extraction of aggressive fumes and gases (e.g. from acids, from alkaline, from soldering paste containing lithium) | extraction of hot gases (more than 70°C continuously) | grinding aluminum and magnesium | flame spraying | extraction of cement, saw dust, wood dust etc. | sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids | explosive environments or explosive substances/gases



Product type	FCC-150/HE
Article no.	9850060260
Product category	filters
Version	180920/0

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