aerservice® Equipments

INDUSTRY

Technical data sheet

FILTERS

FE H

Electrostatic filters

APPLICATIONS

The electrostatic filters used in civil and industrial facilities which require very high levels of efficiency on medium-fine (
Optimum solution against PM 10, PM 2.5 and PM 1 outdoor pollution as well as protection for the heat exchanger battery and air distribution ducts from dirtying by atmospheric pollutants.
Thanks to their standardised sizes, compatible with the dimensions of traditional pocket filters, and the integrated watertight electronic circuit, they guarantee perfect interchangeability with standard dimension pocket filters and flat filter modules which are expensive and require frequent replacement.

FEATURES

The electrostatic filter cell has an aluminium frame, ionising section and collector cell in a mono-block aluminium configuration, electronics with voltage step-up inside the cell and operating signal.
- Installation:
The installation of electrostatic filters offers numerous alternatives both in civil and industrial fields.
By means of simple operations, it is possible to change a pocket filter system into an electro-static filter system, using the same runner guides.
- Maintenance:
This type of filter can be fully regenerated by means of washing with designated detergents. Through a chemical reaction, these detergents make the particulate detach from the filter, preventing costly and continuous replacement operations.
- Disposal:
Based on the type of use and the filtered pollutant, the wash liquid (water soluble detergent) may be disposed of directly and/or kept in dedicated containers to be sent to specialised waste management companies.

CERTIFICATIONS

CE EAC

TECHNICAL DATA

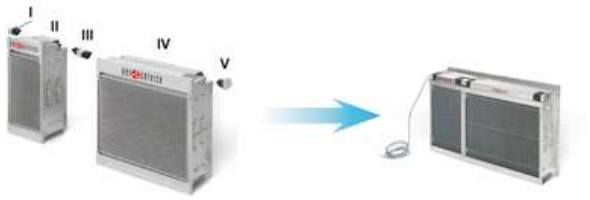
DESCRIPTION	UNIT OF MEASUREMENT	MOD. FE-H
Regeneration capabilities		yes
Class UNI 11254		A
Class UNI 1822*		H12* (The reference to class H is purely indicative)
Initial head loss	Pa	24
ILH efficiency on 0.4 µm	%	99,60
Limit value of fine particulate	g	600
Temperature limit value	°C	60
Relative humidity	%	90

DIMENSIONS

ESEMPI DI APPLICAZIONE COMBINAZIONI DI FILTRI

LEGENDA

I - CONNETTORE DI ALIMENTAZIONE
II - FILTRO FE-H 287X592X218
III - CONNETTORE DI GIUNZIONE
IV - FILTRO FE-H 595X592X218
V - CONNETTORE TERMINALE



DIMENSIONS BxHxD	AIR FLOW	INITIAL HEAD LOSS	WEIGHT	FILTER CLASS	EFFICIENCY ILH %	ELECTRICAL POWER SUPPLY	ELECTRICAL POWER
mm	m^3/h	Pa	Kg	UNI 11254	particles ≥0.4 µm)	Volt / Hz	Watt
592 x 592 x 218	1300	24	19	A	99,60	230 / 50-60	16
592 x 592 x 218	1700	42	19	B	99,50	230 / 50-60	16
592 x 592 x 218	2100	60	19	C	98,40	230 / 50-60	16
592 x 592 x 218	2550	87	19	D	97,30	230 / 50-60	16
592 x 592 x 218	3360	149	19	-	93,20	230 / 50-60	16

ACCESSORIES

JUNCTION BOX FOR 1-3 FILTER ROWS

JUNCTION BOX FOR 1 FILTER ROW

POWER SUPPLY CONNECTOR

JUNCTION CONNECTOR

TERMINAL CONNECTOR

DETERGENT FOR CLEANING ELECTROSTATIC CELLS

MICRO-SWITCH FOR FILTER UNIT DOOR

RESINED ALARM RELAY

QR CODE