

DEPURATORE D'ARIA
ELETTROSTATICO

FEM SYSTEM



DESCRIPTION

This module was created specifically to capture the particles such as oils and fats present in the fumes and vapours of industrial production and in the industrial and commercial kitchens.

The module contains active electrostatic filters with high performances and efficiency. It is produced in galvanized iron & painted with epoxy powder color RAL7035. A panel of spongy material on the surface of door and at the bottom surface of module provided to make seals to the air passage between the filters and the structure.

The power supply module is made through an electric power cable with plug type SCHUKO and socket EN 60320-1 / PA80.

In front of the module there is the MAIN SWITCH and the bi-color LED indicating the operating status: Green = OK; Red = failure.

FILTER STAGE

Inside the module various air filtration systems are installed.

1st stage is composed from filter fiber nonwoven EU3 (EN779) or with metal mesh filter for oil and fats PF METAL COMPACT

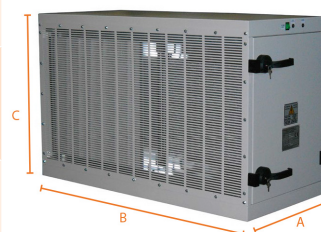
2nd stage is composed from electrostatic filters model FEL SYSTEM, classified high efficiency class A-PE filters (UNI11254:2007) or E10, old H10 class (EN1822:2009) if it works at 50% of maximal air flow. When the module works at maximal air flow, the class of filtration is F8 (according to old EN779:2012) and ePM1 70% (according to UNI EN ISO 16890). Moreover the electrostatic filters subjected to the tests of the UL867 standard have passed the tests and achieved the UL certification, a US standard that relates to the safety of equipment and specifically deals with the Safety of Electrostatic Air Filters.

3rd stage (optional): is composed from activated carbon filter 22mm or 50mm thick or ionisation cells model FI SYSTEM.



TECHNICAL DATA

Model	Supply	Air Flow (m³/h)	Weight (kg)	Dimensiona Wx LxH (mm)	Power
FEMFEL 300	230V/50Hz	650 ÷ 1700	30	570x780x328	12 W
FEMFEL 600	230V/50Hz	1300 ÷ 3400	60	570x780x615	16 W
FEMFEL 600 300	230V/50Hz	1950 ÷ 5100	70	570x780x905	28 W
FEMFEL 1200	230V/50Hz	2600 ÷ 6800	110	570x780x1210	32 W



COMPANY CERTIFICATIONS

ILH BERLIN
INSTITUT FÜR LUFTHYGIENE

BSRIA

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Consiglio Nazionale delle Ricerche



POLITECNICO DI TORINO



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