AIR TREATMENT SOLUTIONS

expansion® electronic

BETTER AIR FOR A BETTER QUALITY OF LIFE

RANGE IMPLEMENTATION
FE SYSTEM

DESCRIPTION

The implementation of electrostatic filters FE System was conceived to easily use them either with new and/or preexistent air filtration units without additional costs.
The filters guarantees a high filtration efficiency on particles until 0,10 micron. They are an excellent solution to fight outside polluted air of PM 2.5, which today is a problem of huge importance. The system guarantees a high reduction of bacteria in the air and an excellent protection of the heat exchanger and of the air pipes from obstruction of polluting agents. Compared to a traditional filtration technology, the electrostatic one allows a great energy saving thanks to low pressure drop.
The built-in electronic power input circuit is equipped with LEDs to notify the user that the filter is working correctly or if a maintenance is needed. The filters have standard dimensions according to European directive EN 15805:2008. Its adoption within ventilation plants in general, and more specifically in the air conditioning plants, does not imply any variation regarding constructive and dimensional characteristics of the plant. Thanks to its multipolar connection system, assembly and disassembly FE electrostatic filters become simple, it is enough to slide in and out the filtering units inside the support filter frame.
Thanks to a simply wash you can make an easy and fast maintenance of the electrostatic filter. For its innovative content, the FE system is covered by patent.

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TECHNICAL SPECIFICATIONS

MODEL	DIMENSION H x W x D mm	WEIGHT KG	ELECTRICAL POWER (W)	ACCUMULATION CAPACITY (g)	PRESSURE DROP (Pa)	AIR FLOW m^3/h				
FE 150RV	287x287x218	4,50	9	140	from 6 to 63	200	400	550	625	700
FE 300RV	287x592x218	9	9	280	from 6 to 63	250	500	630	720	1000

Air speed passage (m/s)	1	2	2,5	3	4
FILTRATION CLASS EN 1822:2009 (E10, E11 and EN779:2012 (F7,F8,F9)	E11	E10	F9	F8	F8

FE 150RV

FE 300RV

CERTIFICATIONS

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