

ELECTROSTATIC FILTER

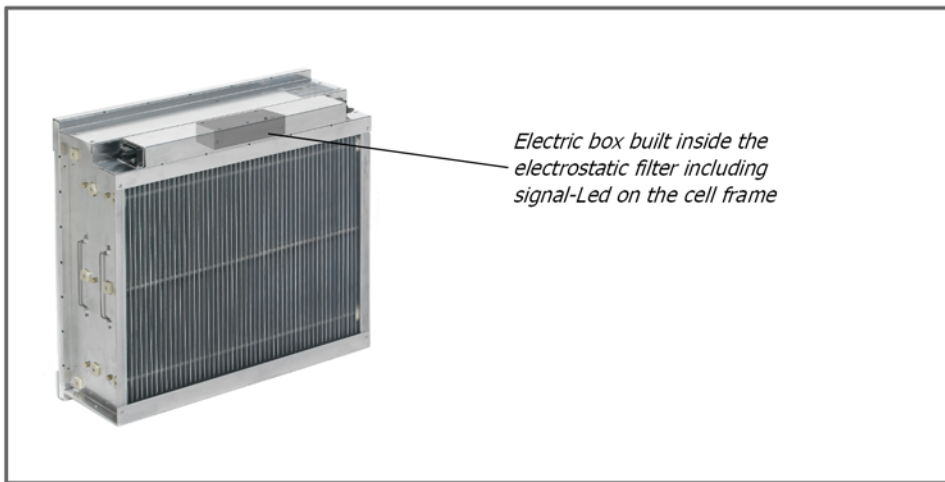
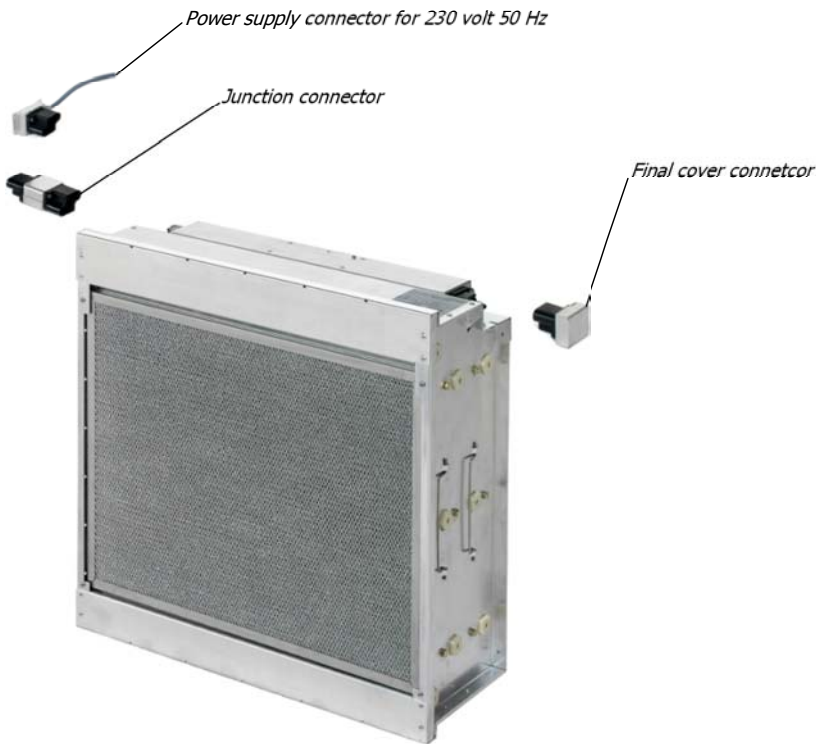
serie FE



FE 300

FE 600

patented **FE System**



Class A
According to UNI 11254 comparable
to classe H12 according to UNI1822

system
Patented

Standard dimensions
592x592 and 592x287

filter with
Incorporated Electric Box

low resistance on air flow that means
Energy Saving

power supply system
PowerUse

washable regenerating filter
Reusable

eliminates most of bacteria
Antibacterial

The FE system represents the alternative to conventional pocket filters, thought to make easy the use of electrostatic filters. Its application in the ventilation systems and particularly in the air conditioning field does not imply any kind of constructive or dimensional change on the installation.

Through its multipolar connection system and the incorporated electronic, FE300 and FE600 filters can be easily installed and disinstalled by the simple sliding of the unit through the frame structure.

Expansion Electronic offers a brand new range of electrostatic filters including a built in electric box in classes A, B, C, D (UNI 11254), whose use results simple either with new and/or pre existant plants without any adaptation costs.

The main features :

- **standard dimensions** according to the usual measures of pocket filters 592x592 and 592x287;
- **incorporated electric box** adjusted isolation to be bathed/cleaned in water;
- **multipolar connection** suitable for the network supply (230V - 50/60Hz) as well as for several parallel installed filters;
- **selfcentering system** allows to compensate manufacture intolerances up to 3 mm;
- **remote control/signal** of the functioning from external display accessories or directly from a Led in the filter itself.

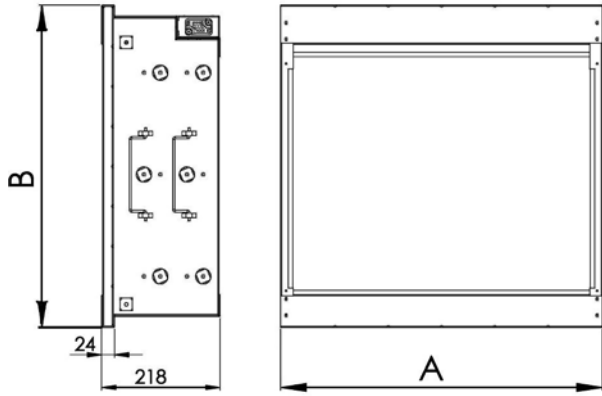
Performances :

- **high efficiency filtration** 0,3-0,4 micron Particles, comparable to class H efficiency according to UNI 1822;
- **excellent solution** to fight outdoor pllution of PM10, PM2,5 and PM1;
- **excellent protection** of the heat exchanger and of the air pipes from obstruction of polluting agents.

In relation to the conventional filtration, the FE system allows:

- **considerable energy saving** because of low resistance on air-flow an therefore reduced voltage;
- **constant efficiency of the filtration** up to a 600 g fine particles - load.

For its innovative content, the FE system is covered by patent.



ELECTROSTATIC FILTER

serie **FE**

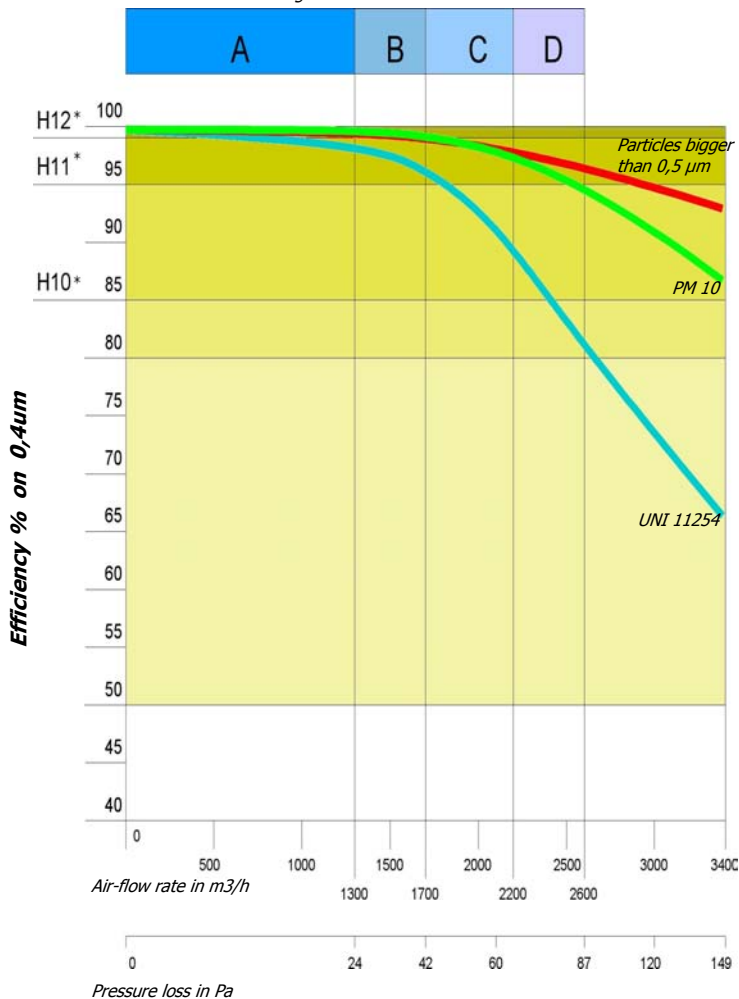
Frame : aluminium
 Pre-filter : metallic - air entry side
 Electric supply : 230volt 50 Hz

Modell	Dimensions AxBx218	Air flow rate m ³ /h	Pressure loss Pa	Weight Kg	Class of filtration according to UNI 11254	Efficiency ILH particles ≥0,5 μm	Supply electric	Power electric W
FE600	592x592x218	1300	24	19	A	99,60%	230V-50/60Hz	16
		1700	42		B	99,50%		
		2100	60		C	98,40%		
		2550	87		D	97,30%		
		3360	149		-	93,20%		
		FE300	287x592x218		600	24		
800	42	B		99,50%				
1000	60	C		98,40%				
1200	87	D		97,30%				
1600	149	-		93,20%				

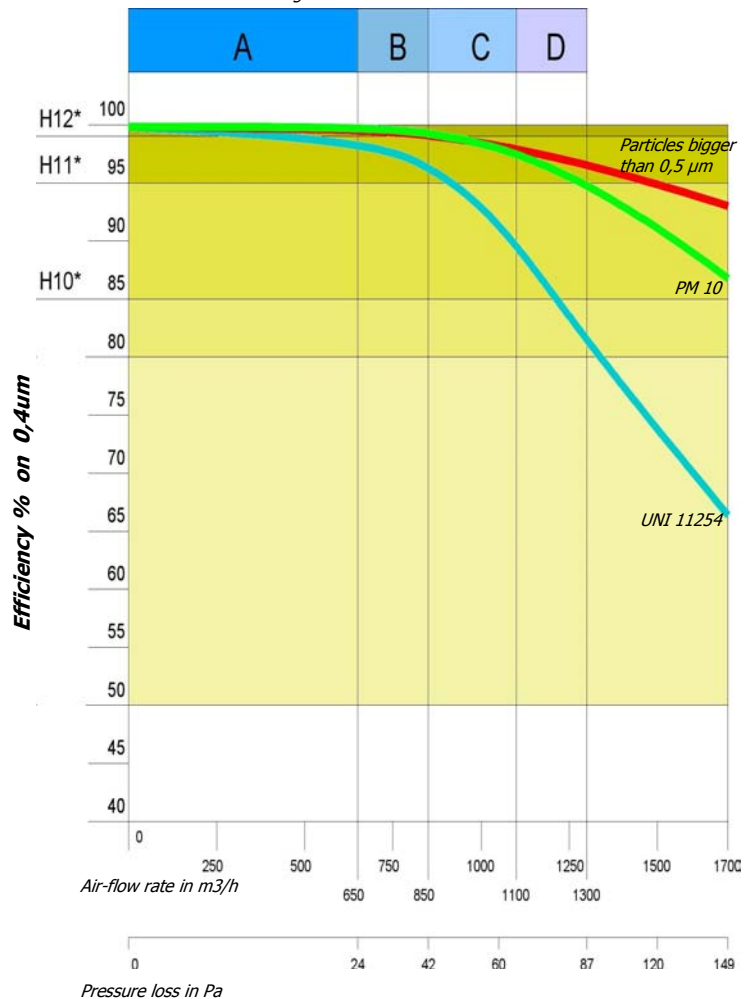
FE600 Efficiency data sheet

FE300 Efficiency data sheet

Classification according to UNI11254

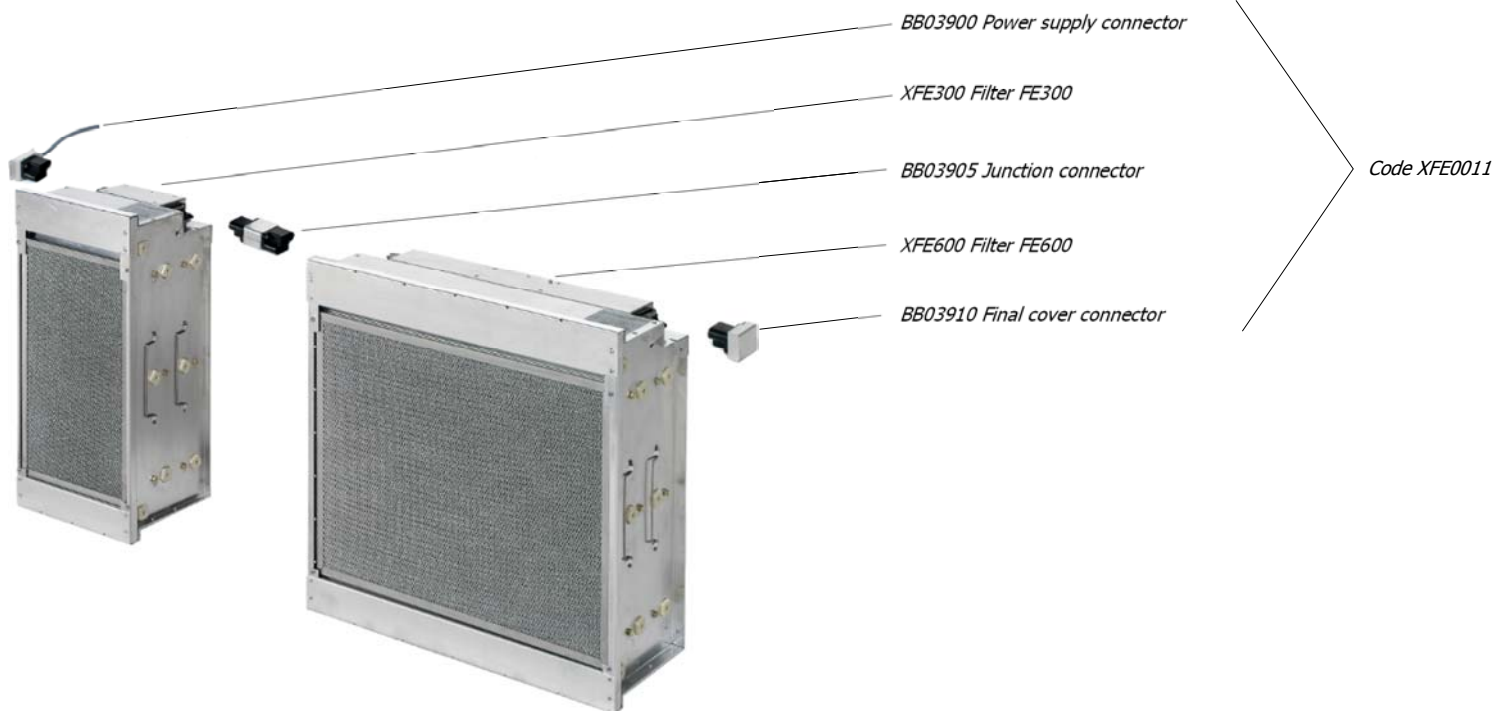


Classification according to UNI11254



* We refer to Class H as comparative example

Example of application



Matching examples of filters and connectors

Code	Exemple	FE300	FE600	CA(1)	CT(2)	CG(3)	Air-flow rate mc/h	Pressure loss Pa	Class of filtration UNI11254	Efficiency % Particles ≥0,5µm according to ILH
XFE0010		1	-	1	1	-	650	24	A	99,60%
		-	-	-	-	-	850	42	B	99,50%
		-	-	-	-	-	1.100	60	C	98,40%
		-	-	-	-	-	1.300	87	D	97,30%
		-	-	-	-	-	1.600	149	-	93,20%
XFE0011		1	1	1	1	1	1.950	24	A	99,60%
		-	-	-	-	-	2.550	42	B	99,50%
		-	-	-	-	-	3.300	60	C	98,40%
		-	-	-	-	-	3.900	87	D	97,30%
		-	-	-	-	-	5.000	149	-	93,20%
XFE0012		1	2	1	1	2	3.250	24	A	99,60%
		-	-	-	-	-	4.250	42	B	99,50%
		-	-	-	-	-	5.500	60	C	98,40%
		-	-	-	-	-	6.500	87	D	97,30%
		-	-	-	-	-	8.400	149	-	93,20%
XFE0013		1	3	1	1	3	4.550	24	A	99,60%
		-	-	-	-	-	5.950	42	B	99,50%
		-	-	-	-	-	7.700	60	C	98,40%
		-	-	-	-	-	9.100	87	D	97,30%
		-	-	-	-	-	11.800	149	-	93,20%
XFE0001		-	1	1	1	-	1.300	24	A	99,60%
		-	-	-	-	-	1.700	42	B	99,50%
		-	-	-	-	-	2.200	60	C	98,40%
		-	-	-	-	-	2.600	87	D	97,30%
		-	-	-	-	-	3.400	149	-	93,20%
XFE0002		-	2	1	1	1	2.600	24	A	99,60%
		-	-	-	-	-	3.400	42	B	99,50%
		-	-	-	-	-	4.400	60	C	98,40%
		-	-	-	-	-	5.200	87	D	97,30%
		-	-	-	-	-	6.800	149	-	93,20%
XFE0003		-	3	1	1	2	3.900	24	A	99,60%
		-	-	-	-	-	5.100	42	B	99,50%
		-	-	-	-	-	6.600	60	C	98,40%
		-	-	-	-	-	7.800	87	D	97,30%
		-	-	-	-	-	10.200	149	-	93,20%
XFE0004		-	4	1	1	3	5.200	24	A	99,60%
		-	-	-	-	-	6.800	42	B	99,50%
		-	-	-	-	-	8.800	60	C	98,40%
		-	-	-	-	-	10.400	87	D	97,30%
		-	-	-	-	-	13.600	149	-	93,20%

(1) Power supply connector (2) Final cover connector (3) Junction connector

Accessories

Code	Description
BB03900	Power supply
BB03905	Junction connector
BB03910	Final cover conn
BB03901	Alarm resin relais
BB03920	Derivation box for 1 group of filters
BB03925	Derivation box for 1-3 groups of filters
BB03915	Micro-shalter for filtration unit access door