

PF/PFA EMC SERIES

EMC FILTERFANS 4.0™ / EXHAUST FILTERS

Protect your sensitive electronics from electromagnetic interference when cooling with Filterfans®. The use of a Filterfan® for thermal management requires an opening to be cut into the cabinet. These openings can allow electromagnetic radiation to pass in or out unhindered. **Pfannenberg's EMC Filterfans® offer the widest range of protection against electromagnetic interference.** We offer several combinations of EMC Filterfans® and exhaust filters for air flow rates from 17 to 560 CFM2. To better protect the environment, our EMC Filterfans® and exhaust filters do not use metalized plastics, because these are difficult to recycle.



EMC – Electromagnetic Compatibility

In standards, electromagnetic compatibility, or 'EMC' for short, is defined as the ability of a component, device or system to function satisfactorily under the influence of electromagnetic fields in its surroundings, without influencing its surroundings, to which other electrical equipment also belongs, in an impermissible way. We guarantee that our EMC shielded Filterfans® provide protection against electromagnetic interference by ensuring continuity between the shielding part of the fan and the metal structure of the cabinet based on the attenuation characteristics below:

Attenuation at 30 MHz approx. 71 dB

Attenuation at 400 MHz approx. 57 dB

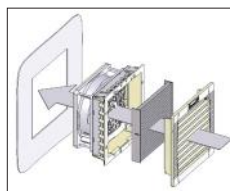
Measured in accordance with EN 50 147-1 (1996): absorber rooms, part 1, measurement of screening attenuation.

Type	Part Number	Replacement Filter Mat	Air flow rate ¹	Rated voltage	Cut-out dimensions (HxW) ³ inches (mm)	Approvals				
			CFM2 (Type 12 / IP 55)			UL	cUL	GOST	CE	
PF Series EMC Filterfans 4.0™										
PF 11000 EMC	11811151055 115 V, LT. Grey	18611600029	Same as PF series	Same as PF series	3.66 x 3.66 (93 x 93)	●	●	●	●	
PF 22000 EMC	11822153055 115 V, LT. Grey	18611600034			4.96 x 4.96 (126 x 126)	●	●	●	●	
PF 32000 EMC	11832153055 115 V, LT. Grey	18611600035			7.01 x 7.01 (178 x 178)	●	●	●	●	
PF 42500 EMC	11842153055 115 V, LT. Grey	18611600036			8.82 x 8.82 (224 x 224)	●	●	●	●	
PF 43000 EMC	11843153055 115 V, LT. Grey	18611600036			8.82 x 8.82 (224 x 224)	●	●	●	●	
PF 65000 EMC	11865153055 115 V, LT. Grey	18611600037			11.50 x 11.50 (292 x 292)	●	●	●	●	
PF 66000 EMC	11866153055 115 V, LT. Grey	18611600037			11.50 x 11.50 (292 x 292)	●	●	●	●	
PF 67000 EMC	11867153055 115 V, LT. Grey	18611600037			11.50 x 11.50 (292 x 292)	●	●	●	●	
PFA Series EMC Exhaust Filters										
PFA 10000 EMC	11710001055 (Lt. Grey)	18611600029	N/A	N/A	3.66 x 3.66 (93 x 93)	●	●	●	●	
PFA 20000 EMC	11720004055 (Lt. Grey)	18611600034			4.96 x 4.96 (126 x 126)	●	●	●	●	
PFA 30000 EMC	11730004055 (Lt. Grey)	18611600035			7.01 x 7.01 (178 x 178)	●	●	●	●	
PFA 40000 EMC	11740004055 (Lt. Grey)	18611600036			8.82 x 8.82 (224 x 224)	●	●	●	●	
PFA 60000 EMC	11760004055 (Lt. Grey)	18611600037			11.50 x 11.50 (292 x 292)	●	●	●	●	



Superior metal shielding
Unequaled worldwide: contact surfaces without beryllium-copper seal!

Contact springs



No elaborate reworking of the cut-out

- No adhering of copper tape or similar aids
- No time-consuming scratching off of coatings in order to ensure a good contact
- Contact is made via the cut edge of the cut-out for the Filterfans® or exhaust filter