

EMI + Standard Filter Fan FF 018 Series

The newly developed filter fan design serves three functions:

- Easy mounting for axial fan
- High air flow
- High EMI screening: numerous integrally molded contact springs hinder electromagnetic interference fields originating from within the cabinet or penetrating from outside.

The self-adhesive seal of the mounting frame prevents dust and water from entering the cabinet.

A spring contact strip on the EMI version additionally forms a continuous conductive connection between the cabinet cut-out and the mounting frame.

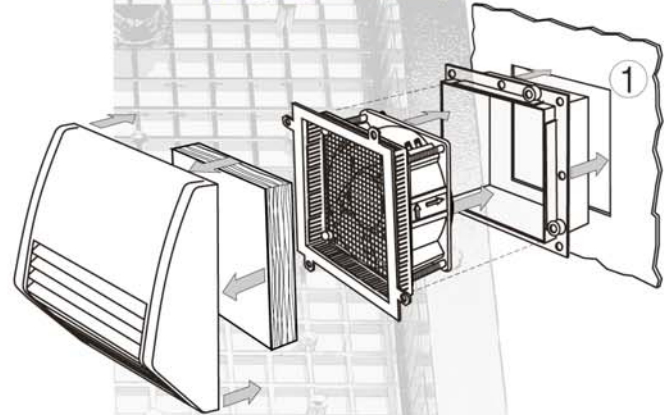
The necessary cut-out in the cabinet is effectively sealed against high frequency radiation directly on the line of the cabinet wall.

The functional design of the intake and exhaust fan hoods very effectively prevents direct infiltration of falling water and dust.

Air channeling makes the filter fan particularly quiet in operation.



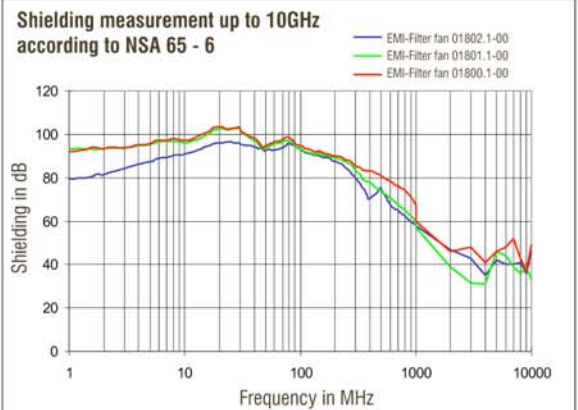
- Very low noise
- Minimal depth in enclosure
- Functional design
- Time-saving installation
- High level shielding



Time-saving assembly and maintenance

STEGO's new filter fan is easily connected and installed **from outside** the cabinet.

- ① When using the EMI version, only the *cut edge* of the cabinet opening must be paint-free.
The advantage: quick and reliable removal of the paint layer and no damage to the cabinet sides.
- ② Remove protective film from the sealing strips on the mounting frame and press into the cabinet opening.
The frame stays permanently in the cabinet.
- ③ Electrically connect the axial fan using the clip connectors and push the unit into the mounting frame.
Affix using screws.
- ④ Insert the filter mat in the hood. Clip hood on. Finished.



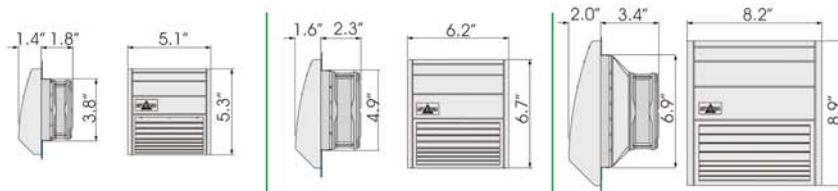
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FILTER FAN FF 018 Series



Part No.	Standard		EMI Version		Standard		EMI Version	
	(for 230V 50Hz)		01800.0-00		01801.0-00		01802.0-00	
Part No.	(for 120V 60Hz)		01800.0-01		01801.0-01		01802.0-01	
Filter mat:	Medium grade 350 g/m ² , filtering degree 83%, Particle < 10 μm, EU3 (DIN 24185)							
Air volume	12 cfm (21 m ³ /h)		39 cfm (55 m ³ /h)		60 cfm (102 m ³ /h)			
_free blowing:	9 cfm (16 m ³ /h)		24 cfm (42 m ³ /h)		40 cfm (68 m ³ /h)			
_with exit filter:								
Current consumption	230V	80 mA	100 mA	100 mA	100 mA	100 mA	100 mA	100 mA
	120V	160 mA	180 mA	180 mA	180 mA	180 mA	180 mA	180 mA
Power consumption	230V	13W	15W	15W	15W	15W	15W	15W
	120V	13W	15W	15W	15W	15W	15W	15W
Average noise level at 3 ft	31 dB (A)		40 dB (A)		39 dB (A)			
DIN EN ISO 9614-2	1.8" (45 mm)		2.3" (58 mm)		3.4" (86 mm)			
Mounting depth	3.8" x 3.8" (97 x 97mm +0.4)		4.9" x 4.9" (125 x 125mm +0.4)		6.9" x 6.9" (176 x 176mm +0.4)			
Enclosure cut-out	1.2 lbs (0.54 kg)		2.2 lbs (1.0 kg)		4.2 lbs (1.9 kg)			
Weight								

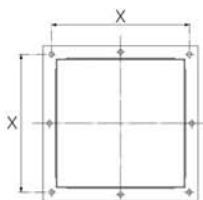
120V / 60Hz models have increased air volume performance of approx. 15%

EXHAUST FILTER EF 118 Series

Part No.	Standard		EMI Version		Standard		EMI Version	
	11800.0-00		11801.0-00		11802.0-00		11802.1-00	
Filter mat:	Medium grade 350 g/m ² , filtering degree 83%, Particle Ø to 10 μm, EU3 (DIN 24185)							
Mounting depth	0.6" (16 mm)		0.6" (16 mm)		0.6" (16 mm)			
Enclosure cut-out	3.8" x 3.8" (97 x 97mm +0.4)		4.9" x 4.9" (125 x 125mm +0.4)		6.9" x 6.9" (176 x 176mm +0.4)			
Weight	0.6 lbs (0.27 kg)		0.8 lbs (0.38 kg)		1.3 lbs (0.60 kg)			

Mounting frame

Hole centers for attaching with screws - hole Ø 1/8" (3mm)



X = 4.3" (109 mm)

X = 5.4" (137 mm)

X = 7.4" (188 mm)

OTHER TECHNICAL DATA:

Axial fan: Ball bearing, aluminum frame, plastic impeller UL94V-0
Operational life min. 50,000 hrs at 77°F (RH 65%)
Ambient temperature -22°F to 158°F
2 lead wires 4" long with pressure clamps, type AWG14 max.
DC Axial fan in 12V, 24V, 48V available on request

Filter material: Synthetic fiber with progressive construction, temperature resistant to 212°F, self-extinguishing class F1.
Moisture resistant to 100% RH.
Can be cleaned by washing or vacuuming for reuse.
Replacement filter mats available on request.

Filter fan & exhaust filter housing: Plastic, UL94V-0
Color light grey, temperature resistant -31°F to 158°F

The fan mounting on the EMI Version is plated and the mounting frame is fitted with Be Cu contact strips.
Protection with standard filter mats EU3: IP 43.
Using fine filter mats EU5 increases the protection to IP 55 but reduces the air volume.

Mounting frame: With double sided industrial adhesive band for affixing to the outside of enclosure. Certain operating circumstances may make the additional use of screws necessary.

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