

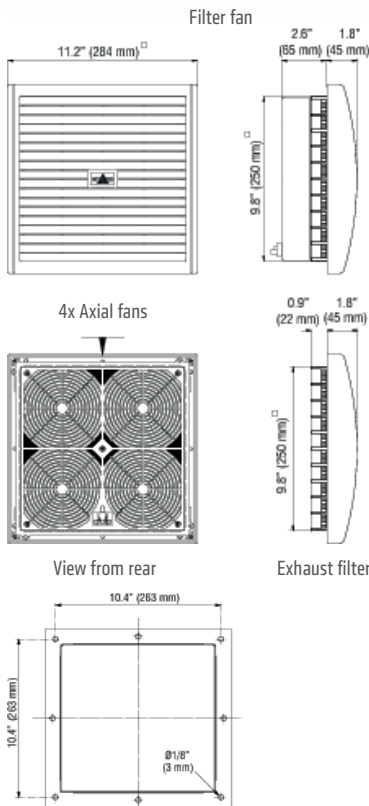
FILTER FAN

FF 018 | 202 CFM



- > Minimal mounting depth
- > High air volume
- > Functional design
- > Time-saving installation
- > UV resistant plastic

Filter fans are used to provide an optimum climate in enclosures. The interior temperature of an enclosure can be reduced by channeling cooler filtered outside air into the enclosure thus expelling heated internal air. The resulting air flow prevents formation of localized heat pockets and protects the electronic components from overheating. **Four integrated axial fans** provide a particularly high and uniform air circulation which contributes to higher reliability. The plastic used for the hood of this filter fan series is UV light resistant. These filter fans are intended for indoor use.



TECHNICAL DATA

Axial fan, ball bearing	service life min. 50,000 h at 77 °F (25 °C) and 65 %RH aluminum fan body, plastic rotor
Connection	3-pole clamp, AWG 14 (2.5 mm ²), clamping torque 0.8 Nm max.
Housing (filter fan and exhaust filter)	plastic, UL 94V-0, light grey
Hood (filter fan and exhaust filter)	plastic, UL 94V-0, light grey; UV light resistant according to UL 746C (f1)
Mounting frame	with double-sided industrial adhesive for mounting to the outside of enclosure; certain operating circumstances may make the additional use of screws necessary; cut-out template included
Filter media rating	G4 acc. to DIN EN 779, filtering degree 94%
Filter material	synthetic fiber with progressive construction, temperature resistant to 212 °F, self-extinguishing class F1; moisture resistant to 100 %RH, reusable - can be cleaned by washing or vacuuming
Operating / Storage temperature	+14 to +158 °F (-10 to +70 °C) / -40 to +158 °F (-40 to +70 °C)
Operating / Storage humidity	max. 90 %RH (non-condensing)
Protection class / Protection type	I (grounded) / IP55 (according to VDE), UL Type 12
Approvals	UL File No. E234324 (all), GOST TR (all), VDE (AC 230 V only)

Drilling template for mounting frame

Part No.	Operating voltage	Air volume, free blowing	Air volume with exhaust filter	Current consumption	Power consumption	Average noise level (DIN EN ISO 4871)	Mounting depth	Enclosure cut-out	Weight (approx.)
01803.0-00	AC 230 V, 50 Hz ¹	177 cfm (300 m ³ /h)	135 cfm (230 m ³ /h)	400 mA	68 W	56 dB (A)	2.6" (65 mm)	9.8 x 9.8"	7.3 lbs. (3.3 kg)
01803.0-01	AC 120 V, 60 Hz	202 cfm (345 m ³ /h)	156 cfm (265 m ³ /h)	800 mA	68 W	56 dB (A)	2.6" (65 mm)	9.8 x 9.8"	7.3 lbs. (3.3 kg)

EXHAUST FILTER EF 118

Part No.	Mounting depth	Enclosure cut-out	Weight (approx.)	Filter mat	Protection type
11803.0-00	0.9" (22 mm)	9.8 x 9.8"	2.2 lbs. (1.0 kg)	G4 acc. to DIN EN 779, filtering degree 94%	IP55 ²

FILTER MATS FM 086

Filter mat	9.7 x 9.7" (247 x 247 mm)
G4 (1 packing unit = 3 pcs.)	Part No. 08608.0-00
F5 (1 packing unit = 3 pcs.)	Part No. 08609.0-00

¹ air volume increases by 15% when operating AC 230 V filter fans at 60 Hz, ² according to VDE