

FILTER FAN PLUS - SIZE 1 (92 X 92 MM)

FPI 018 | 01870.2-30



Filter fan FPI size 1 (92 x 92 mm) for air conditioning enclosures and casings. Configuration: FPI - airflow direction "in" (standard version: blowing). Optimum air conditioning of your enclosure: The Filter Fan Plus blows cooler outside air into the enclosure. The warmer air inside the enclosure is discharged via the exit filter. The resulting air flow cools the enclosure and protects the components from overheating.

- Only one filter mat required (on the filter fan)
- Easy installation thanks to mounting frame with twist locks
- Effective air circulation
- Accessories: Hose-proof hood to increase the protection type to IP56



OVERVIEW TECHNICAL DATA

Device type	Filter fan Plus (DC)
Protection class	II
Protection type	IP54
Material hood	Plastic to UL94 V-0, light gray
Filter material	Plastic fibre with progressive structure
Filter mat	G3
Casing	Plastic to UL94 V-0, light gray
AC/DC	DC
Operating voltage	24 V
Power consumption	2.7 W
Axial fan	Fan body aluminium, rotor metal
Cooling airflow rate outlet filter	9.4 cfm
Cooling airflow rate blowing	12.9 cfm
Average emission sound pressure level	49 dB(A)
Service life	>70000 h
Operating temperature	-4 °F - 158 °F
Operating humidity	≤90 % rF
Storage humidity	≤90 % rF
Storage temperature	-40 °F - 158 °F
Connection	2 stranded wires, 300 mm
Mounting frame	With 4 built-in rotary latches for locking
Height	4.7 in
Width	4.7 in
Depth	3.2 in
Installation depth	2.3 in

Weight	10.6 oz
Mounting cut-out	92 x 92 in
Item number accessories 1	08633.0-00
Item number accessories 2	11870.0-00
Item number accessories 3	08670.0-00
Accessory 1	Replacement filter mat FM 086
Accessory 2	FPI 118 exit filter with air-flap outlet technology
Accessory 3	Water jet protection hood FFH 086
Note	Drilling pattern for screw fixing marked on mounting frame.
Protection type UL	NEMA Type 12

EXIT FILTER - SIZE 1 (92 X 92 MM)

Article number	Filter mat	Height	Width	Depth	Installation depth	Weight
11870.0-00	ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 %	4.7 in	4.7 in	2 in	0.9 in	7.1 oz

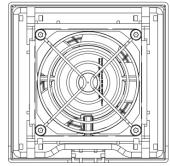
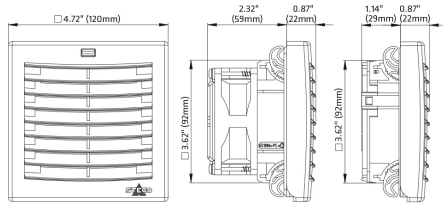
FILTER MAT BAG

Article number	packaging_size	Filter mat	Mounting cut-out
08633.0-00	5 Stück	ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 %	84x84 in

HOSE-PROOF HOOD

Article number	material_sealing	cutout_dimension	Height	Width	Depth	Weight
08670.0-00	Silicone, food safe	FPI/FPO 018 92 x 92 in	8.4 in	7.7 in	1.9 in	28.2 oz

TECHNICAL DRAWINGS



Enclosure cut-out