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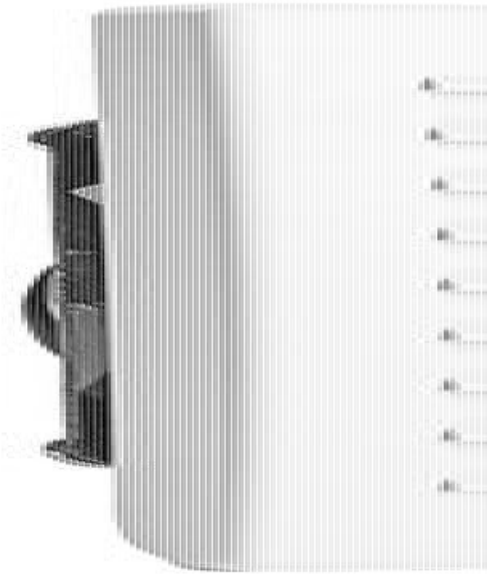
FILTER FAN PLUS - AIRFLOW OUT

FPO

01880.0-00
FPO 018 Fan, 92 x 92 mm, 24m³/h, 230V ac, Air-flap



- New air-flap outlet technology for high airflow
- Single filter mat system
- Easy mounting
- IP54

PRODUCT DESCRIPTION

Filter fans are used to provide "cooling" by forced air-circulation in enclosures and cabinets containing electrical/electronic and other components. The interior temperature of an enclosure can be reduced by drawing cooler, filtered outside air into the enclosure and expelling hot inside air. The resulting airflow prevents formation of localised hot pockets and protects electronic components from overheating.

The Filter Fan Plus series uses a new air-flap technology on the air outlet side, thereby reaching an unparalleled high degree of airflow. A unique ratchet mechanism is used for easy installation. It provides safe and secure mounting while guaranteeing a tight seal.

Depending on the requirements there are two optional systems available – the FPI or the FPO system (FPI = "in", FPO = "out").

The FPO system consists of an intake filter and exhaust filter fan with air flaps. The Filter Fan Plus series has been designed for indoor use. For added outdoor applications a protective hood is available.

TECHNICAL DATA

GENERAL DATA

Air capacity	24 m³/h
Air volume free blowing	24 m³/h
Air volume free blowing with G3 filter	15 m³/h
Number of fans	1
Sound level	38 dB

DIMENSIONS

Width	120 mm
Height	120 mm
Depth	94 mm
Behind panel depth	72 mm
Hole size	92x92 mm
Weight	0.6 kg

MATERIALS

Colour	Grey RAL 7035
Material plastic housing	Plastic
Flammability class	UL94-V0
Materials fan	Steel
Material of rotor	Aluminium

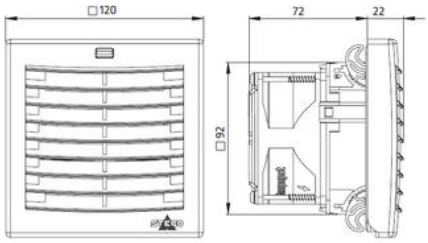
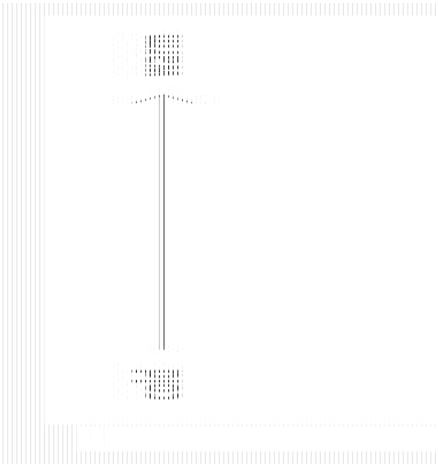
RATED OPERATING CONDITIONS

Voltage max	230 V ac
Voltage min	230 V ac
Frequency	50/60 Hz
Power consumption	12 W
Life span	50000 h
Storage temperature	-40°C ... +70°C
Operational temperature	-40°C ... +70°C
Operating humidity	< 90% RH
Humidity storage	<90% RH

SAFETY AND APPROVALS

IP class	IP54

Approvals	CE, cULus, EAC, NEMA, RoHS, UL, UL E234324, UV - UL746C (f1), VDE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