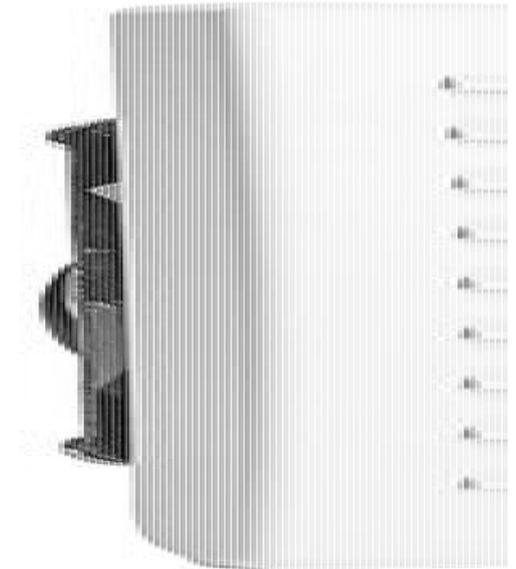# FILTER FAN PLUS - AIRFLOW IN

FPI

STEGO

01870.0-30
FPI 018 Fan, 92 x 92 mm, 19m³/h, 230V ac , G3 Mat

- New air flap outlet technology
- Single filter mat system design
- 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 FPI system is the more commonly known installation system, where a filter fan located in the lower part of the enclosure draws cleaner, cooler air into the enclosure (airflow direction "In"). This system consists of a filter fan and exhaust filter with air flaps.

On opposite, with the newer FPO system, the filter fan will be located in the upper area of the enclosure to draw warmer air out of the enclosure (airflow direction "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

SPECIFICATIONS

Air Capacity	19 m³/h
Air Volume Free Blowing	19 m³/h
Air Volume Free Blowing With G3 Filter	13 m³/h
Approvals	CE, cULus, EAC, NEMA, RoHS, UL, UL E234324, UV - UL746C (f1), VDE
Color	Grey RAL 7035
Depth	88 mm
Filtering degree	84 %
Flamklass	UL94-V0
Frequenze	50/60 Hz
Height	120 mm
Humidity Storage	<90% RH
IP Class	IP54
Life span	50000 h
Material fan	Aluminium
Material of rotor	Steel
Material Plastic Housing	Plastic
Number of fans	1
Operating Humidity	< 90% RH
Operational Temperature	-40°C ... +70°C
Power Consumption	12 W
Punching	92x92 mm
Sound level	39 dB
Storage temperature	-40°C ... +70°C
Structural Depth	66 mm
Weight	0.6 kg
Width	120 mm
Voltage max	230 V ac
Voltage min	230 V ac

□120

66

22

□92