

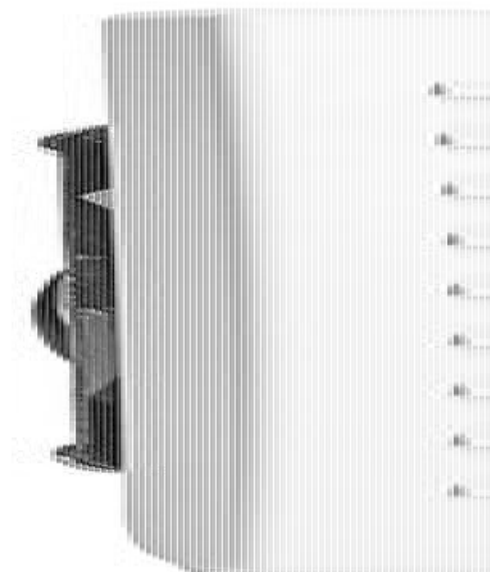


## **FILTER FAN PLUS - AIRFLOW IN FPI**

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

<b>Air Capacity</b>	19 m³/h
<b>Air Volume Free Blowing</b>	19 m³/h
<b>Air Volume Free Blowing With G3 Filter</b>	13 m³/h
<b>Approvals</b>	CE, cULus, EAC, NEMA, RoHS, UL, UL E234324, UV - UL746C (f1), VDE
<b>Color</b>	Grey RAL 7035
<b>Depth</b>	88 mm
<b>Filtering degree</b>	84 %
<b>Flamklass</b>	UL94-V0
<b>Frequenze</b>	50/60 Hz
<b>Height</b>	120 mm
<b>Humidity Storage</b>	<90% RH
<b>IP Class</b>	IP54
<b>Life span</b>	50000 h
<b>Material fan</b>	Aluminium
<b>Material of rotor</b>	Steel
<b>Material Plastic Housing</b>	Plastic
<b>Number of fans</b>	1
<b>Operating Humidity</b>	< 90% RH
<b>Operational Temperature</b>	-40°C ... +70°C
<b>Power Consumption</b>	12 W
<b>Punching</b>	92x92 mm
<b>Sound level</b>	39 dB
<b>Storage temperature</b>	-40°C ... +70°C
<b>Structural Depth</b>	66 mm
<b>Weight</b>	0,6 kg
<b>Width</b>	120 mm
<b>Voltage max</b>	230 V ac
<b>Voltage min</b>	230 V ac

