

# FILTER FAN FOR LARGER ENCLOSURES

**NEW**

FF018 Large Series Starts at \$232



- Very Low Noise
- Minimal Depth in Enclosure
- Functional Design
- Time-Saving Installation

In addition to the easy mounting axial fan, the self-adhesive seal of the mounting frame prevents dust and water from entering the cabinet. The functional design of the intake and exhaust fan hoods very effectively prevents direct infiltration of falling water and dust. The design also provides air channeling which makes the filter fan particularly quiet in operation.

## SPECIFICATIONS

### Air Flow Free Blowing:

FF01801803001: 300 m<sup>3</sup>/h (176 cfm)  
FF01801805001: 550 m<sup>3</sup>/h (323 cfm)

### Air Flow with Exhaust Filter:

FF01801803001: 230 m<sup>3</sup>/h (135 cfm)  
FF01801805001: 300 m<sup>3</sup>/h (176 cfm)

### Current Consumption 120V:

FF01801803001: 700 mA  
FF01801805001: 780 mA

### Power Consumption 120V:

FF01801803001: 60 W  
FF01801805001: 85 W

### Average Noise Level at 1 m (3') (DIN EN ISO 9614-2):

FF01801803001: 53 db (A)  
FF01801805001: 65 db (A)

### Mounting Depth:

FF01801803001: 65 mm (2.6")  
FF01801805001: 107 mm (4.2")

### Enclosure Cut-Out: 176 x 176 mm ±0.4 (6.9 x 6.9")

### Weight:

FF01801803001: 3.3 kg (7.3 lb)  
FF01801805001: 2.7 kg (5.9 lb)

**Axial Fan:** Ball bearing, aluminum frame, plastic impeller UL94V-0, operational life min 50,000 hrs at 25°C (77°F) (RH 65%); operating temperature -45 to 70°C (-49 to 158°F) 2 lead wires 102 mm (4") long with pressure clamps, type AWG 14 max



FF01803001, \$282, shown smaller than actual size.

### Filter Fan and Exhaust Filter Housing:

Plastic, UL94V-0, color light gray, UV resistant (rated F1), storage temperature -45 to 70°C (-49 to 158°F)

**Mounting Frame:** With double sided industrial adhesive band for affixing to the outside of enclosure; certain operating circumstances may make the additional use of screws necessary

**Filter Material:** Synthetic fiber with progressive construction, temperature resistant to 100°C (212°F), self-extinguishing class F1; moisture resistant to 100% RH. Can be cleaned by washing or vacuuming for reuse.

**Protection:** Standard filter mats G4, NEMA 3S (IP54); using fine filter mats F5 increases the protection to IP55 but reduces the air volume

### EXHAUST FILTER SPECIFICATIONS

**Filter Mat:** Medium Grade 350 g/m<sup>2</sup>, filtering degree 94% for particle Ø < 10 µm, G4 (EN 779)

**Mounting Depth:** 22 mm (0.9")

**Enclosure Cut-Out:** 250 x 250 mm ±0.4 (9.8 x 9.8")

**Weight:** 0.95 kg (2.1 lb)

### Dimensions:

FF01801803001: 300 m<sup>3</sup>/h (176 cfm)  
FF01801805001: 550 m<sup>3</sup>/h (323 cfm)

# omega.co.uk®

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

[www.omega.co.uk](http://www.omega.co.uk)



#### UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA  
Stamford, CT.

#### UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England  
0800-488-488  
+44-(0)161-777-6611

#### CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)  
1-800-TC-OMEGA

#### FRANCE

[www.omega.fr](http://www.omega.fr)

0800-466-342

#### GERMANY

[www.omega.de](http://www.omega.de)

Deckenfronn, Germany  
0800-8266342

#### BENELUX

[www.omega.nl](http://www.omega.nl)

0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

### • pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

### • Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

### • Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

### • Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters