

FILTER FAN PLUS FPI/FPO 018 | up to 18.8 cfm (3.6 x 3.6")



> New air-flap outlet technology for high airflow

- > Easy mounting
- Protection type/Environmental ratings by independent testing agencies (VDE & UL)
- > Two optional systems for optimal airflow (FPI/FPO)
- > Industry-common enclosure cut-out sizes (5 sizes)
- > Single filter mat system design

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

The Filter Fan Plus series encompasses 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. 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. The Filter Fan Plus series may also be used outdoors with appropriate protective measures or when equipped with weather proof accessories,

e.g. Hose-proof Hood FFH 086.

TECHNICAL DATA

| Axial fan, ball bearing | service life L10 at +104 °F (+40 °C): min. 50,000 h fan body aluminum, metal impeller |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connection | 2 stranded wires, 11.8" (300 mm) long |
| Housing, hood, flaps | plastic UL 94V-0, light grey; UV light resistant according to UL 746C (f1) |
| Enclosure cut-out | 3.6 x 3.6 ^{+0.04} inches (92 x 92 ⁺¹ mm) |
| Mounting frame | 4 built-in ratchet push levers for mounting (6 ratchet stops to accommodate for wall thicknesses Gauge 9 to 19 or 1-4 mm). Additional screw mounting possible if needed ¹ . |
| Filter mat | ISO coarse 55% acc. to ISO 16890 (G3), init. grav. arrestance 57% |
| Filter material | synthetic mesh with progressive construction, temperature resistant to +212 °F (+100 °C), self-extinguishing class F1, moisture resistant to 100 % RH, reusable |
| Operating/Storage temperature | -40 to +158 °F (-40 to +70 °C) |
| Operating/Storage humidity | max. 90 % RH (non-condensing) |
| Protection type/Protection class | IP54 / I (grounded) |
| Environmental rating UL/NEMA | UL TYPE 12 / NEMA 12 |
| Approvals | UL File No. E234324, VDE, EAC |
| Note | other voltages on request |
| | |

¹ Drilling hole markings for screw mounting are indicated on mounting frame.

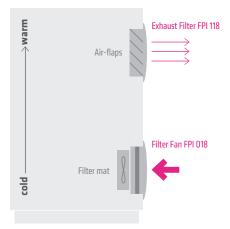
AIRFLOW DIRECTION "IN": FILTER FAN FPI 018

| Part No. | Operating voltage | Air volume, free blowing | Air volume with exhaust filter | Current consumption (50/60 Hz) | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Filter mat |
|------------|--------------------|-----------------------------|-----------------------------------|-----------------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01870.0-30 | AC 230 V, 50/60 Hz | 11.2 cfm (19 m³/h) | 7.7 cfm (13 m³/h) | 70 mA | 12 W | 39 dB (A) | 2.6" (66 mm) | 1.3 lbs. (0.6 kg) | G3 |
| 01870.9-30 | AC 115 V, 50/60 Hz | 13.5 cfm (23 m³/h) | 9.4 cfm (16 m³/h) | 115 mA | 11 W | 43 dB (A) | 2.6" (66 mm) | 1.3 lbs. (0.6 kg) | G3 |

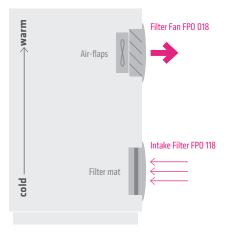
AIRFLOW DIRECTION "IN": EXHAUST FILTER FPI 118

| Part No. | Mounting depth | Weight (approx.) | Air outlet |
|------------|----------------|-------------------|----------------------------|
| 11870.0-00 | 1.1" (29 mm) | 0.4 lbs. (0.2 kg) | air-flap outlet technology |

SYSTEM FPI







AIRFLOW DIRECTION "OUT": FILTER FAN FPO 018

| Part No. | Operating voltage | Air volume, free blowing | Air volume with intake filter | Current consumption (50/60 Hz) | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Air outlet |
|------------|--------------------|-----------------------------|----------------------------------|-----------------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01880.0-00 | AC 230 V, 50/60 Hz | 14.1 cfm (24 m³/h) | 8.8 cfm (15 m³/h) | 70 mA | 12 W | 38 dB (A) | 2.8" (72 mm) | 1.3 lbs. (0.6 kg) | air-flaps |
| 01880.9-00 | AC 115 V, 50/60 Hz | 18.8 cfm (32 m³/h) | 11.2 cfm (19 m³/h) | 115 mA | 12 W | 41 dB (A) | 2.8" (72 mm) | 1.3 lbs. (0.6 kg) | air-flaps |

AIRFLOW DIRECTION "OUT": INTAKE FILTER FPO 118

| Part No. | Mounting depth | Weight (approx.) | Filter mat |
|------------|----------------|-------------------|-----------------------------------------------------------------------------|
| 11880.0-30 | 0.9" (22 mm) | 0.4 lbs. (0.2 kg) | ISO coarse 55 % acc. to ISO 16890 (G3), initial gravimetric arrestance 57 % |

FILTER MAT FM 086

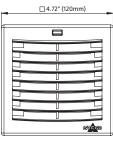
| Filter class | 3.31 x 3.31" (84 x 84 mm) | Initial gravimetric arrestance | 1 packing unit |
|---------------------------------------|---------------------------|--------------------------------|----------------|
| ISO coarse 55% acc. to ISO 16890 (G3) | Part No. 08633.0-00 | 57 % | 5 pieces |

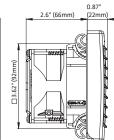
1.14" 0.87" (29mm) (22mm)

뭅

(mm29) "23.6D

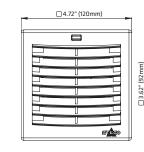
DIMENSIONED DRAWINGS

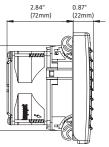




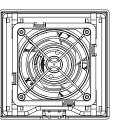
FPI 018

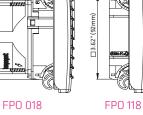






🗌 3.6" (92 mm)





0.87" 0.87"

(22mr n) (22mm)



ENCLOSURE CUT-OUT



FILTER FAN PLUS FPI/FPO 018 | up to 68.9 cfm (4.9 x 4.9")



> New air-flap outlet technology for high airflow

- > Easy mounting
- > Protection type/Environmental ratings by independent testing agencies (VDE & UL)
- > Two optional systems for optimal airflow (FPI/FPO)
- > Industry-common enclosure cut-out sizes (5 sizes)
- > Single filter mat system design

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

The Filter Fan Plus series encompasses 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. 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. The Filter Fan Plus series may also be used outdoors with appropriate protective measures or when equipped with weather proof accessories, e.g. Hose-proof Hood FFH 086.

TECHNICAL DATA

| Axial fan, ball bearing | service life L10 at +104 °F (+40 °C): min. 37,000 h fan body aluminum, metal impeller |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connection | 2 stranded wires, 11.8" (300 mm) long |
| Housing, hood, flaps | plastic UL 94V-0, light grey; UV light resistant according to UL 746C (f1) |
| Enclosure cut-out | 4.9 x 4.9 ^{+0.04} inches (124 x 124 ⁺¹ mm) |
| Mounting frame | 4 built-in ratchet push levers for mounting (6 ratchet stops to accommodate for wall thicknesses Gauge 9 to 19 or 1-4 mm). Additional screw mounting possible if needed ¹ . |
| Filter mat | ISO coarse 55% acc. to ISO 16890 (G3), init. grav. arrestance 57% |
| Filter material | synthetic mesh with progressive construction, temperature resistant to +212 °F (+100 °C), self-extinguishing class F1, moisture resistant to 100 % RH, reusable |
| Operating/Storage temperature | -40 to +158 °F (-40 to +70 °C) |
| Operating/Storage humidity | max. 90 % RH (non-condensing) |
| Protection type/Protection class | IP54 / I (grounded) |
| Environmental rating UL/NEMA | UL TYPE 12 / NEMA 12 |
| Approvals | UL File No. E234324, VDE, EAC |
| Note | other voltages on request |
| | |

¹ Drilling hole markings for screw mounting are indicated on mounting frame.

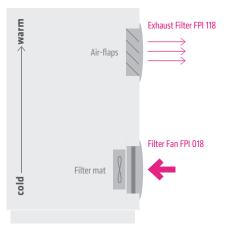
AIRFLOW DIRECTION "IN": FILTER FAN FPI 018

| Part No. | Operating voltage | Air volume, free blowing | Air volume with exhaust filter | Current consumption (50/60 Hz) | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Filter mat |
|------------|--------------------|-----------------------------|-----------------------------------|-----------------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01871.0-30 | AC 230 V, 50/60 Hz | 30.6 cfm (52 m³/h) | 24.7 cfm (42 m ³ /h) | 120 mA | 19 W | 49 dB (A) | 2.6" (66 mm) | 1.8 lbs. (0.8 kg) | G3 |
| 01871.9-30 | AC 115 V, 50/60 Hz | 36.5 cfm (62 m³/h) | 30.0 cfm (51 m³/h) | 230 mA | 18 W | 53 dB (A) | 2.6" (66 mm) | 1.8 lbs. (0.8 kg) | G3 |

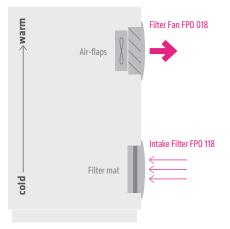
AIRFLOW DIRECTION "IN": EXHAUST FILTER FPI 118

| Part No. | Mounting depth | Weight (approx.) | Air outlet |
|------------|----------------|-------------------|----------------------------|
| 11871.0-00 | 1.4" (35 mm) | 0.7 lbs. (0.3 kg) | air-flap outlet technology |

R SYSTEM EPI







AIRFLOW DIRECTION "OUT": FILTER FAN FPO 018

| Part No. | Operating voltage | Air volume, free blowing | Air volume with intake filter | Current consumption (50/60 Hz) | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Air outlet |
|------------|--------------------|-----------------------------|----------------------------------|-----------------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01881.0-00 | AC 230 V, 50/60 Hz | 57.1 cfm (97 m³/h) | 27.7 cfm (47 m³/h) | 120 mA | 19 W | 49 dB (A) | 3.1" (79 mm) | 2.0 lbs. (0.9 kg) | air-flaps |
| 01881.9-00 | AC 115 V, 50/60 Hz | 68.9 cfm (117 m³/h) | 34.1 cfm (58 m³/h) | 230 mA | 18 W | 52 dB (A) | 3.1" (79 mm) | 2.0 lbs. (0.9 kg) | air-flaps |

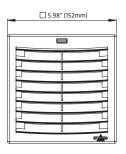
AIRFLOW DIRECTION "OUT": INTAKE FILTER FPO 118

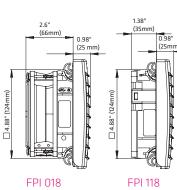
| Part No. | Mounting depth | Weight (approx.) | Filter mat |
|------------|----------------|-------------------|-----------------------------------------------------------------------------------|
| 11881.0-30 | 0.9" (22 mm) | 0.4 lbs. (0.2 kg) | ISO coarse 55 $\%$ acc. to ISO 16890 (G3), initial gravimetric arrestance 57 $\%$ |

FILTER MAT FM 086

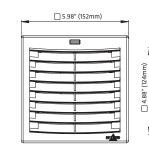
| Filter class | 4.65 x 4.65" (118 x 118 mm) | Initial gravimetric arrestance | 1 packing unit |
|---------------------------------------|-----------------------------|--------------------------------|----------------|
| ISO coarse 55% acc. to ISO 16890 (G3) | Part No. 08634.0-00 | 57 % | 5 pieces |

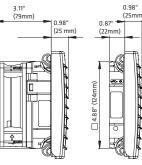
DIMENSIONED DRAWINGS



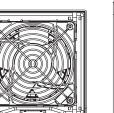








FPO 018



FPO 118

🗌 4.9" (124 mm)



28.07.2020 | Specifications are subject to change without notice. Suitability of this product for its intended use and any associated risks must





FILTER FAN PLUS FPI/FPO 018 | up to 184.2 cfm (6.9 x 6.9")



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- > Industry-common enclosure cut-out sizes (5 sizes)
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TECHNICAL DATA

| Axial fan, ball bearing | service life L10 at +104 °F (+40 °C): min. 65,000 h fan body aluminum, metal impeller | | | |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Connection | 3-pole clamp for AWG 14 (2.5 $\rm mm^2),$ clamping torque 0.8 Nm max. | | | |
| Housing, hood, flaps | plastic UL 94V-0, light grey; UV light resistant according to UL 746C (f1) | | | |
| Enclosure cut-out | 6.9 x 6.9 ^{+0.04} inches (176 x 176 ⁺¹ mm) | | | |
| Mounting frame | 4 built-in ratchet push levers for mounting (6 ratchet stops to accommodate for wall thicknesses Gauge 9 to 19 or 1-4 mm). Additional screw mounting possible if needed ¹ . | | | |
| Filter mat | ISO coarse 55% acc. to ISO 16890 (G3), init. grav. arrestance 57% | | | |
| Filter material | synthetic mesh with progressive construction, temperature resistant to +212 °F (+100 °C), self-extinguishing class F1, moisture resistant to 100 % RH, reusable | | | |
| Operating temperature | 50 Hz: -13 to +122 °F (-25 to +50 °C) 60 Hz: -13 to +158 °F (-25 to +70 °C) | | | |
| Storage temperature | -40 to +158 °F (-40 to +70 °C) | | | |
| Operating/Storage humidity | max. 90 % RH (non-condensing) | | | |
| Protection type/Protection class | IP54 / I (grounded) | | | |
| Environmental rating UL/NEMA | UL TYPE 12 / NEMA 12 | | | |
| Approvals | UL File No. E234324, VDE, EAC | | | |
| Note | other voltages on request | | | |

AIRFLOW DIRECTION "IN": FILTER FAN FPI 018

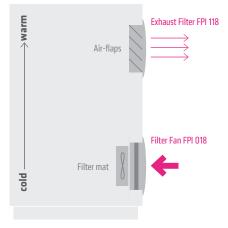
¹ Drilling hole markings for screw mounting are indicated on mounting frame.

| Part No. | Operating voltage | Air volume, free blowing | Air volume with exhaust filter | Current consumption (50/60 Hz) | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Filter mat |
|------------|--------------------|---------------------------------|-----------------------------------|-----------------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01872.0-30 | AC 230 V, 50/60 Hz | 100 cfm (170 m ³ /h) | 81.8 cfm (139 m ³ /h) | 310/250 mA | 45 W | 55 dB (A) | 4.6" (117 mm) | 3.5 lbs. (1.6 kg) | G3 |
| 01872.9-30 | AC 115 V, 50/60 Hz | 120 cfm (204 m ³ /h) | 110.1 cfm (187 m³/h) | 560/470 mA | 38 W | 58 dB (A) | 4.6" (117 mm) | 3.5 lbs. (1.6 kg) | G3 |

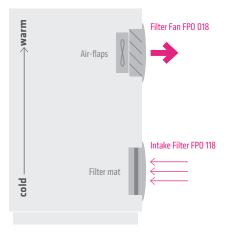
AIRFLOW DIRECTION "IN": EXHAUST FILTER FPI 118

| Part No. | Mounting depth | Weight (approx.) | Air outlet |
|------------|----------------|-------------------|----------------------------|
| 11872.0-00 | 1.7" (43 mm) | 0.9 lbs. (0.4 kg) | air-flap outlet technology |

R SYSTEM EPI







AIRFLOW DIRECTION "OUT": FILTER FAN FPO 018

| Part No. | Operating voltage | Air volume, free blowing | Air volume with intake filter | Current consumption (50/60 Hz) | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Air outlet |
|------------|--------------------|-----------------------------------|----------------------------------|-----------------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01882.0-00 | AC 230 V, 50/60 Hz | 154.8 cfm (263 m ³ /h) | 80.6 cfm (137 m ³ /h) | 310/250 mA | 45 W | 56 dB (A) | 4.6" (117 mm) | 3.5 lbs. (1.6 kg) | air-flaps |
| 01882.9-00 | AC 115 V, 50/60 Hz | 184.2 cfm (313 m³/h) | 97.7 cfm (166 m³/h) | 560/470 mA | 38 W | 60 dB (A) | 4.6" (117 mm) | 3.5 lbs. (1.6 kg) | air-flaps |

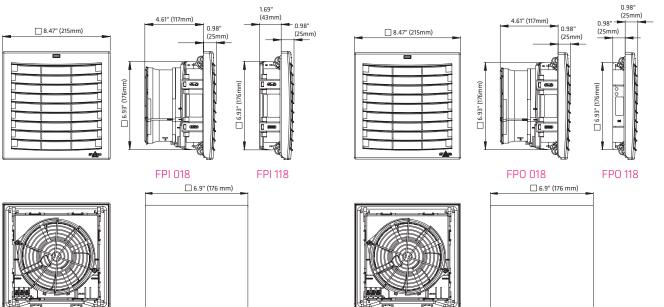
AIRFLOW DIRECTION "OUT": INTAKE FILTER FPO 118

| Part No. | Mounting depth | Weight (approx.) | Filter mat |
|------------|----------------|-------------------|-----------------------------------------------------------------------------------|
| 11882.0-30 | 1.0" (25 mm) | 0.9 lbs. (0.4 kg) | ISO coarse 55 $\%$ acc. to ISO 16890 (G3), initial gravimetric arrestance 57 $\%$ |

FILTER MAT FM 086

| Filter class | 6.61 x 6.61" (168 x 168 mm) | Initial gravimetric arrestance | 1 packing unit |
|---------------------------------------|-----------------------------|--------------------------------|----------------|
| ISO coarse 55% acc. to ISO 16890 (G3) | Part No. 08635.0-00 | 57 % | 5 pieces |

DIMENSIONED DRAWINGS



ENCLOSURE CUT-OUT



FILTER FAN PLUS FPI/FPO 018 | up to 342 cfm (8.8 x 8.8")



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TECHNICAL DATA

| Axial fan, ball bearing | service life L10 at +104 °F (+40 °C): min. 56,000 h metal impeller | | | |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Connection | 3-pole clamp for AWG 14 (2.5 $\rm mm^2),$ clamping torque 0.8 $\rm Nm$ max. | | | |
| Housing, hood, flaps | plastic UL 94V-0, light grey; UV light resistant according to UL 746C (f1) | | | |
| Enclosure cut-out | 8.8 x 8.8 ^{+0.04} inches (223 x 223 ⁺¹ mm) | | | |
| Mounting frame | 4 built-in ratchet push levers for mounting (6 ratchet stops to accommodate for wall thicknesses Gauge 9 to 19 or 1 – 4 mm). Additional screw mounting possible if needed'. | | | |
| Filter mat | ISO coarse 55% acc. to ISO 16890 (G3), init. grav. arrestance 57% | | | |
| Filter material | synthetic mesh with progressive construction, temperature resistant to +212 °F (+100 °C), self-extinguishing class F1, moisture resistant to 100 % RH, reusable | | | |
| Operating temperature | -13 to +149 °F (-25 to +65 °C) | | | |
| Storage temperature | -40 to +158 °F (-40 to +70 °C) | | | |
| Operating/Storage humidity | max. 75 % RH (non-condensing) | | | |
| Protection type/Protection class | IP54 / I (grounded) | | | |
| Environmental rating UL/NEMA | UL TYPE 12 / NEMA 12 | | | |
| Approvals | UL File No. E234324, VDE, EAC | | | |
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AIRFLOW DIRECTION "IN": FILTER FAN FPI 018

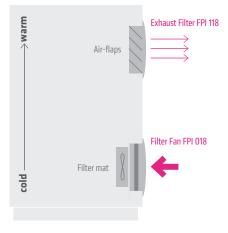
¹ Drilling hole markings for screw mounting are indicated on mounting frame.

| Part No. | Operating voltage | Air volume, free blowing | Air volume with exhaust filter | Current consumption (50/60 Hz) | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Filter mat |
|------------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01873.0-30 | AC 230 V, 50/60 Hz | 179.5 cfm (305 m ³ /h) | 159.5 cfm (271 m³/h) | 300/340 mA | 64 W | 64 dB (A) | 5.8" (147 mm) | 5.3 lbs. (2.4 kg) | G3 |
| 01873.9-30 | AC 115 V, 50/60 Hz | 195.4 cfm (332 m³/h) | 172.5 cfm (293 m³/h) | 600/700 mA | 81 W | 67 dB (A) | 5.8" (147 mm) | 5.3 lbs. (2.4 kg) | G3 |

AIRFLOW DIRECTION "IN": EXHAUST FILTER FPI 118

| Part No. | Mounting depth | Weight (approx.) | Air outlet |
|------------|----------------|-------------------|----------------------------|
| 11873.0-00 | 1.8" (46 mm) | 1.3 lbs. (0.6 kg) | air-flap outlet technology |

尾 SYSTEM FPI







AIRFLOW DIRECTION "OUT": FILTER FAN FPO 018

| Part No. | Operating voltage | Air volume, free blowing | Air volume with intake filter | Current consumption (50/60 Hz) | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Air outlet |
|------------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01883.0-00 | AC 230 V, 50/60 Hz | 315.5 cfm (536 m ³ /h) | 165.4 cfm (281 m ³ /h) | 300/340 mA | 64 W | 65 dB (A) | 3.1" (147 mm) | 5.3 lbs. (2.4 kg) | air-flaps |
| 01883.9-00 | AC 115 V, 50/60 Hz | 342.0 cfm (581 m ³ /h) | 182.5 cfm (310 m³/h) | 600/700 mA | 81 W | 68 dB (A) | 3.1" (147 mm) | 5.3 lbs. (2.4 kg) | air-flaps |

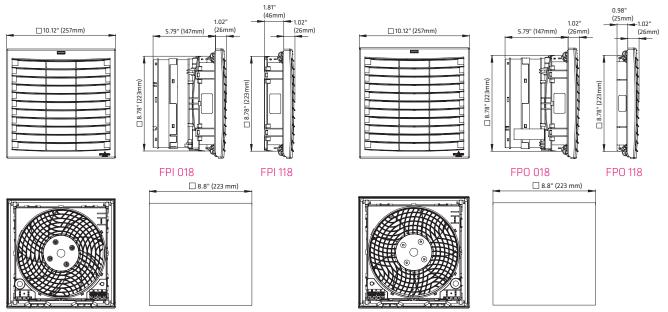
AIRFLOW DIRECTION "OUT": INTAKE FILTER FPO 118

| Part No. | Mounting depth | Weight (approx.) | Filter mat |
|------------|----------------|-------------------|-----------------------------------------------------------------------------------|
| 11883.0-30 | 1.0" (25 mm) | 1.1 lbs. (0.5 kg) | ISO coarse 55 $\%$ acc. to ISO 16890 (G3), initial gravimetric arrestance 57 $\%$ |

FILTER MAT FM 086

| Filter class | 8.46 x 8.46" (215 x 215 mm) | Initial gravimetric arrestance | 1 packing unit |
|---------------------------------------|-----------------------------|--------------------------------|----------------|
| ISO coarse 55% acc. to ISO 16890 (G3) | Part No. 08636.0-00 | 57 % | 5 pieces |

DIMENSIONED DRAWINGS



ENCLOSURE CUT-OUT



FILTER FAN PLUS FPI/FPO 018 | up to 606.8 cfm (11.5 x 11.5")



- > New air-flap outlet technology for high airflow
- > Easy mounting
- Protection type/Environmental ratings by independent testing agencies (VDE & UL)
- > Two optional systems for optimal airflow (FPI/FPO)
- > Industry-common enclosure cut-out sizes (5 sizes)
- > Single filter mat system design
- > Two fan speeds

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

The Filter Fan Plus series encompasses 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. 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. The Filter Fan Plus series may also be used outdoors with appropriate protective measures or when equipped with weather proof accessories, e.g. Hose-proof Hood FFH 086.



TECHNICAL DATA

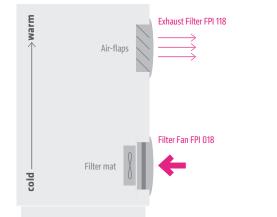
| Axial fan, ball bearing | fan speed 1: service life L10 at +104 °F (+40 °C): min. 76,000 h metal impeller fan speed 2: service life L10 at +104 °F (+40 °C): min. 54,000 h plastic impeller |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connection | 3-pole clamp for AWG 14 (2.5 mm ²), clamping torque 0.8 Nm max. |
| Housing, hood, flaps | plastic UL 94V-0, light grey; UV light resistant according to UL 746C (f1) |
| Enclosure cut-out | 11.5 x 11.5 ^{+0.04} inches (291 x 291 ⁺¹ mm) |
| Mounting frame | 4 built-in ratchet push levers for mounting (6 ratchet stops to accommodate for wall thicknesses Gauge 9 to 19 or 1 – 4 mm). Additional screw mounting possible if needed'. |
| Filter mat | ISO coarse 55% acc. to ISO 16890 (G3), init. grav. arrestance 57% |
| Filter material | synthetic mesh with progressive construction, temperature resistant to +212 °F (+100 °C), self-extinguishing class F1, moisture resistant to 100 % RH, reusable |
| Operating temperature | fan speed 1 & 2, 50 Hz: -13 to +131 °F (-25 to +55 °C) fan speed 1, 60 Hz: -13 to +95 °F (-25 to +35 °C) fan speed 2, 60 Hz: -13 to +122 °F (-25 to +50 °C) |
| Storage temperature | -40 to +158 °F (-40 to +70 °C) |
| Operating/Storage humidity | max. 75 % RH (non-condensing) |
| Protection type/Protection class | IP54 / I (grounded) |
| Environmental rating UL/NEMA | UL TYPE 12 / NEMA 12 |
| Approvals | UL File No. E234324, VDE, EAC |
| Note | other voltages on request |
| 1 Duilling halo markings for severy many ting are indicated on ma | the forme |

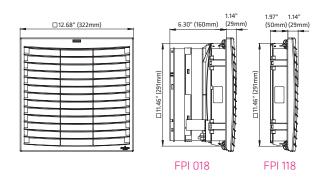






SYSTEM FPI





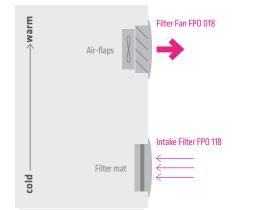
AIRFLOW DIRECTION "IN": FILTER FAN FPI 018

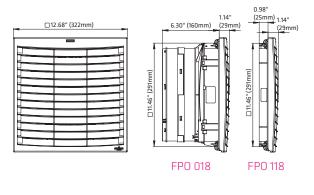
| Part No. | Operating voltage | Fan speed | Air volume, free blowing | Air volume with exhaust filter | Current consumption (50/60 Hz) | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Filter mat |
|------------|----------------------|--------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------|------------------------------------------|-------------------|---------------------|---------------|
| 01874.0-30 | AC 230 V, 50/60 Hz | 1 | 254.8 cfm (433 m ³ /h) | 219.5 cfm (373 m ³ /h) | 400/480 mA | 95 W | 62 dB (A) | 6.3" (160 mm) | 6.8 lbs. (3.1 kg) | G3 |
| 01874.0-31 | AC 230 V, 50/60 Hz | 2 | 367.3 cfm (624 m³/h) | 329.6 cfm (560 m ³ /h) | 550/700 mA | 140 W | 70 dB (A) | 6.3" (160 mm) | 7.3 lbs. (3.3 kg) | G3 |
| 01874.9-30 | AC 115 V, 50/60 Hz | 1 | 231.9 cfm (394 m³/h) | 199.5 cfm (339 m³/h) | 660/800 mA | 90 W | 61 dB (A) | 6.3" (160 mm) | 6.8 lbs. (3.1 kg) | G3 |
| 01874.9-31 | AC 115 V, 50/60 Hz | 2 | 391.4 cfm (665 m³/h) | 349 cfm (593 m³/h) | 1100/1450 mA | 165 W | 72 dB (A) | 6.3" (160 mm) | 7.3 lbs. (3.3 kg) | G3 |

AIRFLOW DIRECTION "IN": EXHAUST FILTER FPI 118

| Part No. | Mounting depth | Weight (approx.) | Air outlet |
|------------|----------------|-------------------|----------------------------|
| 11874.0-00 | 2.0" (50 mm) | 2.2 lbs. (1.0 kg) | air-flap outlet technology |

SYSTEM FPO





AIRFLOW DIRECTION "OUT": FILTER FAN FPO 018

| Part No. | Operating voltage | Fan speed | Air volume, free blowing | Air volume with intake filter | Current consumption (50/60 Hz) | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Air outlet |
|------------|----------------------|--------------|------------------------------------|----------------------------------|-----------------------------------|----------------------|------------------------------------------|-------------------|---------------------|---------------|
| 01884.0-00 | AC 230 V, 50/60 Hz | 1 | 427.9 cfm (727 m ³ /h) | 243.1 cfm (413 m³/h) | 400/480 mA | 95 W | 63 dB (A) | 6.3" (160 mm) | 7.0 lbs. (3.2 kg) | air-flaps |
| 01884.0-01 | AC 230 V, 50/60 Hz | 2 | 594.5 cfm (1010 m ³ /h) | 352.6 cfm (599 m³/h) | 550/700 mA | 140 W | 70 dB (A) | 6.3" (160 mm) | 7.0 lbs. (3.2 kg) | air-flaps |
| 01884.9-00 | AC 115 V, 50/60 Hz | 1 | 413.8 cfm (703 m ³ /h) | 230.1 cfm (391 m³/h) | 660/800 mA | 90 W | 62 dB (A) | 6.3" (160 mm) | 7.0 lbs. (3.2 kg) | air-flaps |
| 01884.9-01 | AC 115 V, 50/60 Hz | 2 | 606.8 cfm (1031 m³/h) | 358.4 cfm (609 m³/h | 1100/1450 mA | 165 W | 71 dB (A) | 6.3" (160 mm) | 7.0 lbs. (3.2 kg) | air-flaps |

AIRFLOW DIRECTION "OUT": INTAKE FILTER FPO 118

| Part No. | Mounting depth | Weight (approx.) | Filter mat |
|------------|----------------|-------------------|-----------------------------------------------------------------------------|
| 11884.0-30 | 1.0" (25 mm) | 1.8 lbs. (0.8 kg) | ISO coarse 55 % acc. to ISO 16890 (G3), initial gravimetric arrestance 57 % |

FILTER MAT FM 086

| Filter class | 11.14 x 11.14" (283 x 283 mm) | Initial gravimetric arrestance | 1 packing unit |
|---------------------------------------|-------------------------------|--------------------------------|----------------|
| ISO coarse 55% acc. to ISO 16890 (G3) | Part No. 08637.0-00 | 57 % | 5 pieces |



FILTER FAN PLUS – DC LINE FPI/FPO 018 | up to 19.4 cfm (3.6 x 3.6")



- > New air-flap outlet technology for high airflow
- > Easy mounting
- > Protection type/Environmental ratings by independent testing agencies
- > Two optional systems for optimal airflow (FPI/FPO)
- > Industry-common enclosure cut-out sizes
- > Single filter mat system design

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

The Filter Fan Plus series encompasses 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. 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. The Filter Fan Plus series may also be used outdoors with appropriate protective measures or when equipped with weather proof accessories, e.g. Hose-proof Hood FFH 086.

Т

| e.g. Hose-proof Hood FFH 086. | | | | | |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| TECHNICAL DATA | | | | | |
| Axial fan, ball bearing | service life L10 at +104 °F (+40 °C): min. 70,000 h plastic | | | | |
| Connection | 2 stranded wires, 11.8" (300 mm) long | | | | |
| Housing, hood, flaps | plastic UL 94V-O, light grey; UV light resistant according to UL 746C (f1) | | | | |
| Enclosure cut-out | 3.6 x 3.6 ^{+0.04} inches (92 x 92 ⁺¹ mm) | | | | |
| Mounting frame | 4 built-in ratchet push levers for mounting (6 ratchet stops to accommodate for wall thicknesses Gauge 9 to 19 or 1-4 mm). Additional screw mounting possible if needed ¹ . | | | | |
| Filter mat | ISO coarse 55% acc. to ISO 16890 (G3), init. grav. arrestance 57% | | | | |
| Filter material | synthetic mesh with progressive construction, temperature resistant to +212 °F (+100 °C), self-extinguishing class F1, moisture resistant to 100 % RH, reusable | | | | |
| Operating temperature | -4 to +158 °F (-20 to +70 °C) | | | | |
| Storage temperature | -40 to +158 °F (-40 to +70 °C) | | | | |
| Operating/Storage humidity | max. 90 % RH (non-condensing) | | | | |
| Protection type/Protection class | IP54 / II (double insulated) | | | | |
| Environmental rating UL/NEMA | UL TYPE 12 / NEMA 12 | | | | |
| Approvals | UL File No. E234324, VDE, EAC | | | | |
| Note | other voltages on request | | | | |
| | | | | | |

AIRFLOW DIRECTION "IN": FILTER FAN FPI 018

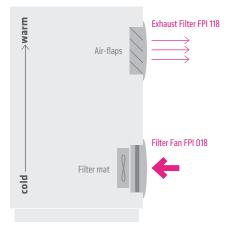
| Part No. | Operating voltage | Air volume, free blowing | Air volume with exhaust filter | Current consumption | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Filter mat |
|------------|-------------------|---------------------------------|-----------------------------------|------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01870.2-30 | DC 24 V | 12.9 cfm (22 m ³ /h) | 9.4 cfm (16 m³/h) | 113 mA | 2.7 W | 49 dB (A) | 2.3" (59 mm) | 0.7 lbs. (0.3 kg) | G3 |
| 01870.1-30 | DC 48 V | 13.5 cfm (23 m³/h) | 10 cfm (17 m³/h) | 63 mA | 3.0 W | 51 dB (A) | 2.3" (59 mm) | 0.7 lbs. (0.3 kg) | G3 |

¹ Drilling hole markings for screw mounting are indicated on mounting frame.

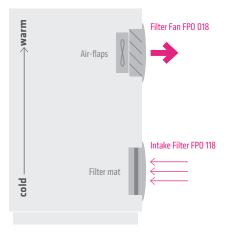
AIRFLOW DIRECTION "IN": EXHAUST FILTER FPI 118

| Part No. | Mounting depth | Weight (approx.) | Air outlet |
|------------|----------------|-------------------|----------------------------|
| 11870.0-00 | 1.1" (29 mm) | 0.4 lbs. (0.2 kg) | air-flap outlet technology |

SYSTEM FPI







AIRFLOW DIRECTION "OUT": FILTER FAN FPO 018

| Part No. | Operating voltage | Air volume, free blowing | Air volume with intake filter | Current consumption | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Air outlet |
|------------|-------------------|---------------------------------|----------------------------------|------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01880.2-00 | DC 24 V | 18.2 cfm (31 m ³ /h) | 10 cfm (17 m³/h) | 113 mA | 2.7 W | 48 dB (A) | 2.6" (66 mm) | 0.7 lbs. (0.3 kg) | air-flaps |
| 01880.1-00 | DC 48 V | 19.4 cfm (33 m³/h) | 10.6 cfm (18 m³/h) | 63 mA | 3.0 W | 49 dB (A) | 2.6" (66 mm) | 0.7 lbs. (0.3 kg) | air-flaps |

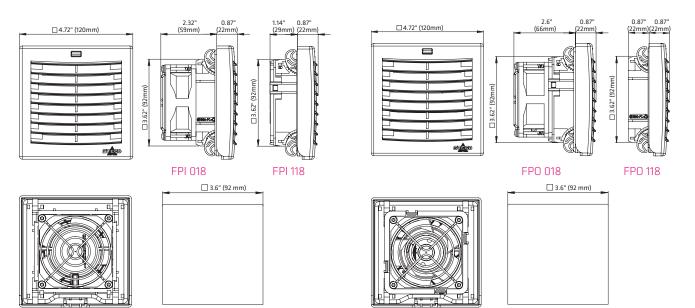
AIRFLOW DIRECTION "OUT": INTAKE FILTER FPO 118

| Part No. | Mounting depth | Weight (approx.) | Filter mat |
|------------|----------------|-------------------|-----------------------------------------------------------------------------------|
| 11880.0-30 | 0.9" (22 mm) | 0.4 lbs. (0.2 kg) | ISO coarse 55 $\%$ acc. to ISO 16890 (G3), initial gravimetric arrestance 57 $\%$ |

FILTER MAT FM 086

| Filter class | 3.31 x 3.31" (84 x 84 mm) | Initial gravimetric arrestance | 1 packing unit |
|---------------------------------------|---------------------------|--------------------------------|----------------|
| ISO coarse 55% acc. to ISO 16890 (G3) | Part No. 08633.0-00 | 57 % | 5 pieces |

DIMENSIONED DRAWINGS



product for its intended use and

ENCLOSURE CUT-OUT



FILTER FAN PLUS – DC LINE FPI/FPO 018 | up to 73.6 cfm (4.9 x 4.9")

- > New air-flap outlet technology for high airflow
- > Easy mounting
- Protection type/Environmental ratings by independent testing agencies
- > Two optional systems for optimal airflow (FPI/FPO)
- > Industry-common enclosure cut-out sizes
- > Single filter mat system design

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

The Filter Fan Plus series encompasses 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. 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. The Filter Fan Plus series may also be used outdoors with appropriate protective measures or when equipped with weather proof accessories, e.g. Hose-proof Hood FFH 086.

TECHNICAL DATA

| | · · · |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Axial fan, ball bearing | service life L10 at +104 °F (+40 °C): min. 65,000 h plastic |
| Connection | 2 stranded wires, 11.8" (300 mm) long |
| Housing, hood, flaps | plastic UL 94V-0, light grey; UV light resistant according to UL 746C (f1) |
| Enclosure cut-out | 4.9 x 4.9 ^{+0.04} inches (124 x 124 ⁺¹ mm) |
| Mounting frame | 4 built-in ratchet push levers for mounting (6 ratchet stops to accommodate for wall thicknesses Gauge 9 to 19 or 1-4 mm). Additional screw mounting possible if needed ¹ . |
| Filter mat | ISO coarse 55% acc. to ISO 16890 (G3), init. grav. arrestance 57% |
| Filter material | synthetic mesh with progressive construction, temperature resistant to +212 °F (+100 °C), self-extinguishing class F1, moisture resistant to 100 % RH, reusable |
| Operating temperature | -4 to +158 °F (-20 to +70 °C) |
| Storage temperature | -40 to +158 °F (-40 to +70 °C) |
| Operating/Storage humidity | max. 90 % RH (non-condensing) |
| Protection type/Protection class | IP54 / II (double insulated) |
| Environmental rating UL/NEMA | UL TYPE 12 / NEMA 12 |
| Approvals | UL File No. E234324, VDE, EAC |
| Note | other voltages on request |
| ¹ Drilling hole markings for screw mounting are indicated on m | iounting frame. |

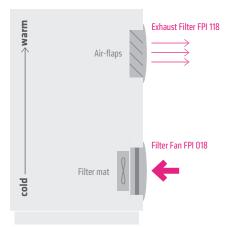
AIRFLOW DIRECTION "IN": FILTER FAN FPI 018

| Part No. | Operating voltage | Air volume, free blowing | Air volume with exhaust filter | Current consumption | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Filter mat |
|------------|-------------------|-----------------------------|-----------------------------------|------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01871.2-30 | DC 24 V | 38.8 cfm (66 m³/h) | 33 cfm (56 m³/h) | 171 mA | 4.1 W | 58 dB (A) | 2.6" (66 mm) | 1.1 lbs. (0.5 kg) | G3 |
| 01871.1-30 | DC 48 V | 39.4 cfm (67 m³/h) | 33 cfm (56 m³/h) | 88 mA | 4.2 W | 52 dB (A) | 2.6" (66 mm) | 1.1 lbs. (0.5 kg) | G3 |

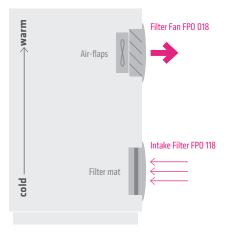
AIRFLOW DIRECTION "IN": EXHAUST FILTER FPI 118

| Part No. | Mounting depth | Weight (approx.) | Air outlet |
|------------|----------------|-------------------|----------------------------|
| 11871.0-00 | 1.4" (35 mm) | 0.7 lbs. (0.3 kg) | air-flap outlet technology |

SYSTEM FPI







AIRFLOW DIRECTION "OUT": FILTER FAN FPO 018

| Part No. | Operating voltage | Air volume, free blowing | Air volume with intake filter | Current consumption | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Air outlet |
|------------|-------------------|-----------------------------|----------------------------------|------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01881.2-00 | DC 24 V | 69.5 cfm (118 m³/h) | 37.1 cfm (63 m³/h) | 171 mA | 4.1 W | 56 dB (A) | 3.1" (79 mm) | 1.1 lbs. (0.5 kg) | air-flaps |
| 01881.1-00 | DC 48 V | 73.6 cfm (125 m³/h) | 37.1 cfm (63 m³/h) | 88 mA | 4.2 W | 50 dB (A) | 3.1" (79 mm) | 1.1 lbs. (0.5 kg) | air-flaps |

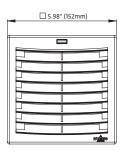
AIRFLOW DIRECTION "OUT": INTAKE FILTER FPO 118

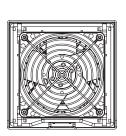
| Part No. | Mounting depth | Weight (approx.) | Filter mat |
|------------|----------------|-------------------|-----------------------------------------------------------------------------------|
| 11881.0-30 | 0.9" (22 mm) | 0.4 lbs. (0.2 kg) | ISO coarse 55 $\%$ acc. to ISO 16890 (G3), initial gravimetric arrestance 57 $\%$ |

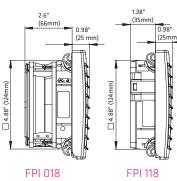
FILTER MAT FM 086

| Filter class | 4.65 x 4.65" (118 x 118 mm) | Initial gravimetric arrestance | 1 packing unit |
|---------------------------------------|-----------------------------|--------------------------------|----------------|
| ISO coarse 55% acc. to ISO 16890 (G3) | Part No. 08634.0-00 | 57 % | 5 pieces |

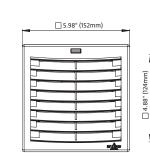
DIMENSIONED DRAWINGS

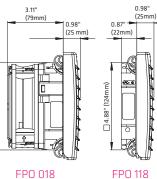




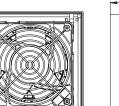


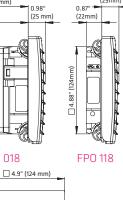












28.07.2020 | Specifications are subject to change without notice. Suitability of this product for its intended use and any associated risks





FILTER FAN PLUS - DC LINE FPI/FPO 018 | up to 163 cfm (6.9 x 6.9")



> New air-flap outlet technology for high airflow

- > Easy mounting
- > Protection type/Environmental ratings by independent testing agencies
- > Two optional systems for optimal airflow (FPI/FPO)
- > Industry-common enclosure cut-out sizes
- > Single filter mat system design

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

The Filter Fan Plus series encompasses 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. 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. The Filter Fan Plus series may also be used outdoors with appropriate protective measures or when equipped with weather proof accessories, e.g. Hose-proof Hood FFH 086.

TECHNICAL DATA

| Axial fan, ball bearing | service life L10 at +104 °F (+40 °C): min. 80,000 h fan body aluminum, plastic impeller |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connection | 3-pole clamp for AWG 14 (2.5 $\rm mm^2),$ clamping torque 0.8 Nm max. |
| Housing, hood, flaps | plastic UL 94V-0, light grey; UV light resistant according to UL 746C (f1) |
| Enclosure cut-out | 6.9 x 6.9 ^{+0.04} inches (176 x 176 ⁺¹ mm) |
| Mounting frame | 4 built-in ratchet push levers for mounting (6 ratchet stops to accommodate for wall thicknesses Gauge 9 to 19 or 1 – 4 mm). Additional screw mounting possible if needed ¹ . |
| Filter mat | ISO coarse 55% acc. to ISO 16890 (G3), init. grav. arrestance 57% |
| Filter material | synthetic mesh with progressive construction, temperature resistant to +212 °F (+100 °C), self-extinguishing class F1, moisture resistant to 100 $\%$ RH, reusable |
| Operating temperature | -13 to +158 °F (-25 to +70 °C) |
| Storage temperature | -40 to +158 °F (-40 to +70 °C) |
| | |
| Operating/Storage humidity | max. 90 % RH (non-condensing) |
| Operating/Storage humidity Protection type/Protection class | max. 90 % RH (non-condensing) IP54 / I (grounded) |
| | |
| Protection type/Protection class | IP54 / I (grounded) |

AIRFLOW DIRECTION "IN": FILTER FAN FPI 018

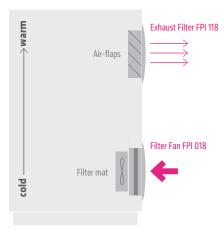
| Part No. | Operating voltage | Air volume, free blowing | Air volume with exhaust filter | Current consumption | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Filter mat |
|------------|-------------------|-----------------------------|-----------------------------------|------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01872.2-30 | DC 24 V | 104.8 cfm (178 m³/h) | 91.8 cfm (156 m³/h) | 500 mA | 12.0 W | 63 dB (A) | 4.6" (117 mm) | 3.3 lbs. (1.5 kg) | G3 |
| 01872.1-30 | DC 48 V | 100.1 cfm (170 m³/h) | 86.5 cfm (147 m³/h) | 250 mA | 12.0 W | 63 dB (A) | 4.6" (117 mm) | 3.3 lbs. (1.5 kg) | G3 |

¹ Drilling hole markings for screw mounting are indicated on mounting frame.

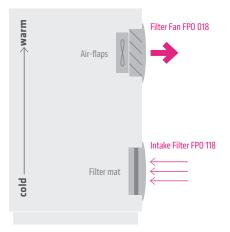
AIRFLOW DIRECTION "IN": EXHAUST FILTER FPI 118

| Part No. | Mounting depth | Weight (approx.) | Air outlet |
|------------|----------------|-------------------|----------------------------|
| 11872.0-00 | 1.7" (43 mm) | 0.9 lbs. (0.4 kg) | air-flap outlet technology |

SYSTEM EPI







AIRFLOW DIRECTION "OUT": FILTER FAN FPO 018

| Part No. | Operating voltage | Air volume, free blowing | Air volume with intake filter | Current consumption | Power consumption | Average noise level (DIN EN ISO 4871) | Mounting depth | Weight (approx.) | Air outlet |
|------------|-------------------|-----------------------------------|----------------------------------|------------------------|----------------------|------------------------------------------|----------------|---------------------|------------|
| 01882.2-00 | DC 24 V | 158.3 cfm (269 m³/h) | 83.0 cfm (141 m ³ /h) | 500 mA | 12.0 W | 63 dB (A) | 4.6" (117 mm) | 3.3 lbs. (1.5 kg) | air-flaps |
| 01882.1-00 | DC 48 V | 163.0 cfm (277 m ³ /h) | 85.9 cfm (146 m³/h) | 250 mA | 12.0 W | 63 dB (A) | 4.6" (117 mm) | 3.3 lbs. (1.5 kg) | air-flaps |

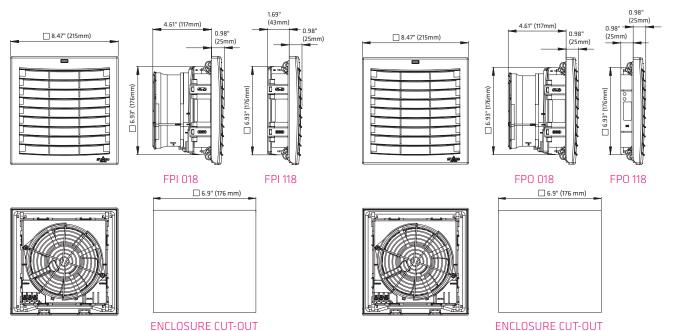
AIRFLOW DIRECTION "OUT": INTAKE FILTER FPO 118

| Part No. | Mounting depth | Weight (approx.) | Filter mat |
|------------|----------------|-------------------|-----------------------------------------------------------------------------------|
| 11882.0-30 | 1.0" (25 mm) | 0.9 lbs. (0.4 kg) | ISO coarse 55 $\%$ acc. to ISO 16890 (G3), initial gravimetric arrestance 57 $\%$ |

FILTER MAT FM 086

| Filter class | 6.61 x 6.61" (168 x 168 mm) | Initial gravimetric arrestance | 1 packing unit |
|---------------------------------------|-----------------------------|--------------------------------|----------------|
| ISO coarse 55% acc. to ISO 16890 (G3) | Part No. 08635.0-00 | 57 % | 5 pieces |

DIMENSIONED DRAWINGS



28.07.2020 | Specifications are subject to change without notice. Suitability of this product for its intended use and