Product Name：

Product Model： FPI 018 | 204x204mm

Parameters

FPI 018	
Axial fan, ball bearing	service life L10 at +40°C (+104°F): min. 65,000h fan body aluminium, rotor metal
Connection	3-pole clamp for 2.5mm², clamping torque 0.8Nm max.
Casing, hood, flaps	plastic according to UL94 V-0, light grey; UV light resistant according to UL746C (f1)
Enclosure cut-out	176 x 176 +1 mm
Mounting frame	4 built-in ratchet braces for mounting (6 notches for wall thickness 1-4mm). Additional use of screws possible if needed [1] .
Filter mat	G4 acc. to DIN EN 779, filtering degree 94%
Filter material	synthetic fibre with progressive construction, temperature resistant to +100°C, self-extinguishing class F1, moisture resistant to 100% RH, reusable
Operating temperature	50 Hz: -25 to +50°C (-13 to +122°F) 60 Hz: -25 to +70°C (-13 to +158°F)
Storage temperature	-40 to +70°C (-40 to +158°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type/Protection class	IP54 / I (earthed)
Note	other voltages on request

[1] Drilling marks for screw mounting are indicated on mounting frame.

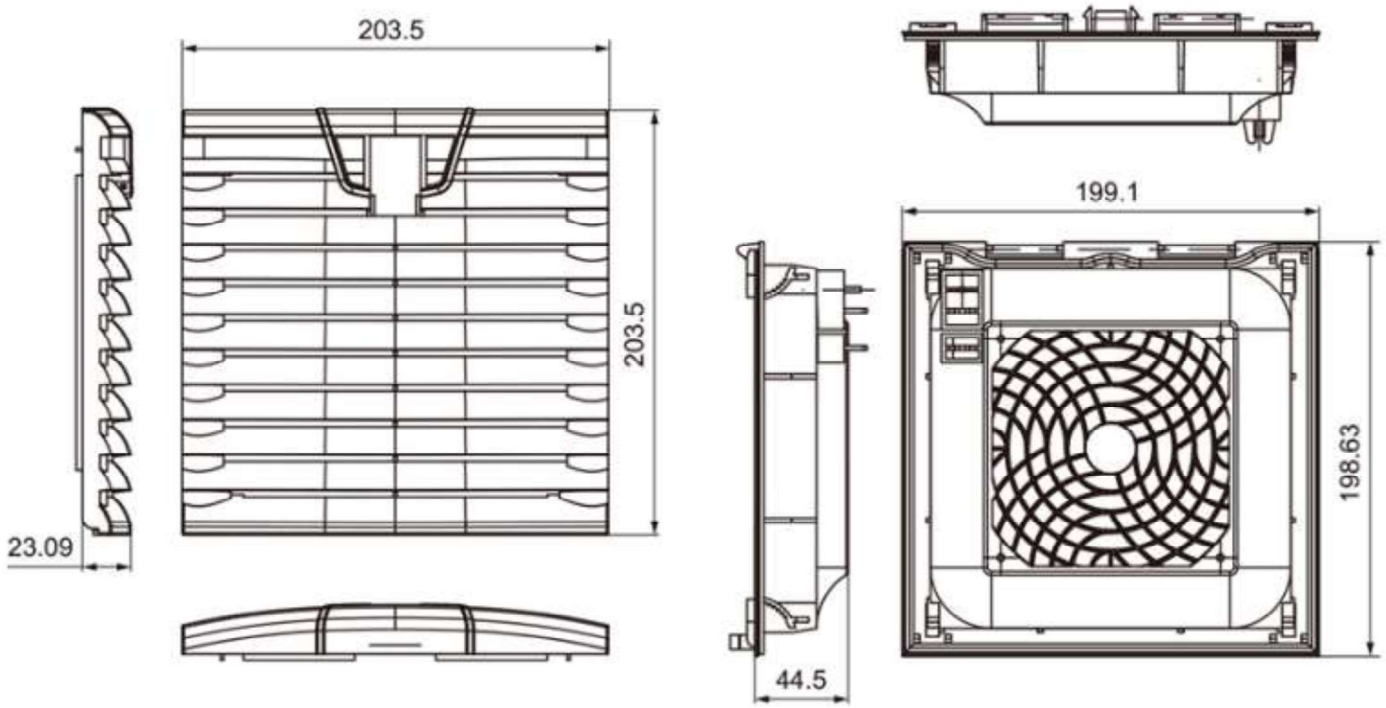
Airflow Direction "In": Fan Filter FPI 018

Art. No.	Operating voltage	Air volume, free flow	Air volume with exit filter	Power consumption	Weight (approx.)
01872.0-30	AC230V,50/60Hz	170m³/h	123m³/h	45W	1.6kg
01872.9-30	AC110V,50/60Hz	204m³/h	187m³/h	38W	1.6kg

Features

> New air-flap outlet technology for high airflow
> Easy mounting
> Protection type test/Environmental rating by independent testing institutes
> Standard enclosure cut-out sizes (5 sizes)
> One filter mat

Structure Chart



Application

Fan filters are used to provide an optimum climate in enclosures and cabinets with electrical/electronic components. The interior temperature of an enclosure can be reduced by channelling cooler filtered outside air into the enclosure thus expelling heated internal air. The resulting airflow prevents formation of localised hot pockets in installations and protects electronic components from overheating.

The Fan filter Plus series uses a new air-flap outlet technology for the air outlet and thus reaches a high degree of airflow. A ratchet mechanism is used for mounting and provides high stability and tightness. The FPI system is a standard installation with a filter fan in the lower part of the enclosure which ensures that fresh air is fed into the enclosure (airflow direction "In"). This system consists of a filter fan and exit filter.

Product Name：

Product Model：FPI 018 | 204x204mm

Parameters

FPI 018	
Axial fan, ball bearing	service life L10 at +40°C (+104°F): min. 65,000h fan body aluminium, rotor metal
Connection	3-pole clamp for 2.5mm², clamping torque 0.8Nm max.
Casing, hood, flaps	plastic according to UL94 V-0, light grey; UV light resistant according to UL746C (f1)
Enclosure cut-out	176 x 176 $^{+1}$ mm
Mounting frame	4 built-in ratchet braces for mounting (6 notches for wall thickness 1-4mm). Additional use of screws possible if needed [1] .
Filter mat	G4 acc. to DIN EN 779, filtering degree 94%
Filter material	synthetic fibre with progressive construction, temperature resistant to +100°C, self-extinguishing class F1, moisture resistant to 100% RH, reusable
Operating temperature	50 Hz: -25 to +50°C (-13 to +122°F) 60 Hz: -25 to +70°C (-13 to +158°F)
Storage temperature	-40 to +70°C (-40 to +158°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type/Protection class	IP54 / I (earthed)
Note	other voltages on request

[1] Drilling marks for screw mounting are indicated on mounting frame.

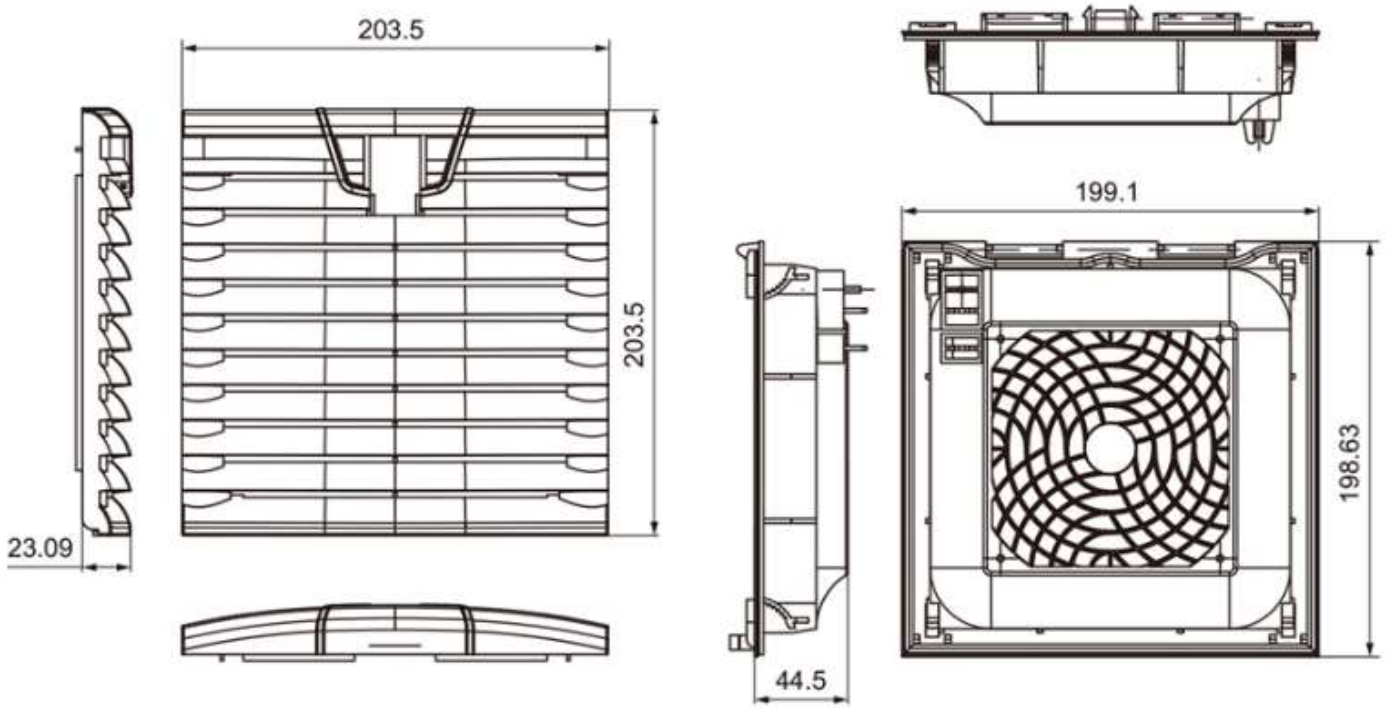
Airflow Direction "In": Fan Filter FPI 018

Art. No.	Operating voltage	Air volume, free flow	Air volume with exit filter	Power consumption	Weight (approx.)
01872.0-30	AC230V,50/60Hz	170m³/h	123m³/h	45W	1.6kg
01872.9-30	AC110V,50/60Hz	204m³/h	187m³/h	38W	1.6kg

Features

> New air-flap outlet technology for high airflow
> Easy mounting
> Protection type test/Environmental rating by independent testing institutes
> Standard enclosure cut-out sizes (5 sizes)
> One filter mat

Structure Chart



Application

Fan filters are used to provide an optimum climate in enclosures and cabinets with electrical/electronic components. The interior temperature of an enclosure can be reduced by channelling cooler filtered outside air into the enclosure thus expelling heated internal air. The resulting airflow prevents formation of localised hot pockets in installations and protects electronic components from overheating.

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Filtro de ventilador

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nombre del producto:

Modelo del Producto: FPI 018 | 255x255mm

Parámetros

FPI 018	
Axial fan, ball bearing	service life L10 at +40°C (+104°F): min. 56,000h fan body aluminium, rotor metal
Connection	3-pole clamp for 2.5mm², clamping torque 0.8Nm max.
Casing, hood, flaps	plastic according to UL94 V-0, light grey; UV light resistant according to UL746C (f1)
Enclosure cut-out	223 x 223 $^{+1}$ mm
Mounting frame	4 built-in ratchet braces for mounting (6 notches for wall thickness 1-4mm). Additional use of screws possible if needed [1] .
Filter mat	G4 acc. to DIN EN 779, filtering degree 94%
Filter material	synthetic fibre with progressive construction, temperature resistant to +100°C, self-extinguishing class F1, moisture resistant to 100% RH, reusable
Operating temperature	-25 to +65°C (-13 to +149°F)
Storage temperature	-40 to +70°C (-40 to +158°F)
Operating/Storage humidity	max. 75% RH (non-condensing)
Protection type/Protection class	IP54 / I (earthed)
Note	other voltages on request

[1] Drilling marks for screw mounting are indicated on mounting frame.

Airflow Direction "In": Fan Filter FPI 018

Art. No.	Operating voltage	Air volume, free flow	Air volume with exit filter	Power consumption	Weight (approx.)
01873.0-30	AC230V,50/60Hz	305m³/h	210m³/h	64W	2.4kg
01873.9-30	AC110V,50/60Hz	332m³/h	293m³/h	81W	2.4kg

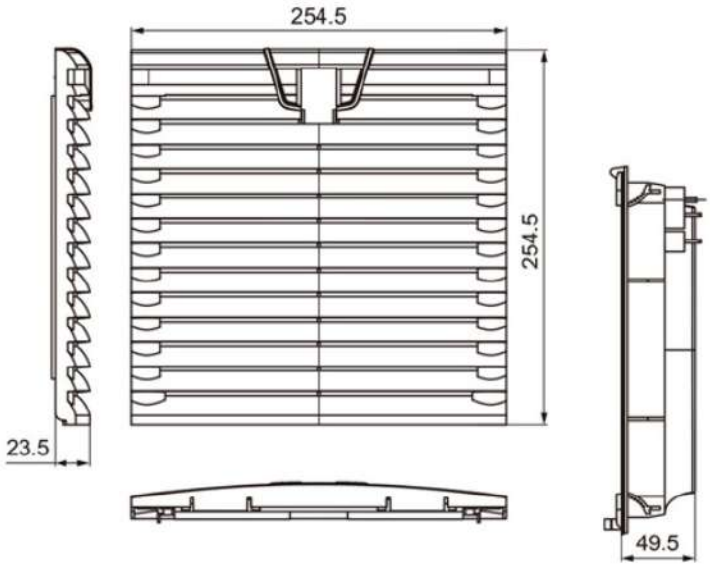
Airflow Direction "In": Exit Filter FPI 118

Art. No.	Operating voltage	Air outlet	Depth in enclosure	Weight (approx.)
11873.0-00	-	air-flap outlet technology	46mm	0.6kg

Caracteristicas

> New air-flap outlet technology for high airflow
> Easy mounting
> Protection type test/Environmental rating by independent testing institutes
> Standard enclosure cut-out sizes (5 sizes)
> One filter mat

Carta de estructura



Certificación

Filter Fan CE-EMC (2)

Filter Fan CE-LVD (2)

Filter Fan RoHS (2)

Filter Fan CE-EMC

Filter Fan CE-LVD

Filter Fan RoHS

Filter Fan Reach

Filter Fan IP54

Filter Fan IP55

Solicitud

Fan filters are used to provide an optimum climate in enclosures and cabinets with electrical/electronic components. The interior temperature of an enclosure can be reduced by channelling cooler filtered outside air into the enclosure thus expelling heated internal air. The resulting airflow prevents formation of localised hot pockets in installations and protects electronic components from overheating.

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