

Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY



FULL

FILTERFAN 4.0
Count on the original

FILTERFAN 4.0

Otto Pfannenberg's invention of the Filterfan in 1958 was a milestone in the area of industrial thermal management. Today Pfannenberg provides a whole range of different solutions for industrial thermal management and is thus one of the few specialists that can provide the appropriate devices for virtually all industrial requirements – worldwide.

THE CALCULATION THAT MAKES SENSE!

As a result of several years of experience and continuous further development, Pfannenberg's Filterfans have features which are unrivalled. Thanks to flow optimized fins and rotor blades the Filterfans 4.0 reach a particularly high airflow and, at the same time, IP 55 system of protection. The flat-profile, uni-coloured design matches modern machines and plants perfectly.

Whilst the patented 4-corner fastening system enables safe and quick installation, the filter medium can be replaced in seconds – thanks to the patented click mechanism. All in all, the Filterfans 4.0 unite 11 well-thought out details which are protected by patents.

The fluted filter is used with the IP 55 variations. It not only guarantees a reliable IP protection but also extends the life time to 300% longer than conventional filter media. Due to the fluted filter mat's folded structure an airflow is reached even at IP 55, this airflow is unrivalled.

- ✚ Low energy consumption
- ✚ Unrivalled airflow
- ✚ Up to 300% longer life time
- ▬ Safe and economical cooling of your electrical enclosures

ECOOL – THE STANDARD FOR THE FUTURE

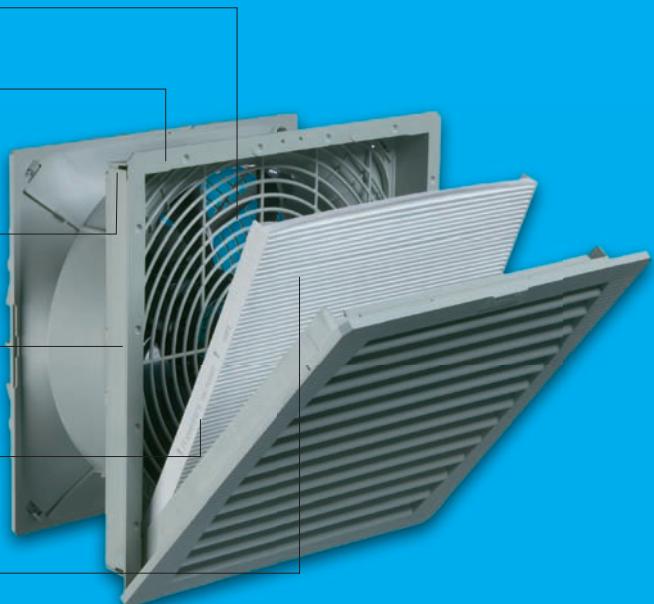
Filterfans 4.0 are a solution for thermal management from the Pfannenberg **E**COOL series. This product line is Pfannenberg's answer to industry's increased requirements and demands regarding performance, capacity and cost efficiency. All products from the **E**COOL series stand out due to their:

- ENERGY EFFICIENCY
- ENVIRONMENTAL FRIENDLINESS
- SERVICE FRIENDLINESS



The flow characteristics of the Filterfans 4.0 were optimized during more than 1,000 tests in our modern test laboratory. The result: Modern, flat fins which enable maximal airflow, hold back dust and water particles, protect the filter medium from damage and can be integrated into the design of the applications.

- **REDUCED ENERGY CONSUMPTION**
More air, less power consumption
- **IP 54 PROTECTION**
Closed frame prevents unfiltered air from penetrating
- **PATENTED TOOL-LESS 4 CORNER FASTENING SYSTEM**
Possible to install in seconds
- **NEUTRAL DESIGN WITHOUT COLOUR IRRITATIONS**
Perfect harmony of colours with modern machines and plants
- **UNRIVALLED AIR FLOW AT IP 55**
Via fluted filter mat
- **SERVICE TIME IS UP TO 300% LONGER VIA PATENTED FLUTED FILTER MAT**
This saves time and money



Filterfans 4.0 comply with national and international standards, e.g. TÜV, NEMA, UL and GOST*.

*on request

MOUNTING, ENERGY, AIR, MAINTENANCE – YOUR ADVANTAGE

Well-thought out details optimize your balance sheet:

1. COMPATIBILITY

Filterfans 4.0 can be integrated without any problems, because most of the enclosure cut-outs are Pfannenberg standard.



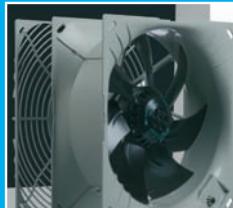
2. TIME

The patented 4 corner fastening system allows a tool-free installation in seconds and guarantees a secure hold.



3. MAINTENANCE

The design cover's fastening system enables a filter mat replacement in seconds.



4. AIR

Airflow optimized fins and rotor blades guarantee maximal airflow with the minimal energy consumption.



5. EFFICIENCY

Filterfans 4.0 can be equipped with a thermostat (optional):
It only works when cooling is actually necessary.

6. LIFE TIME

With the fluted filter mats filterfans 4.0 reach IP 55 system of protection.
The intervals in which they need to be replaced extend to 300% longer
than with conventional filter media.



PFANNENBERG SIZING SOFTWARE (PSS)

Calculate the cooling requirements for your applications
and find the optimal solution! Pfannenberg's Sizing Soft-
ware leads you to the result, step by step. You then re-
ceive a tailor-made recommendation for your application
– and avoid costly over dimensioning and risky under
dimensioning.

Download the PSS free of charge or calcu-
late your requirements directly online at

www.pfannenberg.com/support/pss-berechnungssoftware.html.
Also available as an app für iOS and Android tablets. Look for „PSS“.



FILTERFANS

PF 11.000

- Airflow rate up to 24 m³/h
- System of protection IP 54, NEMA type 12
- Cut-out dimensions: 92 x 92 mm



PF 22.000

- Airflow rate up to 66 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 125 x 125 mm



PF 32.000

- Airflow rate up to 110 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 177 x 177 mm



Rated voltage ± 10%	230 V 50 / 60 Hz	Version	IP 54
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter
Service life L ₁₀ (+ 40 °C)	52,500 h	Filter mat quality class	G 3
Weight	0.55 kg	Unimpeded airflow	19 / 24 m ³ /h
Colour	RAL 7035	Airflow rate in combination (PF + PFA 10.000)	12 / 14 m ³ /h
Noise level (EN ISO 3741)	33 / 33 dB (A)	Filtration efficiency	88%
Type of connection	cable, 2-core, length 310 mm		
Bearing type	sleeve bearing	Article no. *	11611101055
Approvals	UL, cUL, CE, (on request: GOST)	Article no. Spare part filter mats (5 pieces)	18611600029
Power consumption	12 / 11 W	Article no. Spare part fan 230 V AC	18611000032
Width x height x depth	109 x 109 x 62 mm		

Rated voltage ± 10%	230 V 50 / 60 Hz	Version	IP 54	IP 55
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Service life L ₁₀ (+ 40 °C)	37,500 h	Filter mat quality class	G 3	G 4
Weight	0.7 kg	Unimpeded airflow	60 / 66 m ³ /h	56 / 64 m ³ /h
Colour	RAL 7035	Airflow rate in combination (PF + PFA 20.000)	38 / 42 m ³ /h	40 / 46 m ³ /h
Noise level (EN ISO 3741)	44 / 44 dB (A)	Filtration efficiency	88%	91%
Type of connection	terminal strip	Article no. **	11622101055	11622103055
Bearing type	sleeve bearing	Article no. Spare part filter mats (5 pieces)	18611600030	18611600034
Approvals	UL, cUL, CE, (on request: GOST)	Article no. Spare part fan 230 V AC		18611000016
Power consumption	19 / 18 W			
Width x height x depth	145 x 145 x 70 mm			

Rated voltage ± 10%	230 V 50 / 60 Hz	Version	IP 54	IP 55
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Service life L ₁₀ (+ 40 °C)	37,500 h	Filter mat quality class	G 3	G 4
Weight	0.87 kg	Unimpeded airflow	98 / 108 m ³ /h	100 / 110 m ³ /h
Colour	RAL 7035	Airflow rate in combination (PF + PFA 30.000)	73 / 80 m ³ /h	55 / 64 m ³ /h
Noise level (EN ISO 3741)	40 / 40 dB (A)	Filtration efficiency	88%	91%
Type of connection	terminal strip	Article no. *	11632101055	11632103055
Bearing type	sleeve bearing	Article no. Spare part filter mats (5 pieces)	18611600031	18611600035
Approvals	UL, cUL, CE, (on request: GOST)	Article no. Spare part fan 230 V AC		18611000016
Power consumption	19 / 18 W			
Width x height x depth	202 x 202 x 93 mm			

FILTERFANS

PF 42.500

- Airflow rate up to 160 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 223 x 223 mm



PF 43.000

- Airflow rate up to 265 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 223 x 223 mm



PF 65.000

- Airflow rate up to 505 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 291 x 291 mm



Rated voltage ± 10%	230 V 50 / 60 Hz
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO
Service life L ₁₀ (+ 40 °C)	40,000 h
Weight	1.18 kg
Colour	RAL 7035
Noise level (EN ISO 3741)	40 / 43 dB (A)
Type of connection	spring-type terminal
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	18 / 17 W
Width x height x depth	252 x 252 x 103 mm

Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4
Unimpeded airflow	125 / 138 m ³ /h	145 / 160 m ³ /h
Airflow rate in combination (PF + PFA 40.000)	93 / 102 m ³ /h	109 / 113 m ³ /h
Filtration efficiency	88%	91%
Article no. *	11642101055	11642103055
Article no. Spare part filter mats (5 pieces)	18611600032	18611600036
Article no. Spare part fan 230 V AC		18611000033

Rated voltage ± 10%	230 V 50 / 60 Hz
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO
Service life L ₁₀ (+ 40 °C)	40,000 h
Weight	1.67 kg
Colour	RAL 7035
Noise level (EN ISO 3741)	42 / 46 dB (A)
Type of connection	spring-type terminal
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	65 / 80 W
Width x height x depth	252 x 252 x 119 mm

Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4
Unimpeded airflow	223 / 247 m ³ /h	233 / 265 m ³ /h
Airflow rate in combination (PF + PFA 40.000)	201 / 223 m ³ /h	180 / 207 m ³ /h
Filtration efficiency	88%	91%
Article no. *	11643101055	11643103055
Article no. Spare part filter mats (5 pieces)	18611600032	18611600036
Article no. Spare part fan 230 V AC		18611000019

Rated voltage ± 10%	230 V 50 / 60 Hz
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO
Service life L ₁₀ (+ 40 °C)	40,000 h
Weight	3.2 kg
Colour	RAL 7035
Noise level (EN ISO 3741)	54 / 52 dB (A)
Type of connection	spring-type terminal
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	65 / 80 W
Width x height x depth	320 x 320 x 157 mm

Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4
Unimpeded airflow	480 m ³ /h	505 m ³ /h
Airflow rate in combination (PF + PFA 60.000)	370 m ³ /h	380 m ³ /h
Filtration efficiency	91%	91%
Article no. *	11665102055	11665103055
Article no. Spare part filter mats (5 pieces)	18611600033	18611600037
Article no. Spare part fan 230 V AC		18611000044

FILTERFANS

PF 66.000

- Airflow rate up to 785 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 291 x 291 mm



PF 67.000

- Airflow rate up to 950 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 291 x 291 mm



Rated voltage ± 10%	230 V 50 / 60 Hz	Version	IP 54	IP 55
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Service life L ₁₀ (+ 40 °C)	40,000 h	Filter mat quality class	G 3	G 4
Weight	3.2 kg	Unimpeded airflow	640 / 653 m ³ /h	770 / 785 m ³ /h
Colour	RAL 7035	Airflow rate in combination (PF + PFA 60.000)	445 / 445 m ³ /h	490 / 501 m ³ /h
Noise level (EN ISO 3741)	63 / 64 dB (A)	Filtration efficiency	91%	91%
Type of connection	spring-type terminal			
Bearing type	ball bearing			
Approvals	UL, cUL, CE, (on request: GOST)	Article no. *	11666102055	11666103055
Power consumption	115 / 150 W	Article no. Spare part filter mats (5 pieces)	18611600033	18611600037
Width x height x depth	320 x 320 x 157 mm	Article no. Spare part fan 230 V AC		18611000045

Rated voltage ± 10%	230 V 50 / 60 Hz	Version	IP 54	IP 55
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Service life L ₁₀ (+ 40 °C)	40,000 h	Filter mat quality class	G 3	G 4
Weight	3.7 kg	Unimpeded airflow	845 / 875 m ³ /h	925 / 950 m ³ /h
Colour	RAL 7035	Airflow rate in combination (PF + PFA 60.000)	560 / 625 m ³ /h	570 / 625 m ³ /h
Noise level (EN ISO 3741)	66 / 69 dB (A)	Filtration efficiency	91%	91%
Type of connection	spring-type terminal			
Bearing type	ball bearing	Article no. *	11667102055	11667103055
Approvals	UL, cUL, CE, (on request: GOST)	Article no. Spare part filter mats (5 pieces)	18611600033	18611600037
Power consumption	135 / 200 W	Article no. Spare part fan 230 V AC		18611000046
Width x height x depth	320 x 320 x 157 mm			

EXHAUST FILTERS

PFA 10.000

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 92 x 92 x 23 mm
- Cut-out dimensions: 92 x 92 mm
- Colour: RAL 7035



Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO
Approvals	UL, cUL, CE, (on request: GOST)
Version	IP 54
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter
Filter mat quality class	G 3
Article no. *	11710001055
Article no. Spare filter mats (5 pieces)	18611600029

EXHAUST FILTERS

PFA 20.000

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 145 x 145 x 31 mm
- Cut-out dimensions: 125 x 125 mm
- Colour: RAL 7035



PFA 30.000

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 202 x 202 x 40 mm
- Cut-out dimensions: 177 x 177 mm
- Colour: RAL 7035



PFA 40.000

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 109 x 109 x 44 mm
- Cut-out dimensions: 223 x 223 mm
- Colour: RAL 7035



PFA 60.000

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 320 x 320 x 46 mm
- Cut-out dimensions: 291 x 291 mm
- Colour: RAL 7035



Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	
Approvals	UL, cUL, CE, (on request: GOST)	
Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4
Article no.*	11720001055	11720003055
Article no. Spare filter mats (5 pieces)	18611600030	18611600034

Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	
Approvals	UL, cUL, CE, (on request: GOST)	
Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4
Article no.*	11730001055	11730003055
Article no. Spare filter mats (5 pieces)	18611600031	18611600035

Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	
Approvals	UL, cUL, CE, (on request: GOST)	
Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4
Article no.*	11740001055	11740003055
Article no. Spare filter mats (5 pieces)	18611600032	18611600036

Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	
Approvals	UL, cUL, CE, (on request: GOST)	
Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4
Article no.*	11760002055	11760003055
Article no. Spare filter mats (5 pieces)	18611600033	18611600037

FILTERFANS

PF 11.000 EMC

- Airflow rate up to 24 m³/h
- System of protection IP 54, NEMA type 12
- Cut-out dimensions: 93 x 93 mm



PF 22.000 EMC

- Airflow rate up to 66 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 126 x 126 mm



PF 32.000 EMC

- Airflow rate up to 110 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 178 x 178 mm



Rated voltage ± 10%	230 V 50 / 60 Hz	Version	IP 54
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter
EMC screen	stainless steel	Filter mat quality class	G 3
Service life L ₁₀ (+ 40 °C)	52,500 h	Unimpeded airflow	19 / 24 m ³ /h
Weight / Colour	0.55 kg / RAL 7035	Airflow rate in combination (PF + PFA 10.000)	12 / 14 m ³ /h
Noise level (EN ISO 3741)	33 / 33 dB (A)	Filtration efficiency	88%
Type of connection	cable, 2-core, length 310 mm		
Bearing type	sleeve bearing	Article no.	11811101055
Approvals	UL, cUL, CE, (on request: GOST)	Article no. Spare part filter mats (5 pieces)	18611600029
Power consumption	12 / 11 W	Article no. Spare part fan 230 V AC	18611000032
Width x height x depth	109 x 109 x 66 mm		

Rated voltage ± 10%	230 V 50 / 60 Hz	Version	IP 54	IP 55
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
EMC screen	stainless steel	Filter mat quality class	G 3	G 4
Service life L ₁₀ (+ 40 °C)	37,500 h	Unimpeded airflow	60 / 66 m ³ /h	56 / 64 m ³ /h
Weight / Colour	0.7 kg / RAL 7035	Airflow rate in combination (PF + PFA 20.000)	38 / 42 m ³ /h	40 / 46 m ³ /h
Noise level (EN ISO 3741)	44 / 44 dB (A)	Filtration efficiency	88%	91%
Type of connection	terminal strip	Article no. *	11822101055	11822103055
Bearing type	sleeve bearing	Article no. Spare part filter mats (5 pieces)	18611600030	18611600034
Approvals	UL, cUL, CE, (on request: GOST)	Article no. Spare part fan 230 V AC		18611000016
Power consumption	19 / 18 W			
Width x height x depth	145 x 145 x 75 mm			

Rated voltage ± 10%	230 V 50 / 60 Hz	Version	IP 54	IP 55
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
EMC screen	stainless steel	Filter mat quality class	G 3	G 4
Service life L ₁₀ (+ 40 °C)	37,500 h	Unimpeded airflow	98 / 108 m ³ /h	100 / 110 m ³ /h
Weight / Colour	0.96 kg / RAL 7035	Airflow rate in combination (PF + PFA 30.000)	73 / 80 m ³ /h	55 / 64 m ³ /h
Noise level (EN ISO 3741)	40 / 40 dB (A)	Filtration efficiency	88%	91%
Type of connection	spring-type terminal	Article no. *	11832101055	11832103055
Bearing type	ball bearing	Article no. Spare part filter mats (5 pieces)	18611600031	18611600035
Approvals	UL, cUL, CE, (on request: GOST)	Article no. Spare part fan 230 V AC		18611000016
Power consumption	19 / 18 W			
Width x height x depth	202 x 202 x 93 mm			

FILTERFANS

PF 42.500 EMC

- Airflow rate up to 160 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 224 x 224 mm



PF 43.000 EMC

- Airflow rate up to 265 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 224 x 224 mm



PF 65.000 EMC

- Airflow rate up to 505 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 292 x 292 mm



Rated voltage ± 10%	230 V 50 / 60 Hz
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO
EMC screen	stainless steel
Service life L ₁₀ (+ 40 °C)	40,000 h
Weight / Colour	1.18 kg / RAL 7035
Noise level (EN ISO 3741)	40 / 43 dB (A)
Type of connection	spring-type terminal
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	18 / 17 W
Width x height x depth	252 x 252 x 103 mm

Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4
Unimpeded airflow	125 / 138 m ³ /h	145 / 160 m ³ /h
Airflow rate in combination (PF + PFA 40.000)	93 / 102 m ³ /h	109 / 113 m ³ /h
Filtration efficiency	88%	91%
Article no. *	11842101055	11842103055
Article no. Spare part filter mats (5 pieces)	18611600032	18611600036
Article no. Spare part fan 230 V AC		18611000033

Rated voltage ± 10%	230 V 50 / 60 Hz
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO
EMC screen	stainless steel
Service life L ₁₀ (+ 40 °C)	40,000 h
Weight / Colour	1.83 kg / RAL 7035
Noise level (EN ISO 3741)	42 / 46 dB (A)
Type of connection	spring-type terminal
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	45 / 39 W
Width x height x depth	252 x 252 x 119 mm

Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4
Unimpeded airflow	223 / 247 m ³ /h	233 / 265 m ³ /h
Airflow rate in combination (PF + PFA 40.000)	201 / 223 m ³ /h	180 / 207 m ³ /h
Filtration efficiency	88%	91%
Article no. *	11843101055	11843103055
Article no. Spare part filter mats (5 pieces)	18611600032	18611600036
Article no. Spare part fan 230 V AC		18611000019

Rated voltage ± 10%	230 V 50 / 60 Hz
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO
EMC screen	stainless steel
Service life L ₁₀ (+ 40 °C)	40,000 h
Weight / Colour	3.43 kg / RAL 7035
Noise level (EN ISO 3741)	54 / 52 dB (A)
Type of connection	spring-type terminal
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	65 / 80 W
Width x height x depth	320 x 320 x 157 mm

Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4
Unimpeded airflow	480 m ³ /h	505 m ³ /h
Airflow rate in combination (PF + PFA 60.000)	370 m ³ /h	380 m ³ /h
Filtration efficiency	91%	91%
Article no. *	11865102055	11865103055
Article no. Spare part filter mats (5 pieces)	18611600033	18611600037
Article no. Spare part fan 230 V AC		18611000044

FILTERFANS

PF 66.000 EMC

- Airflow rate up to 785 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 292 x 292 mm



PF 67.000 EMC

- Airflow rate up to 950 m³/h
- System of protection IP 54 and IP 55, NEMA type 12
- Cut-out dimensions: 292 x 292 mm



	Version	IP 54	IP 55
Rated voltage ± 10%	230 V 50 / 60 Hz		
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
EMC screen	stainless steel	G 3	G 4
Service life L ₁₀ (+ 40 °C)	40,000 h	Unimpeded airflow	640 / 653 m ³ /h
Weight / Colour	3.43 kg / RAL 7035	Airflow rate in combination (PF + PFA 60.000)	770 / 785 m ³ /h
Noise level (EN ISO 3741)	63 / 64 dB (A)	Filtration efficiency	445 / 445 m ³ /h
Type of connection	spring-type terminal		490 / 501 m ³ /h
Bearing type	ball bearing		91%
Approvals	UL, cUL, CE, (on request: GOST)	Article no.*	11866102055
Power consumption	115 / 150 W	Article no. Spare part filter mats (5 pieces)	18611600033
Width x height x depth	320 x 320 x 157 mm	Article no. Spare part fan 230 V AC	18611000045

	Version	IP 54	IP 55
Rated voltage ± 10%	230 V 50 / 60 Hz		
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
EMC screen	stainless steel	G 3	G 4
Service life L ₁₀ (+ 40 °C)	40,000 h	Unimpeded airflow	845 / 875 m ³ /h
Weight / Colour	3.93 kg / RAL 7035	Airflow rate in combination (PF + PFA 60.000)	925 / 950 m ³ /h
Noise level (EN ISO 3741)	66 / 69 dB (A)	Filtration efficiency	560 / 625 m ³ /h
Type of connection	spring-type terminal		570 / 625 m ³ /h
Bearing type	ball bearing	Article no.*	11867102055
Approvals	UL, cUL, CE, (on request: GOST)	Article no. Spare part filter mats (5 pieces)	18611600033
Power consumption	135 / 200 W	Article no. Spare part fan 230 V AC	18611000046
Width x height x depth	320 x 320 x 157 mm		

EXHAUST FILTERS

PFA 10.000 EMC

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 109 x 109 x 23 mm
- Cut-out dimensions: 93 x 93 mm
- Colour: RAL 7035



Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO
EMC screen	stainless steel
Approvals	UL, cUL, CE, (on request: GOST)
Version	IP 54
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter
Filter mat quality class	G 3
Article no.	11910001055
Article no. Spare filter mats (5 pieces)	18611600029

EXHAUST FILTERS

PFA 20.000 EMC

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 145 x 145 x 31 mm
- Cut-out dimensions: 126 x 126 mm
- Colour: RAL 7035



PFA 30.000 EMC

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 202 x 202 x 40 mm
- Cut-out dimensions: 178 x 178 mm
- Colour: RAL 7035



PFA 40.000 EMC

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 252 x 252 x 44 mm
- Cut-out dimensions: 224 x 224 mm
- Colour: RAL 7035



PFA 60.000 EMC

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 202 x 202 x 40 mm
- Cut-out dimensions: 292 x 292 mm
- Colour: RAL 7035



Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	
EMC screen	stainless steel	
Approvals	UL, cUL, CE, (on request: GOST)	
Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4

Article no.	11920001055	11920003055
Article no. Spare filter mats (5 pieces)	18611600030	18611600034

Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	
EMC screen	stainless steel	
Approvals	UL, cUL, CE, (on request: GOST)	
Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4

Article no.*	11930001055	11930003055
Article no. Spare filter mats (5 pieces)	18611600031	18611600035

Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	
EMC screen	stainless steel	
Approvals	UL, cUL, CE, (on request: GOST)	
Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4

Article no.*	11940001055	11940003055
Article no. Spare filter mats (5 pieces)	18611600032	18611600036

Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO	
EMC screen	stainless steel	
Approvals	UL, cUL, CE, (on request: GOST)	
Version	IP 54	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - standard filter	NEMA type 12 - fluted filter
Filter mat quality class	G 3	G 4

Article no.*	11960002055	11960003055
Article no. Spare filter mats (5 pieces)	18611600033	18611600037

SLIM LINE FILTERFANS

PF 65.000 SL

- Airflow rate up to 550 m³/h
- System of protection IP 55, NEMA type 12
- UV-resistance
- Cut-out dimensions: 291 x 291 mm



PF 67.000 SL

- Airflow rate up to 725 m³/h
- System of protection IP 55, NEMA type 12
- UV-resistance
- Cut-out dimensions: 291 x 291 mm



Rated voltage ± 10%	230 V 50 / 60 Hz
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO
Service life L ₁₀ (+ 40 °C)	40,000 h
Weight	3.3 kg
Colour	RAL 7035
Noise level (EN ISO 3741)	54 / 52 dB (A)
Type of connection	terminal strip
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	64 / 80 W
Width x height x depth	320 x 320 x 131 mm

Version	IP 55
System of protection (EN 60529 / UL 50)	NEMA type 12 - fluted filter
Filter mat quality class	G 4
Unimpeded airflow	500 / 550 m ³ /h
Airflow rate in combination (PF + PFA 60.000)	345 / 380 m ³ /h
Filtration efficiency	91%
Article no. *	11675103055
Article no. Spare part filter mats (5 pieces)	18611600037
Article no. Spare part fan 230 V AC	18611000001

FILTERFANS FOR ROOF MOUNTING

PTF 60.500

- Airflow rate up to 500 m³/h
- Toolless mounting, patented quick fastening system
- System of protection IP 33 and IP 54
- Cut-out dimensions: 291 x 291 mm



Rated voltage ± 10%	230 V 50 / 60 Hz
Design (housing and protection against accidental contact)	sheet steel, cover powder-coated; snap-in housing made of injection-moulded thermoplastic (ABS-FR) self-extinguishing, UL 94 VO
Service life L ₁₀ (+ 40 °C)	approx. 50,000 h
Weight	4.8 kg
Colour	RAL 7035
Noise level (EN ISO 3741)	67 dB (A)
Type of connection	terminal strip
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	4 x 28 / 29 W

Width x height x depth	430 x 125 x 430 mm	
System of protection (EN 60529 / UL 50)	IP 54	IP 33
Filter mat quality class	G 3	no filter mat
Unimpeded airflow	310 m ³ /h	500 m ³ /h
Airflow rate in combination (PF + PFA 60.000)	210 m ³ /h	268 m ³ /h
Filtration efficiency	81%	0%
Article no. *	11685101055	11685100055
Article no. Spare part filter mats (20 pieces)	18611600124	
Article no. Spare part fan 230 V AC		18611000052

FILTERFANS FOR ROOF MOUNTING

PTF 60.700

- Airflow rate up to 700 m³/h
- Toolless mounting, patented quick fastening system
- System of protection IP 33 and IP 54
- Cut-out dimensions: 291 x 291 mm



PTF 61.000

- Airflow rate up to 1,000 m³/h
- Toolless mounting, patented quick fastening system
- System of protection IP 33 and IP 54
- Cut-out dimensions: 291 x 291 mm



Rated voltage ± 10%	230 V 50 / 60 Hz
Design (housing and protection against accidental contact)	sheet steel, cover powder-coated; snap-in housing made of injection-moulded thermoplastic (ABS-FR) self-extinguishing, UL 94 VO
Service life L ₁₀ (+ 40 °C)	approx. 40,000 h
Weight	4.1 kg
Colour	RAL 7035
Noise level (EN ISO 3741)	69 dB (A)
Type of connection	terminal strip
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	65 / 80 W

Width x height x depth	470 x 140 x 470 mm	
System of protection (EN 60529 / UL 50)	IP 54	IP 33
Filter mat quality class	G 3	no filter mat
Unimpeded airflow	646 m ³ /h	700 m ³ /h
Airflow rate in combination (PF + PFA 60.000)	360 m ³ /h	427 m ³ /h
Filtration efficiency	81%	0%

Article no. *	11687102055	11687100055
Article no. Spare part filter mats (20 pieces)	18611600143	
Article no. Spare part fan 230 V AC		18611600143

Rated voltage ± 10%	230 V 50 / 60 Hz
Design (housing and protection against accidental contact)	sheet steel, cover powder-coated; snap-in housing made of injection-moulded thermoplastic (ABS-FR) self-extinguishing, UL 94 VO
Service life L ₁₀ (+ 40 °C)	approx. 40,000 h
Weight	4.3 kg
Colour	RAL 7035
Noise level (EN ISO 3741)	77 dB (A)
Type of connection	terminal strip
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	115 / 150 W

Width x height x depth	470 x 140 x 470 mm	
System of protection (EN 60529 / UL 50)	IP 54	IP 33
Filter mat quality class	G 3	no filter mat
Unimpeded airflow	1035 m ³ /h	1,000 m ³ /h
Airflow rate in combination (PF + PFA 60.000)	570 m ³ /h	582 m ³ /h
Filtration efficiency	81%	0%

Article no. *	11681102055	11681100055
Article no. Spare part filter mats (20 pieces)	18611600143	
Article no. Spare part fan 230 V AC		18611600143

TOP EXHAUST FILTERS

PTFA 60.000

- Toolless mounting, patented quick fastening system
- System of protection IP 33 and IP 54
- W x H x D: 252 x 97 x 252 mm
- Cut-out dimensions: 291 x 291 mm



Design (housing and protection against accidental contact)	sheet steel, cover powder-coated; snap-in housing made of injection-moulded thermoplastic (ABS-FR) self-extinguishing, UL 94 VO
Colour	RAL 7035
Approvals	UL, cUL, CE, (on request: GOST)
System of protection (EN 60529 / UL 50)	IP 54
Filter mat quality class	G 3
Article no. *	11786001055
Article no. Spare filter mats (20 pieces)	18611600124

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