

PF/PFA Series Filterfans 4.0™ and Exhaust Filters

Trust in the Original

Otto Pfannenberg's invention of the Filterfan® in 1958 was a milestone in the area of industrial thermal management. As a result of over 50 years of experience and continuous development, Pfannenberg's Filterfans® have evolved into the trusted name for forced convective cooling to circulate and cool the air in your cabinets.

With our flow optimized fins and rotor blades, the Filterfan 4.0™ reaches a particularly high airflow and at the same time provide a NEMA Type 12 system of protection. The flat-profile, uni-colored design complements modern machines and plants.

Pfannenberg's patented click mechanism on our Filterfans 4.0™ have a unique patented 4-corner fastening system enabling safe and quick, tool-free installation allowing the filter medium to be replaced in seconds.

The fluted filter mat's folded structure provides an unrivaled airflow guaranteeing NEMA Type 12 protection, while also extending the filters lifetime 300% longer than conventional filter.

All in all, our Filterfans 4.0™ contain 11 field-proven patented features.



THE TECHNOLOGY OF COOLING

Cooling with Filterfans®

If the installation will be in a clean, non-hazardous environment with an acceptable ambient (outside the enclosure) temperature range, a simple forced-air cooling system utilizing outside air is usually adequate. Combined with an air filter, such devices generally meet the heat removal needs of typical electronic equipment and many electrical applications.

How do I know if a Filterfan® is the right product for my application?

- If the temperature rise inside the enclosure can be higher than the ambient.
- If multiple configurations are needed. Filterfans® can be located in a number of locations within complex enclosure configurations.

Utilizing Filterfans®

- Always use the Filterfans® to propel the cool ambient air into enclosure.
- Slight positive pressure builds up inside the cabinet so that only air filtered by the Filterfans® flows into the enclosure.
- The air propelled into the cabinet displaces the warm air which exits through the exhaust filter.
- When installing a combination of Filterfans® and exhaust filters, fit the Filterfans® in the lower third of the cabinet and the exhaust filter(s) near the top of the cabinet.

Calculating the required airflow

To properly size a Filterfan® it's important to understand how static pressure effects the performance of a fan. See Understanding CFM on the opposite page.

$$V = \frac{1.82\ (P_D)}{\Delta T}\ [cfm]$$

- **V[cfm]:**
  Airflow volume of Filterfans®
- **P_D [Watt]:**
  Dissipation loss: Thermal power generated inside a cabinet by the dissipation loss of components
- **ΔT[°C]:**
  Difference in temperature between the ambient and inside the electronic cabinet



Model No.	CFM (Filterfan® + exhaust filter)
PF11000	11
PF22000	28
PF32000	38
PF42500	74
PF43000	122
PF65000	224
PF66000	295
PF 67000	368



Model No.	CFM (Filterfan® + 2 exhaust filters)
PF11000	12
PF22000	31
PF32000	47
PF42500	79
PF43000	138
PF65000	256
PF66000	335
PF 67000	452

For additional technical data, drawings and templates. www.pfannenbergusa.com

FILTERFANS 4.0™ QUICK SELECTION CHART

Type	Air flow rate[1] CFM[2] (Type 12)	Rated voltage	Cut-out dimensions (HxW)[3] inches (mm)	Approvals UL	cUL	EAC	CSA	CE	Page
PF Series Filterfans 4.0™									
PF 11000	17	115 V / 230 V AC 24 V DC	3.62 x 3.62 (92 x 92)	●	●	●	●	●	19
PF 22000	38	115 V / 230 V AC 24 V DC	4.92 x 4.92 (125 x 125)	●	●	●	●	●	19
PF 32000	65	115 V / 230 V AC 24 V DC	6.97 x 6.97 (177 x 177)	●	●	●	●	●	20
PF 42500	94	115 V / 230 V AC 24 V DC	8.78 x 8.78 (223 x 223)	●	●	●	●	●	21
PF 43000	169	115 V / 230 V AC 24 V DC	8.78 x 8.78 (223 x 223)	●	●	●	●	●	21
PF 65000	297	115 V / 230 V AC	11.49 x 11.49 (292 x 292)	●	●	●	●	●	22
PF 66000	462	115 V / 230 V AC 400 V / 460 V 3 Ø	11.49 x 11.49 (292 x 292)	●	●	●	●	●	23
PF 67000	560	115 V / 230 V AC 400 V / 460 V 3 Ø	11.49 x 11.49 (292 x 292)	●	●	●	●	●	23
PF Slim Line Filterfans 4.0™									
PF 33000 SL	152	115 V / 230 V AC	6.97 x 6.97 (177 x 177)	●	●			●	20
PF 65000 SL	325	115 V / 230 V AC	11.49 x 11.49 (292 x 292)	●	●		●	●	22
PF 67000 SL	427	115 V / 230 V AC 400 V / 460 V 3 Ø	11.49 x 11.49 (292 x 292)	●	●		●	●	23
PTF Series Top-Mounted Filterfans 4.0™									
PTF 60500	206	115 V / 230 V AC	11.49 x 11.49 (292 x 292)	●	●	●		●	24
PTF 60700	324	115 V / 230 V AC 400 V / 460 V 3 Ø	11.49 x 11.49 (292 x 292)	●	●	●		●	24
PTF 61000	441	115 V / 230 V AC	11.49 x 11.49 (292 x 292)	●	●	●		●	24
PTFA Series Top Exhaust Filters									
PTFA 60000	N/A	N/A	11.49 x 11.49 (292 x 292)	●	●	●		●	24
PFA Series Exhaust filters									
PFA 10000	N/A	N/A	3.62 x 3.62 (92 x 92)	●	●	●	●	●	25
PFA 20000			4.92 x 4.92 (125 x 125)	●	●	●	●	●	25
PFA 30000			6.97 x 6.97 (177 x 177)	●	●	●	●	●	25
PFA 40000			8.78 x 8.78 (223 x 223)	●	●	●	●	●	25
PFA 60000			11.49 x 11.49 (292 x 292)	●	●	●	●	●	25

[1] free-blowing

● available ○ pending

Understanding CFM

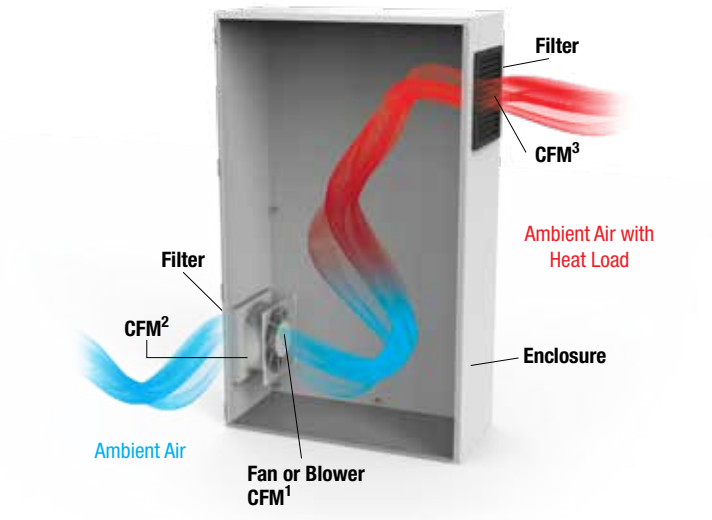
Model No.	CFM[1]	CFM[2]	CFM[3]
PF11000	36	17	11
PF22000	105	38	28
PF32000	105	65	38
PF42500	121	94	74
PF43000	224	155	122
PF65000	489	297	224
PF66000	1024	462	295
PF 67000	1250	560	368

[1] Fan only (unfiltered)

[2] Filterfan® assembly (uninstalled)

[3] Single Filterfan® installed on an enclosure with one filtered exhaust assembly

(Note: Always calculate cooling capacity of Filterfans® with the CFM[3] value.)



FILTERFANS 4.0™

Filterfans® / Exhaust Filters

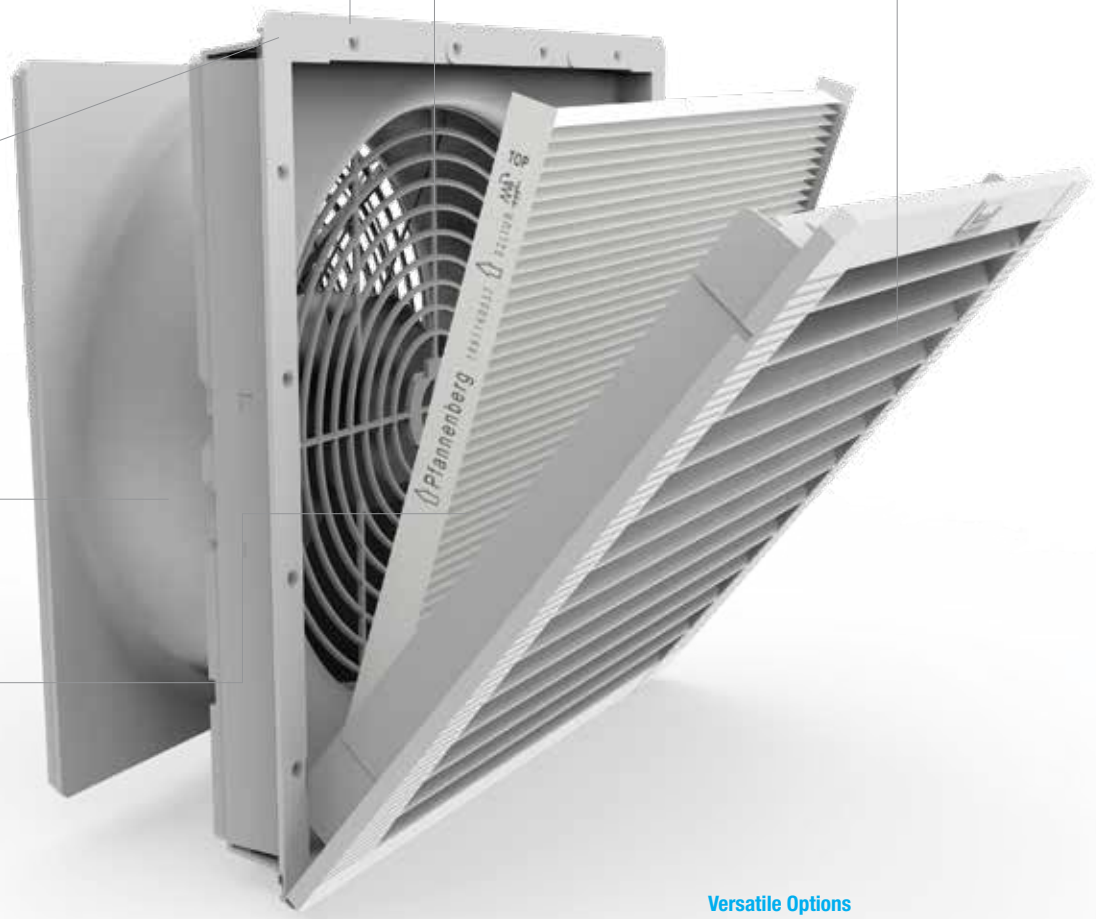
Trust in the Original. Otto Pfannenberg's invention of the Filterfan® in 1958 was a milestone in the area of industrial thermal management. Today Pfannenberg provides a wide range of different solutions for industrial thermal management and is thus one of the few specialists that can provide the appropriate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

NEMA Type 12 Protection
The closed frame design prevents unfiltered air from penetrating the cabinet.

Highest Quality Fans
German manufactured fans that exceed industry standards for quality, performance and service life.

Highest System Airflow Compared to Competitors Filter Fans.
The design of the louvers supports the greatest airflow while further protecting against airborne dust and dirt.

Patented Tool-Less 4 Corner Fastening System
The patented fastening system allows for fast installation (possible to install in seconds) and easy removal reducing MTTR.



Aesthetically Pleasing Design Using Neutral Colors
Available in a standard RAL 7035 Grey and an optional Black color. These units blend in well with the modern styles and colors used for existing machines and systems.

300% Longer Service Time via Patented Fluted Filter Mat
A larger surface area on the filter mat allows for a high filtration level, greater service life and maximum airflow. Saving time and money.

Versatile Options
Options including UV Protected Plastic for use in direct sunlight, EMC shielding to attenuate RF signals and exhausting fans for custom applications.

Globally Compatible
ERP compliant to meet European efficiency directives. Units also comply with additional national and international standards, e.g. TÜV, NEMA, UL, CSA and EAC.

For additional technical data, drawings and templates. www.pfannenbergusa.com

PF 11000

- Airflow rate up to 17 CFM
- System of protection: NEMA type 12
- Cut-out dimensions: 92 x 92 mm



PF 11000 FILTERFANS®

Available voltages ± 10%	115 V, 230 V, 24 VDC	System of protection (UL Listed)	NEMA Type 12 - standard filter
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO	Filter mat quality class	G 3
Service life L_{10} (+ 40 °C)	52,500 h / 55,000 h / 70,000 h (DC)	Unimpeded airflow	17 CFM
Weight	1.2 lb / .35 (DC)	Airflow rate in combination (PF + PFA 20.000)	11 CFM
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)	Filtration efficiency	88%
Noise level (EN ISO 3741)	33 dB (A)	**Part no.** * 115 V, Lt. Grey	11611151055
Type of connection	cable, 2-core, length 310 mm	**Part no.** * 115 V, Black	11611151050
Bearing type	sleeve bearing / ball bearing (DC)	**Part no.** * 230 V, Lt. Grey	11611101055
Approvals	UL, cUL, CE, (on request: GOST)	**Part no.** * 230 V, Black	11611101050
Power consumption	11 W / 2.4 W (DC)	**Part no.** * 24 VDC, Lt. Grey	11611801055
Width x height x depth	4.29 x 4.29 x 2.44 in	**Part no.** * 24 VDC, Black	11611801050
		Part no. Spare part filter mats (5 pieces)	18611600029
		Part no. NEMA Type 3R Rainhood *	See page 27 for part no.

PF 22000

- Airflow rate up to 38 CFM
- System of protection: NEMA type 12
- Cut-out dimensions: 125 x 125 mm



PF 22000 FILTERFANS®

Available voltages± 10%	115 V, 230 V, 24 VDC	System of protection (UL Listed)	NEMA Type 12 - fluted filter
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO	Filter mat quality class	G 4
Service life L_{10} (+ 40 °C)	40,000 h / 37,500 h / 62,500 h (DC)	Unimpeded airflow18	38 CFM
Weight	1.5 lb / .97 (DC)	Airflow rate in combination (PF + PFA 20.000)	28 CFM
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)	Filtration efficiency	91%
Noise level (EN ISO 3741)	44 dB (A)	**Part no.** * 115 V, Lt. Grey	11622154055
Type of connection	terminal strip / cable, 2 core, length 310 mm	**Part no.** * 115 V, Black	11622154050
Bearing type	sleeve bearing / ball bearing (DC)	**Part no.** * 230 V, Lt. Grey	11622104055
Approvals	UL, cUL, CE, (on request: GOST)	**Part no.** * 230 V, Black	11622104050
Power consumption	20 W /18 W / 5 W (DC)	**Part no.** * 24 VDC, Lt. Grey	11622804055
Width x height x depth	5.71 x 5.71 x 2.76 in	**Part no.** * 24 VDC, Black	11622804050
		Part no. Spare part filter mats (5 pieces)	18611600034
		Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

*Consult factory for additional options



Energy Savings Solution

DID YOU KNOW?

Installing a thermostat with a Filterfan® can save energy and extend the service life of the Filterfan®.

Pfannenberg's FLZ 530 Thermostats are designed to work directly with our Filterfans®. This provides efficient operation of the Filterfan® based on the temperature setting leading to greater reliability within the production process.

For additional thermostat models please visit the Heaters & Thermostat section found within this catalog.

FLZ Series Thermostats

Model number	Range	Part Number RAL 7035 (Light Grey)
FLZ 530	0-60 °C	17121000000
	32-140 °F	17121000010

PF SERIES

FILTERFANS 4.0 ™

PF 32000

- Airflow rate up to 65 CFM
- System of protection: NEMA type 12
- Cut-out dimensions: 177 x 177 mm



PF 32000 FILTERFANS®

Available voltages ± 10%	115 V, 230 V, 24 VDC	System of protection (UL Listed)	NEMA Type 12 - fluted filter
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO	Filter mat quality class	G 4
Service life L_{10} (+ 40 °C)	40,000 h / 37,500 h / 62,500 h (DC)	Unimpeded airflow	65 CFM
Weight	1.9 lb / 1.3 lb (DC)	Airflow rate in combination (PF + PFA 30.000)	38 CFM
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)	Filtration efficiency	91%
Noise level (EN ISO 3741)	40 dB (A)	**Part no.** * 115 V, Lt. Grey	11632154055
Type of connection	terminal strip / cable, 2 core, length 310 mm	**Part no.** * 115 V, Black	11632154050
Bearing type	sleeve bearing / ball bearing (DC)	**Part no.** * 230 V, Lt. Grey	11632104055
Approvals	UL, cUL, CE, (on request: GOST)	**Part no.** * 230 V, Black	11632104050
Power consumption	20 W / 18 W / 5 W (DC)	**Part no.** * 24 VDC, Lt. Grey	11632804055
Width x height x depth	7.95 x 7.95 x 3.66 in	**Part no.** * 24 VDC, Black	11632804050
		Part no. Spare part filter mats (5 pieces)	18611600035
		Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

PF 33000 SL

- Airflow rate up to 152 CFM
- System of protection: NEMA type 12
- Cut-out dimensions: 177 x 177 mm



PF 33000 SL SLIM LINE FILTERFANS®

Available voltages ± 10%	115 V, 230 V, 24 VDC	System of protection (UL Listed)	NEMA Type 12 - fluted filter
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO	Filter mat quality class	G 4
Service life L_{10} (+ 40 °C)	40,000 h / 80,000 h (DC)	Unimpeded airflow	152 CFM
Weight	3.68 lb	Airflow rate in combination (PF + PFA 30.000)	115 CFM
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)	Filtration efficiency	91%
Noise level (EN ISO 3741)	42 dB (A)	**Part no.** * 115 V, Lt. Grey	11633156055
Type of connection	cables (DC) / Terminal (AC)	**Part no.** * 115 V, Black	11633156050
Bearing type	ball bearing (DC)	**Part no.** * 230 V, Lt. Grey	11633106055
Approvals	UL, CE, CSA	**Part no.** * 230 V, Black	11633106050
Power consumption	40 W / 39 W / 12 W (DC)	**Part no.** * 24 VDC, Lt. Grey	11633806055
Width x height x depth	7.95 x 7.95 x 3.70 in	**Part no.** * 24 VDC, Black	11633806050
		Part no. Spare part filter mats (5 pieces)	18611600035
		Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

*Consult factory for additional options



DID YOU KNOW?

That if you need to install a Filterfan® in an environment that requires additional protection from the weather or a direct water spray, Pfannenberg offers protective hoods. These NEMA 3R/4 Rain Hoods offer protection from falling water, snow/ice and washdown spray with minimal airflow reduction. The hoods are available in light grey or dark grey to match your enclosures and a 4X stainless steel option. **Note: This technique will not prevent hazardous gases or humidity from entering the cabinet.**

Turn to page 27 for an overview of our new and improved rainhoods.

For additional technical data, drawings and templates. www.pfannenbergusa.com

PF 42500

- Airflow rate up to 94 CFM
- System of protection: NEMA type 12
- Cut-out dimensions: 223 x 223 mm



PF 42500 FILTERFANS®

Available voltages ± 10%	115 V, 230 V, 24 VDC	System of protection (UL Listed)	NEMA Type 12 - fluted filter
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO	Filter mat quality class	G 4
		Unimpeded airflow	94 CFM
Service life L_{10} (+ 40 °C)	42,500 h / 40,000 h / 70,000 h (DC)	Airflow rate in combination (PF + PFA 40.000)	74 CFM
Weight	3 lb / 2 lb (DC)	Filtration efficiency	91%
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)	**Part no.** * 115 V, Lt. Grey	11642154055
Noise level (EN ISO 3741)	43 dB (A)	**Part no.** * 115 V, Black	11642154050
Type of connection	spring-type terminal	**Part no.** * 230 V, Lt. Grey	11642104055
Bearing type	ball bearing	**Part no.** * 230 V, Black	11642104050
Approvals	UL, cUL, CE, (on request: GOST)	**Part no.** * 24 VDC, Lt. Grey	11642804055
Power consumption	17 W / 4.7 W (DC)	**Part no.** * 24 VDC, Black	11642804050
Width x height x depth	9.92 x 9.92 x 4.05 in	**Part no.** Spare part filter mats (5 pieces)	18611600036
		Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

PF 43000

- Airflow rate up to 155 CFM
- System of protection: NEMA type 12
- Cut-out dimensions: 223 x 223 mm



PF 43000 FILTERFANS®

Available voltages ± 10%	115 V, 230 V, 24 VDC	System of protection (UL Listed)	NEMA Type 12 - fluted filter
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO	Filter mat quality class	G 4
		Unimpeded airflow	155 CFM
Service life L_{10} (+ 40 °C)	40,000 h / 80,000 h (DC)	Airflow rate in combination (PF + PFA 40.000)	122 CFM
Weight	3.68 lb / 3.33 lb (DC)	Filtration efficiency	91%
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)	**Part no.** * 115 V, Lt. Grey	11643154055
Noise level (EN ISO 3741)	46 dB (A) / 42 dB (A) (DC)	**Part no.** * 115 V, Black	11643154050
Type of connection	spring-type terminal	**Part no.** * 230 V, Lt. Grey	11643104055
Bearing type	ball bearing	**Part no.** * 230 V, Black	11643104050
Approvals	UL, cUL, CE, (on request: GOST)	**Part no.** * 24 VDC, Lt. Grey	11643804055
Power consumption	40 W / 39 W / 12 W (DC)	**Part no.** * 24 VDC, Black	11643804050
Width x height x depth	9.92 x 9.92 x 4.69 in	**Part no.** Spare part filter mats (5 pieces)	18611600036
		Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

*Consult factory for additional options

DID YOU KNOW?

Untreated plastics exposed to continuous sunlight will experience UV degradation; becoming damaged, cracked and brittle. Pfannenberg's specially treated UV-Resistant Plastic Filterfans® and UV-Resistant Plastic Exhaust Filters are the best option for use in outdoor applications exposed to the sun.

Protect your investment, reduce maintenance costs and extend the life of the product.

Available in PF 22000 - PF 67000 series models. Just add "UV" to the model number when ordering.



PF SERIES

FILTERFANS 4.0 ™

PF 65000

- Airflow rate up to 297 CFM
- System of protection: NEMA type 12
- Cut-out dimensions: 292 x 292 mm



PF 65000 FILTERFANS®

Available voltages ± 10%	115 V, 230 V
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
Service life L_{10} (+ 40 °C)	40,000 h
Weight	7 lb
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)
Noise level (EN ISO 3741)	52 dB (A)
Type of connection	spring-type terminal
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	90 W / 80 W
Width x height x depth	12.6 x 12.6 x 6.18 in

System of protection (UL Listed)	NEMA Type 12 - fluted filter
Filter mat quality class	G 4
Unimpeded airflow	297 CFM
Airflow rate in combination (PF + PFA 60.000)	224 CFM
Filtration efficiency	91%
Part no. * 115 V, Lt. Grey	11665154055
Part no. * 115 V, Black	11665154050
Part no. * 230 V, Lt. Grey	11665104055
Part no. * 230 V, Black	11665104050
Part no. Spare part filter mats (5 pieces)	18611600037
Part no. NEMA Type 3R Rainhood *	See page 27 for part no.

PF 65000 SL

- Airflow rate up to 325 CFM
- System of protection: NEMA type 12
- Cut-out dimensions: 292 x 292 mm



PF 65000 SL SLIM LINE FILTERFANS®

Available voltages ± 10%	115 V, 230 V
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
Service life L_{10} (+ 40 °C)	40,000 h
Weight	7 lb
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)
Noise level (EN ISO 3741)	52 dB (A)
Type of connection	spring-type terminal
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	80 W
Width x height x depth	12.6 x 12.6 x 5.16 in

System of protection (UL Listed)	NEMA type 12 - fluted filter
Filter mat quality class	G 4
Unimpeded airflow	325 CFM
Airflow rate in combination (PF + PFA 60.000)	249 CFM
Filtration efficiency	91%
Part no. * 115 V, Lt. Grey	11675154055
Part no. * 115 V, Black	11675154050
Part no. * 230 V, Lt. Grey	11675104055
Part no. * 230 V, Black	11675104050
Part no. Spare part filter mats (5 pieces)	18611600037
Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

*Consult factory for additional options



DID YOU KNOW?

Installing a standard intake Filterfan® lower than the exhaust filter is the most efficient method for removing heat from an enclosure. There are times when the placement of internal electronics prevents this type of installation. You can flip the fan in the field or you can order reverse flow Filterfans® that exhausts air from the upper portion of the enclosure. This process creates a partial vacuum allowing air to be drawn in through a PFA Exhaust Filter maintaining the same system airflow. Reverse Filterfans® can also be used in series with intake Filterfans® to increase airflow through the system.

Reverse flow Filterfans® are available for all models. Just add "A" to the model number when ordering. Consult factory for 11 digit part number.

PF SERIES

FILTERFANS 4.0 ™

Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY

PF 66000

- Airflow rate up to 462 CFM
- System of protection: NEMA type 12
- Cut-out dimensions: 292 x 292 mm



PF 66000 FILTERFANS®

Available voltages ± 10%	115 V, 230 V, 400 / 460 V
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
Service life L_{10} (+ 40 °C)	40,000 h
Weight	7 lb
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)
Noise level (EN ISO 3741)	64 dB (A)
Type of connection	spring-type terminal
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	160 W / 150 W / 155 W
Width x height x depth	12.6 x 12.6 x 6.18 in

System of protection (UL Listed)	NEMA type 12 - fluted filter
Filter mat quality class	G 4
Unimpeded airflow	462 CFM
Airflow rate in combination (PF + PFA 60.000)	295 CFM
Filtration efficiency	91%
Part no. * 115 V, Lt. Grey	11666154055
Part no. * 115 V, Black	11666154050
Part no. * 230 V, Lt. Grey	11666104055
Part no. * 230 V, Black	11666104050
Part no. * 400/460 V, Lt. Grey	11666024055
Part no. * 400/460 V, Black	11666024050
Part no. Spare part filter mats (5 pieces)	18611600037
Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

PF 67000

- Airflow rate up to 560 CFM
- System of protection: NEMA type 12
- Cut-out dimensions: 292 x 292 mm



PF 67000 FILTERFANS®

Available voltages ± 10%	115 V, 230 V, 400 / 460 V
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
Service life L_{10} (+ 40 °C)	40,000 h
Weight	8.16 lb
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)
Noise level (EN ISO 3741)	66 / 69 dB (A)
Type of connection	spring-type terminal
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	195 W / 200 W / 170 W
Width x height x depth	12.6 x 12.6 x 6.18 in

System of protection (UL Listed)	NEMA type 12 - fluted filter
Filter mat quality class	G 4
Unimpeded airflow	560 CFM
Airflow rate in combination (PF + PFA 60.000)	368 CFM
Filtration efficiency	91%
Part no. * 115 V, Lt. Grey	11667154055
Part no. * 115 V, Black	11667154050
Part no. * 230 V, Lt. Grey	11667104055
Part no. * 230 V, Black	11667104050
Part no. * 400/460 V, Lt. Grey	11667024055
Part no. * 400/460 V, Black	11667024050
Part no. Spare part filter mats (5 pieces)	18611600037
Part no. NEMA Type 3R Rainhood *	See page 27 for part no.

PF 67000 SL

- Airflow rate up to 427 CFM
- System of protection: NEMA type 12
- Cut-out dimensions: 292 x 292 mm



PF 67000 SL SLIM LINE FILTERFANS®

Available voltages ± 10%	115 V, 230 V, 400 / 460 V
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
Service life L_{10} (+ 40 °C)	40,000 h
Weight	8.82 lb / 8.93 lb / 8.49 lb
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)
Noise level (EN ISO 3741)	69 dB (A)
Type of connection	spring-type terminal
Bearing type	ball bearing
Approvals	UL, cUL, CE, (on request: GOST)
Power consumption	165 W / 180 W / 165 W
Width x height x depth	12.6 x 12.6 x 5.27 in

System of protection (UL Listed)	NEMA type 12 - fluted filter
Filter mat quality class	G 4
Unimpeded airflow	427 CFM
Airflow rate in combination (PF + PFA 60.000)	342 CFM
Filtration efficiency	91%
Part no. * 115 V, Lt. Grey	11677154055
Part no. * 115 V, Black	11677154050
Part no. * 230 V, Lt. Grey	11677104055
Part no. * 230 V, Black	11677104050
Part no. * 400/460 V, Lt. Grey	16677124055
Part no. * 400/460 V, Black	16677124050
Part no. Spare part filter mats (5 pieces)	18611600037
Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

*Consult factory for additional options

DID YOU KNOW?

Pfannenberg's Filterfans 4.0™ were developed and optimized after more than 1,000 tests in our modern test laboratory. Our engineers use specially designed climate chambers to test and measure the capabilities of our thermal management products.



PTF SERIES

ROOF MOUNT FILTERFANS®

PTF 60500

- Airflow rate up to 206 CFM
- Tool-less mounting, patented quick fastening system
- System of protection: NEMA type 12
- Cut-out dimensions: 292 x 292 mm



PTF 60500 ROOF MOUNT FILTERFANS®

Available voltages ± 10%	115 V, 230 V
Design (housing and protection against accidental contact)	sheet steel, cover powder-coated; snap-in housing made of injection-molded thermoplastic (ABS-FR) self-extinguishing, UL 94 VO
Service life L_{10} (+ 40 °C)	approx. 50,000 h
Weight	5.5 lb
Color	RAL 7035 (Lt. Grey)
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 24 W / 4 x 29 W

Width x Depth x Height	16.93 x 16.93 x 4.92	
Filter mat quality class	G 3	
Unimpeded airflow	206 CFM	
Airflow rate in combination (PF + PFA 60.000)	142 CFM	
Filtration efficiency	81%	0%
Part no. * (115 V)	11685151055	
Part no. Spare part filter mats (20 pieces)	18611600038	

PTF 60700

- Airflow rate up to 324 CFM
- Tool-less mounting, patented quick fastening system
- System of protection: NEMA type 12
- Cut-out dimensions: 292 x 292 mm



PTF 60700 ROOF MOUNT FILTERFANS®

Available voltages ± 10%	115 V, 230 V, 400 / 460 V
Design (housing and protection against accidental contact)	sheet steel, cover powder-coated; snap-in housing made of injection-molded thermoplastic (ABS-FR) self-extinguishing, UL 94 VO
Service life L_{10} (+ 40 °C)	approx. 40,000 h
Weight	5.8 lb
Color	RAL 7035 (Lt. Grey)
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	90 W / 80 W

Width x Depth x Height	18.5 x 18.5 x 5.51 in
Filter mat quality class	G 3
Unimpeded airflow	324 CFM
Airflow rate in combination (PF + PFA 60.000)	218 CFM
Filtration efficiency	81%
Part no. * (115 V)	11687152055
Part no. Spare part filter mats (20 pieces)	18611600039

PTF 61000

- Airflow rate up to 441 CFM
- Tool-less mounting, patented quick fastening system
- System of protection: NEMA type 12
- Cut-out dimensions: 292 x 292 mm



PTF 61000 ROOF MOUNT FILTERFANS®

Available voltages ± 10%	115 V, 230 V
Design (housing and protection against accidental contact)	sheet steel, cover powder-coated; snap-in housing made of injection-molded thermoplastic (ABS-FR) self-extinguishing, UL 94 VO
Service life L_{10} (+ 40 °C)	approx. 40,000 h
Weight	6 lb
Color	RAL 7035 (Lt. Grey)
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	160 W / 150 W

Width x Depth x Height	18.5 x 18.5 x 5.51 in
Filter mat quality class	G 3
Unimpeded airflow	441 CFM
Airflow rate in combination (PF + PFA 60.000)	294 CFM
Filtration efficiency	81%
Part no. * (115 V)	11681152055
Part no. Spare part filter mats (20 pieces)	18611600039

PTFA 60000

- Tool-less mounting, patented quick fastening system
- System of protection: NEMA type 12
- W x D x H: 16.93 x 16.93 x 4.92 in
- Cut-out dimensions: 292 x 292 mm



PTFA 60000 TOP MOUNT EXHAUST FILTERS

Design (housing and protection against accidental contact)	sheet steel, cover powder-coated; snap-in housing made of injection-molded thermoplastic (ABS-FR) self-extinguishing, UL 94 VO
Color	RAL 7035 (Lt. Grey)
Approvals	UL, cUL, CE, (on request: GOST)
Filter mat quality class	G 3
Part no. *	11786001055
Part no. Spare filter mats (20 pieces)	18611600038

*Consult factory for additional options

For additional technical data, drawings and templates. www.pfannenbergusa.com

PFA SERIES

EXHAUST FILTERS

Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY

PFA 10000

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 4.29 x 4.29 x .90 in
- Cut-out dimensions: 92 x 92 mm
- Color: RAL 7035 (Lt. Grey)
  RAL 9011 (Black)



PFA 10000 EXHAUST FILTERS	
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
Approvals	UL, cUL, CE, (on request: GOST)
System of protection (EN 60529 / UL Listed)	NEMA type 12 - standard filter
Filter mat quality class	G 3
Part no. *	11710001055 (Lt. Grey)
Part no. *	11710001050 (Black)
Part no. Spare filter mats (5 pieces)	18611600029
Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

PFA 20000

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 5.71 x 5.71 x 1.22 in
- Cut-out dimensions: 125 x 125 mm
- Color: RAL 7035 (Lt. Grey)
  RAL 9011 (Black)



PFA 20000 EXHAUST FILTERS	
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
Approvals	UL, cUL, CE, (on request: GOST)
System of protection (EN 60529 / UL Listed)	NEMA type 12 - fluted filter
Filter mat quality class	G 4
Part no. *	11720004055 (Lt. Grey)
Part no. *	11720004050 (Black)
Part no. Spare filter mats (5 pieces)	18611600034
Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

PFA 30000

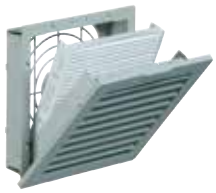
- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 7.95 x 7.95 x 1.57 in
- Cut-out dimensions: 177 x 177 mm
- Color: RAL 7035 (Lt. Grey)
  RAL 9011 (Black)



PFA 30000 EXHAUST FILTERS	
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
Approvals	UL, cUL, CE, (on request: GOST)
System of protection (EN 60529 / UL 50)	NEMA type 12 - fluted filter
Filter mat quality class	G 4
Part no. *	11730004055 (Lt. Grey)
Part no. *	11730004050 (Black)
Part no. Spare filter mats (5 pieces)	18611600035
Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

PFA 40000

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 9.92 x 9.92 x 1.74 in
- Cut-out dimensions: 223 x 223 mm
- Color: RAL 7035 (Lt. Grey)
  RAL 9011 (Black)



PFA 40000 EXHAUST FILTERS	
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
Approvals	UL, cUL, CE, (on request: GOST)
System of protection (EN 60529 / UL Listed)	NEMA type 12 - fluted filter
Filter mat quality class	G 4
Part no. *	11740004055 (Lt. Grey)
Part no. *	11740004050 (Black)
Part no. Spare filter mats (5 pieces)	18611600036
Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

PFA 60000

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 12.6 x 12.6 x 1.8 in
- Cut-out dimensions: 292 x 292 mm
- Color: RAL 7035 (Lt. Grey)
  RAL 9011 (Black)



PFA 60000 EXHAUST FILTERS	
Design (housing and protection against accidental contact)	made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
Approvals	UL, cUL, CE, (on request: GOST)
System of protection (EN 60529 / UL Listed)	NEMA type 12 - fluted filter
Filter mat quality class	G 4
Part no. *	11760004055 (Lt. Grey)
Part no. *	11760004050 (Black)
Part no. Spare filter mats (5 pieces)	18611600037
Part no. NEMA Type 3R/4/4X Rainhoods *	See page 27 for part no.

*Consult factory for additional options

DATAWIND FILTERFANS®

Externally Mounted Fans

Introducing our newest product the Datawind Filterfan®. This externally mounted Filterfan was designed for the new IT space, the manufacturing floor. As IT moves away from the clean rooms and closer to the manufacturing equipment, cooling requirements and equipment need to change. This new Datawind Filterfan® delivers the same advantages as our Filterfans 4.0, protecting your IT equipment in much dirtier manufacturing environments without sacrificing critical rack space.

DATAWIND FILTERFAN®

Designed to protect IT equipment in dirty manufacturing environments without sacrificing critical rack space.





Zero Protrusion Into The Enclosure
- Externally mounted, allowing for full use of all racks within the bays.

Maintenance Indication LED Light
- LED indicator warns when the temperature exceeds the desired temperature inside the cabinet.
- Indication of fan malfunction or clogged filter.

IEC Power Connector 6ft Cable (Located on center of fan to allow door to hinge in both directions)
- Fan side - IEC C13 plug with lock mechanism.
- Power side - NEMA 5-15P (115v) & IEC C14 (230v).

30° Sloped Top
- Designed to avoid dust collection and improve safety.

Cable to Adjustable Thermostat
- 13ft cable attached to an adjustable thermostat with DIN mounted bracket allowing fan to toggle on/off depending on cooling need. This feature extends both fan and filter lives.

Fits Existing Filterfan® Cutout
- Only need to drill mounting holes with power tools. Pre-existing 2.5" hole cut to allow pass through wiring.

Filterfan® 4.0 Benefits
- Design based on the Filterfan 4.0™ line to provide the same airflow as standard Filterfans® using a fluted filter mat with a 3x longer service life.
- The Datawind Filterfan® is also designed to be used with our existing PFA exhaust filters.

c UL us LISTED

CE

Datawind Filterfan

Part Number	Unimpeded CFM	Description	Replacement Filter Mat	Physical Dimensions W x H x D (inches)
18182000039	38	Datawind PF22000 115V RAL 9003	18611600034	6.8 x 9.4 x 2.8
18182000040	38	Datawind PF22000 115V RAL 9004	18611600034	6.8 x 9.4 x 2.8
18182000041	38	Datawind PF22000 230V RAL 9003	18611600034	6.8 x 9.4 x 2.8
18182000042	38	Datawind PF22000 230V RAL 9004	18611600034	6.8 x 9.4 x 2.8
18182000043	152	Datawind PF33000 SL 115V RAL 9003	18611600035	9.3 x 11.9 x 3.3
18182000044	152	Datawind PF33000 SL 115V RAL 9004	18611600035	9.3 x 11.9 x 3.3
18182000045	152	Datawind PF33000 SL 230V RAL 9003	18611600035	9.3 x 11.9 x 3.3
18182000046	152	Datawind PF33000 SL 230V RAL 9004	18611600035	9.3 x 11.9 x 3.3
18182000047	560	Datawind PF67000 115V RAL 9003	18611600037	14.9 x 17.5 x 5.5
18182000048	560	Datawind PF67000 115V RAL 9004	18611600037	14.9 x 17.5 x 5.5
18182000049	560	Datawind PF67000 230V RAL 9003	18611600037	14.9 x 17.5 x 5.5
18182000050	560	Datawind PF67000 230V RAL 9004	18611600037	14.9 x 17.5 x 5.5

For additional technical data, drawings and templates. www.pfannenbergusa.com

3R FILTERFANS®

Outdoor Series / NEMA 3R

Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY







Outdoor Weather Ready
Protection against ingress of falling dirt, and harmful effects on sensitive components against rain, sleet, snow and even external ice formation. (NEMA 3R rating)

Optimized Air Flow
Louvers design is optimized to provide maximal airflow while providing supreme ingress protection; combined with best in class fans produces improved air flow to prevent hotspot

Less Frequent Maintenance
The fluted filter-mat provides 3x longer service life, holding more dust before impeding airflow extending the mean time between maintenance (MTBM) for outdoor enclosure; especially, critical for those locate in remote area.

Low Initial Investment
Traditional outdoor solution requires installation of a metal hood (rainhood) over the filter fan. The Outdoor Rated Filterfan® (NEMA 3R) eliminates the component and labor cost, and the patented tool-free installation reduces up front investment.

Prolong Life
UV resistance plastic to prevent premature degradation from direct sunlight

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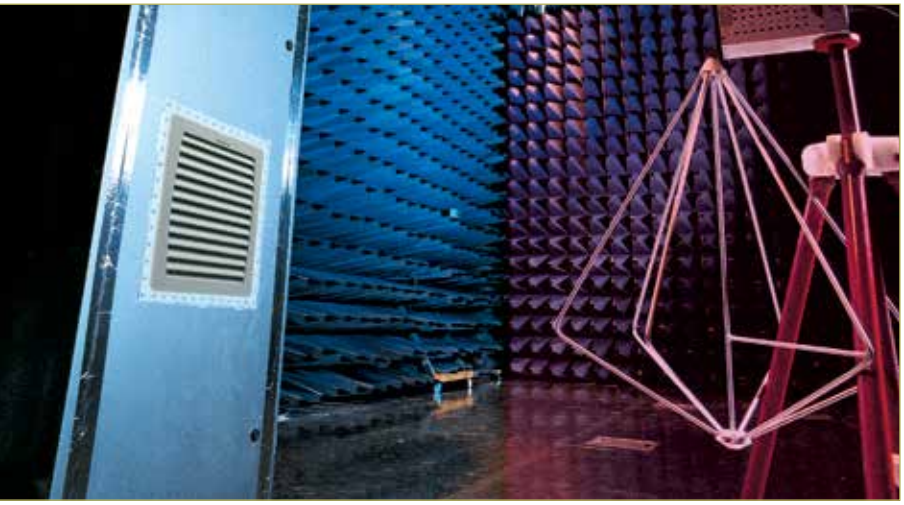
PF Series Filterfans® 4.0 - Outdoor Rated (NEMA 3R)

Type	Voltage	Air Flow Rate		Physical Dimensions W x H x D (inches)	Cutout Dimension W x H inches (mm)	Part No.	
		CFM² (Unimpeded - Filterfan assembly uninstalled)	CFM³ (Installed with one FilterFan and one Exhaust Filter)			Black (RAL 9011)	Light Grey (RAL 7035)
PF 22000 R	115 VAC	38 cfm	28 cfm	5.71 x 5.71 x 2.76	4.92 x 4.92 (125 x 125)	11622153110	11622153115
PF 22000 R	230 VAC					11622103110	11622103115
PF 22000 R	24 VDC					11622803110	11622803115
PF 32000 R	115 VAC	65 cfm	38 cfm	7.95 x 7.95 x 3.66	6.97 x 6.97 (177 x 177)	11632153110	11632153115
PF 32000 R	230 VAC					11632103110	11632103115
PF 32000 R	24 VDC					11632803110	11632803115
PF 42500 R	115 VAC	94 cfm	74 cfm	9.92 x 9.92 x 4.05	8.78 x 8.78 (223 x 223)	11642153110	11642153115
PF 42500 R	230 VAC					11642103110	11642103115
PF 42500 R	24 VDC					11642803110	11642803115
PF 43000 R	115 VAC	155 cfm	122 cfm	9.92 x 9.92 x 4.69	8.78 x 8.78 (223 x 223)	11643153110	11643153115
PF 43000 R	230 VAC					11643103110	11643103115
PF 43000 R	24 VDC					11643803110	11643803115
PF 65000 R	115 VAC	297 cfm	224 cfm	12.6 x 12.6 x 6.18	11.49 x 11.49 (292 x 292)	11665153110	11665153115
PF 65000 R	230 VAC					11665103110	11665103115
PF 66000 R	115 VAC	462 cfm	295 cfm	12.6 x 12.6 x 6.18	11.49 x 11.49 (292 x 292)	11666153110	11666153115
PF 66000 R	230 VAC					11666103110	11666103115
PF 66000 R	460 VAC					11666023110	11666023115
PF 67000 R	115 VAC	560 cfm	368 cfm	12.6 x 12.6 x 6.18	11.49 x 11.49 (292 x 292)	11667153110	11667153115
PF 67000 R	230 VAC					11667103110	11667103115
PF 67000 R	460 VAC					11667023110	11667023115
PFA Series Exhaust Filters - Outdoor Rated (NEMA 3R)							
PFA 20000 R	-	-	-	5.71 x 5.71 x 1.22	4.92 x 4.92 (125 x 125)	11720003110	11720003115
PFA 30000 R	-	-	-	7.95 x 7.95 x 1.57	6.97 x 6.97 (177 x 177)	11730003110	11730003115
PFA 40000 R	-	-	-	9.92 x 9.92 x 1.74	8.78 x 8.78 (223 x 223)	11740003110	11740003115
PFA 60000 R	-	-	-	12.6 x 12.6 x 1.8	11.49 x 11.49 (292 x 292)	11760003110	11760003115

PF / PFA EMC SERIES

EMC FILTERFANS 4.0™ / EXHAUST FILTERS

Protect your sensitive electronics from electromagnetic interference when cooling with Filterfans®. The use of a Filterfan® for thermal management requires an opening to be cut into the cabinet. These openings can allow electromagnetic radiation to pass in or out unhindered. **Pfannenberg's EMC Filterfans® offer the widest range of protection against electromagnetic interference**. We offer several combinations of EMC Filterfans® and exhaust filters for air flow rates from 17 to 560 CFM2. To better protect the environment, our EMC Filterfans® and exhaust filters do not use metalized plastics, because these are difficult to recycle.



EMC – Electromagnetic Compatibility

In standards, electromagnetic compatibility, or 'EMC' for short, is defined as the ability of a component, device or system to function satisfactorily under the influence of electromagnetic fields in its surroundings, without influencing its surroundings, to which other electrical equipment also belongs, in an impermissible way. We guarantee that our EMC shielded Filterfans® provide protection against electromagnetic interference by ensuring continuity between the shielding part of the fan and the metal structure of the cabinet based on the attenuation characteristics below:

Attenuation at 30 MHz approx. 71 dB

Attenuation at 400 MHz approx. 57 dB

Measured in accordance with EN 50 147-1 (1996): absorber rooms, part 1, measurement of screening attenuation.

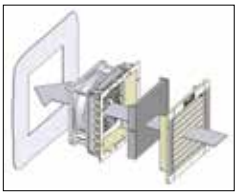
Type	Part Number	Replacement Filter Mat	Air Flow Rate CFM2 (Type 12 / IP 54)	Air Flow Rate CFM2 (Type 12 / IP 55)	Rated voltage	Cut-out dimensions (HxW)³ inches (mm)	Approvals			
							UL	cUL	GOST	CE
PF Series EMC Filterfans 4.0™										
PF 11000 EMC	11811151055 115 V, LT. Grey	18611600029	17	-	115V, 230V, 24 VDC	3.66 x 3.66 (93 x 93)	●	●	●	●
PF 22000 EMC	11822153055 115 V, LT. Grey	18611600034	-	38		4.96 x 4.96 (126 x 126)	●	●	●	●
PF 32000 EMC	11832153055 115 V, LT. Grey	18611600035	-	65		7.01 x 7.01 (178 x 178)	●	●	●	●
PF 42500 EMC	11842153055 115 V, LT. Grey	18611600036	-	94		8.82 x 8.82 (224 x 224)	●	●	●	●
PF 43000 EMC	11843153055 115 V, LT. Grey	18611600036	-	155		8.82 x 8.82 (224 x 224)	●	●	●	●
PF 65000 EMC	11865153055 115 V, LT. Grey	18611600037	-	297	115V, 230V	11.50 x 11.50 (292 x 292)	●	●	●	●
PF 66000 EMC	11866153055 115 V, LT. Grey	18611600037	-	462		11.50 x 11.50 (292 x 292)	●	●	●	●
PF 67000 EMC	11867153055 115 V, LT. Grey	18611600037	-	560	115V, 230V, 400/460 V	11.50 x 11.50 (292 x 292)	●	●	●	●
PFA Series EMC Exhaust Filters										
PFA 10000 EMC	11910001055 (Lt. Grey)	18611600029	N/A	N/A	N/A	3.66 x 3.66 (93 x 93)	●	●	●	●
PFA 20000 EMC	11920003055 (Lt. Grey)	18611600034				4.96 x 4.96 (126 x 126)	●	●	●	●
PFA 30000 EMC	11930003055 (Lt. Grey)	18611600035				7.01 x 7.01 (178 x 178)	●	●	●	●
PFA 40000 EMC	11940003055 (Lt. Grey)	18611600036				8.82 x 8.82 (224 x 224)	●	●	●	●
PFA 60000 EMC	11960003055 (Lt. Grey)	18611600037				11.50 x 11.50 (292 x 292)	●	●	●	●



Superior metal shielding

Unequaled worldwide: contact surfaces without beryllium-copper seal!

Contact springs



No elaborate reworking of the cut-out

- No adhering of copper tape or similar aids
- No time-consuming scratching off of coatings in order to ensure a good contact
- Contact is made via the cut edge of the cut-out for the Filterfans® or exhaust filter

For additional technical data, drawings and templates. www.pfannenbergusa.com

FILTERFAN® RAINHOODS

NEMA 3R/4/4X/IPx6 WASHDOWN RAINHOODS

Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY



SANITARY RAINHOOD

Pfannenberg offers a specialty 4X stainless steel rainhood to meet the FDA compatible requirements found in Food & Beverage Manufacturing Facilities.



Easy Installation
The mounting bracket can easily be installed to the enclosure around the existing cut-out.

Easy Maintenance
Easily remove the rain hood without tools for maintenance and filter mat replacement. (Optional tamper resistant fasteners available to eliminate unauthorized access)

Rugged Steel Construction
Powder coated or stainless steel cover designed for manufacturing environments. Easily painted to match enclosure or machine.

FDA Compatible White Gasket Design
Our white gasket design is ideal for Rainhoods that are used on enclosures in Food & Beverage applications. This gasket allows for easy detection of any contamination and is free of potentially harmful color additives.

Maximized Airflow & Superior Overspray Protection
Direct spray barrier allows for superior protection from overspray entering the cabinet, **while only reducing airflow <7%**.

NEMA Type 3R/4/4X / IPx6 Design:
This mounting system was designed to ensure a proper NEMA Type rating and protection when used with Pfannenberg Filterfans® and exhaust filters.

Compatible with Existing Fan Cutouts
Rainhoods come in different sizes and are designed to be compatible with existing Pfannenberg Filterfans® and Exhaust Filters.

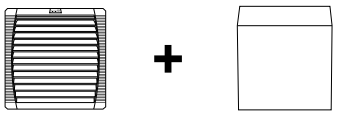
Robust Sealing Against Enclosure
A primary design element found within our rainhoods is the robust sealing of our gasket. Our gasket features multiple seal dams with a high compression ratio and dense closed cell material. This gasket is found in both our regular and sanitary designs.

Easy Washdown and Disinfection
With a smooth, clean and seamless design, Pfannenberg Rainhoods allow for easy washdown and disinfection. Direct spray barrier design allows for superior protection from overspray entering the cabinet while minimizing airflow loss.

NEMA Type 3R, 4, 4X Rated / IPx6 Rating

c UL us LISTED

INDUSTRY'S FIRST UL LISTED RAINHOOD SOLUTION



= c UL us LISTED

ENVIROMENTALLY RATED ENCLOSURE ACCESSORY SOLUTION
Based on FTTA.E489500

This technique will not prevent hazardous gases or humidity from entering the cabinet.

NEMA Type 3R/4/4X / IPx6 Series Rainhoods for Filterfans®

Model Numbers	Description	Compatibility	Part Number
PF-RH-20000-WD-LG	Rainhood, Lt Grey RAL 7035, NEMA Type 3R/4	PF 22000 Filterfans® PFA 20000 Exhaust Filters	18182000010
PF-RH-20000-WD-GY	Rainhood, Grey ANSI 61, NEMA Type 3R/4		18182000009
PF-RH-20000-WD-SS	Rainhood, 304 SS NEMA Type 4/4X		18182000011
PF-SH-20000-WD-SS	Sanitary Hood SS NEMA Type 4/4X (White FDA Gasket)		18182000026
PF-RH-30000-WD-LG	Rainhood, Lt Grey RAL 7035, NEMA Type 3R/4	PF 3X000 Filterfans® PFA 30000 Exhaust Filters	18182000013
PF-RH-30000-WD-GY	Rainhood, Grey ANSI 61, NEMA Type 3R/4		18182000012
PF-RH-30000-WD-SS	Rainhood, 304 SS NEMA Type 4/4X		18182000014
PF-SH-30000-WD-SS	Sanitary Hood SS NEMA Type 4/4X (White FDA Gasket)		18182000027
PF-RH-40000-WD-LG	Rainhood, Lt Grey RAL 7035, NEMA Type 3R/4	PF 4XX00 Filterfans® PFA 40000 Exhaust Filters	18182000016
PF-RH-40000-WD-GY	Rainhood, Grey ANSI 61, NEMA Type 3R/4		181820000015
PF-RH-40000-WD-SS	Rainhood, 304 SS NEMA Type 4/4X		18182000017
PF-SH-40000-WD-SS	Sanitary Hood SS NEMA Type 4/4X (White FDA Gasket)		18182000028
PF-RH-60000-WD-LG	Rainhood, Lt Grey RAL 7035, NEMA Type 3R/4	PF 6XX00 Filterfans® PFA 60000 Exhaust Filters	18182000019
PF-RH-60000-WD-GY	Rainhood, Grey ANSI 61, NEMA Type 3R/4		18182000018
PF-RH-60000-WD-SS	Rainhood, 304 SS NEMA Type 4/4X		18182000020
PF-SH-60000-WD-SS	Sanitary Hood SS NEMA Type 4/4X (White FDA Gasket)		18182000029

