

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.

PF SERIES

FILTERFANS 4.0™



PF 42500

- Airflow rate up to 94 CFM
- System of protection IP 55, 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 50)	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)	42,500 h / 40,000 h / 70,000 h (DC)	Unimpeded airflow	94 CFM
Weight	3 lb / 2 lb (DC)	Airflow rate in combination (PF + PFA 40.000)	74 CFM
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)	Filtration efficiency	91%
Noise level (EN ISO 3741)	43 dB (A)	Part no. * 115 V, Lt. Grey	11642154055
Type of connection	spring-type terminal	Part no. * 115 V, Black	11642154050
Bearing type	ball bearing	Part no. * 230 V, Lt. Grey	11642104055
Approvals	UL, cUL, CE, (on request: GOST)	Part no. * 230 V, Black	11642104050
Power consumption	17 W / 4.7 W (DC)	Part no. * 24 VDC, Lt. Grey	11642804055
Width x height x depth	9.92 x 9.92 x 4.05 in	Part no. * 24 VDC, Black	11642804050
System of protection (EN 60529)	IP 55	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 IP 55, 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 50)	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	155 CFM
Weight	3.68 lb / 3.33 lb (DC)	Airflow rate in combination (PF + PFA 40.000)	122 CFM
Color	RAL 7035 (Lt. Grey) RAL 9011 (Black)	Filtration efficiency	91%
Noise level (EN ISO 3741)	46 dB (A) / 42 dB (A) (DC)	Part no. * 115 V, Lt. Grey	11643154055
Type of connection	spring-type terminal	Part no. * 115 V, Black	11643154050
Bearing type	ball bearing	Part no. * 230 V, Lt. Grey	11643104055
Approvals	UL, cUL, CE, (on request: GOST)	Part no. * 230 V, Black	11643104050
Power consumption	40 W / 39 W / 12 W (DC)	Part no. * 24 VDC, Lt. Grey	11643804055
Width x height x depth	9.92 x 9.92 x 4.69 in	Part no. * 24 VDC, Black	11643804050
System of protection (EN 60529)	IP 55	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. Pfannenber's specially treated IP55 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.

