

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 11000

- Airflow rate up to 17 CFM
- System of protection IP 54, 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 50)	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
System of protection (EN 60529)	IP 54	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 IP 55, 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 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 / 37,500 h / 62,500 h (DC)	Unimpeded airflow	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
System of protection (EN 60529)	IP 55	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



DID YOU KNOW?

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

Pfannenber'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.



Energy Savings Solution

FLZ Series Thermostats

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