

# Competence advantage in the 4<sup>th</sup> Generation

## Filterfans

You can save energy, resources and valuable time through the use of Pfannenberg's 4<sup>th</sup> Generation Filterfans.

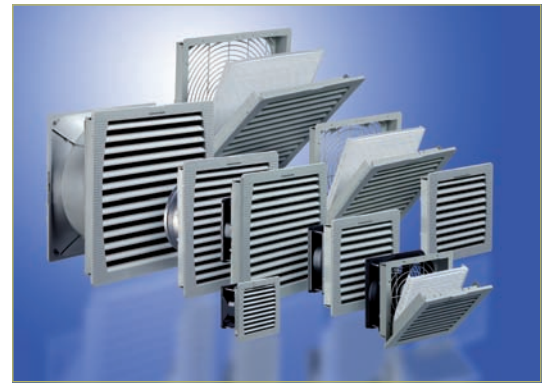
Over and above that, they provide for more reliability in the production process, because the innovative filterfans and filter mats from the 4<sup>th</sup> Generation enable an increase in the air flow of over 100% (protection class IP 55), leading to expanded operating life that is several times longer and thus to longer service intervals.

Practical tests under the toughest conditions in the woodworking industry showed that service intervals were prolonged by one to two and sometimes even three weeks. In addition, the mounting and service-friendliness of the filterfans was confirmed, also for cleaning by means of compressed air and dispensing with the bothersome cutting to size of filter mats.

Using a combination of filterfans with thermostats and hygrostats from the FLZ series (see page 188), you can additionally achieve savings on energy, materials and time plus a significantly longer life span. This results in an optimised environmental balance as well as greater reliability of your production process.

## 4<sup>th</sup> Generation from the inventor of the Filterfan

With the 4<sup>th</sup> Generation, our company can look back on 50 years of very successful development and marketing of filterfans. As early as 1958, Otto Pfannenberg developed the world's first filterfan, which today is still considered to be the '1<sup>st</sup> Generation' and the model for all subsequent filterfans worldwide. This was the beginning of industrial thermal management for the electrical enclosure.



## The extra service-friendly Filterfan

The 4<sup>th</sup> Generation of the Pfannenberg Filterfan offers an enormous degree of service, mounting and maintenance-friendliness due to:



### Toolless mounting

- fastening without screws
- patented 4-corner latching



### Faster filter mat replacement

- patented hinge system for simplest possible handling
- easily insert filter mat



### Installation compatibility

- cut-out compatible with older filterfan generations
- ability to be mounted in rows matched to customer application



### Modular structure

- variable airflow direction
- toolless mounting of accessories and additional components



### Easier, variable electrical connection

- more secure, faster connection using spring-type terminals
- optimum adaptation to electronic assembly concepts

# All 4<sup>th</sup> Generation Filterfans at a glance

Type	Airflow rate <sup>1</sup> IP 54 / IP 55	Rated voltage	Cut-out dimensions (HxW) <sup>2</sup>	Approvals					Page
				UR	cUL	GOST	CSA	CE	
<b>PF series Filterfans</b>									
PF 11.000	25 / - m³/h	115 V / 230 V AC 12 V / 24 V / 48 V DC	92 x 92 mm	●	●	●		●	130
PF 22.000	61 / 56 m³/h	115 V / 230 V AC 12 V / 24 V / 48 V DC	125 x 125 mm	●	●	●		●	132
PF 32.000	110 / 100 m³/h	115 V / 230 V AC 12 V / 24 V / 48 V DC	177 x 177 mm	●	●	●		●	134
PF 42.500	156 / 145 m³/h	115 V / 230 V AC 12 V / 24 V / 48 V DC	223 x 223 mm	●	●	●		●	136
PF 43.000	256 / 233 m³/h	115 V / 230 V AC 12 V / 24 V / 48 V DC	223 x 223 mm	●	●	●		●	138
PF 65.000	480 / 505 m³/h	115 V / 230 V AC	291 x 291 mm	●	●	●		●	140
PF 66.000	640 / 770 m³/h	400 V / 460 V 3 ~ 115 V / 230 V AC	291 x 291 mm	●	●	●		●	142
PF 67.000	845 / 925 m³/h	400 V / 460 V 3 ~ 115 V / 230 V AC	291 x 291 mm	●	●	●		●	144
<b>PFA series exhaust filters</b>									
PFA 10.000			92 x 92 mm	●	●	●		●	170
PFA 20.000			125 x 125 mm	●	●	●		●	170
PFA 30.000			177 x 177 mm	●	●	●		●	170
PFA 40.000			223 x 223 mm	●	●	●		●	170
PFA 60.000			291 x 291 mm	●	●	●		●	170
<b>PF Slim Line Filterfans</b>									
PF 65.000 SL	500 m³/h	115 V / 230 V AC	291 x 291 mm	●	●	●		●	146
PF 67.000 SL	705 m³/h	400 V / 460 V 3 ~ 115 V / 230 V AC	291 x 291 mm	●	●	●		●	148
<b>PF series EMC Filterfans</b>									
PF 11.000 EMC	as for PF series	as for PF series	93 x 93 mm	●	●	●		●	150
PF 22.000 EMC			126 x 126 mm	●	●	●		●	152
PF 32.000 EMC			178 x 178 mm	●	●	●		●	154
PF 42.500 EMC			224 x 224 mm	●	●	●		●	156
PF 43.000 EMC			224 x 224 mm	●	●	●		●	158
PF 65.000 EMC			292 x 292 mm	●	●	●		●	160
PF 66.000 EMC			292 x 292 mm	●	●	●		●	162
PF 67.000 EMC			292 x 292 mm	●	●	●		●	164
<b>PFA series EMC exhaust filters</b>									
PFA 10.000 EMC			93 x 93 mm	●	●	●		●	170
PFA 20.000 EMC			126 x 126 mm	●	●	●		●	170
PFA 30.000 EMC			178 x 178 mm	●	●	●		●	170
PFA 40.000 EMC			224 x 224 mm	●	●	●		●	170
PFA 60.000 EMC			292 x 292mm	●	●	●		●	170
<b>PTF series top-mounted Filterfans – Filterfans for top mounting</b>									
PTF 60.500	500 / 350 m³/h	115 V / 230 V AC	291 x 291 mm	●	●	●		●	168
PTF 60.700	700 / 550 m³/h	115 V / 230 V AC	291 x 291 mm	●	●	●		●	168
PTF 61.000	1000 / 750 m³/h	115 V / 230 V AC	291 x 291 mm	●	●	●		●	168
<b>PTFA series top exhaust filters</b>									
PTFA 60.000			291 x 291 mm	●	●	●		●	170

<sup>1</sup> free-blowing

<sup>2</sup> for material thicknesses up to 2 mm

● available  
○ pending



Further information can be found on the Internet:  
[www.pfannenberg.com](http://www.pfannenberg.com) · [www.pfannenberg-spareparts.com](http://www.pfannenberg-spareparts.com) · [www.filterfan.com](http://www.filterfan.com)  
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