



Thermal Management for Electrical Enclosures

# Safety against overheating, short circuit and fire.

Use original filter mats from Pfannenberg to  
protect your components.

## Pfannenberg inside

# Only the original guarantees safety.

The compliance with the specifications is crucial for your systems in daily operation. Unplanned downtime costs money and endanger the safety of man and machine. Therefore consider using only original filter mats from Pfannenberg.



## No compromises: filter class G4.

The quality of a filter medium is defined in classes and is determined by the size of the particles that can penetrate the filter.

The highest class that can be achieved by coarse dust filters in accordance with DIN EN 779 is **filter class G4**, in which **more than 90 % of all particles larger than 10 µm** are blocked.

Worth noting: Pfannenberg uses G4 class filter materials in most of its products.



For more details, product sizes and article numbers please visit

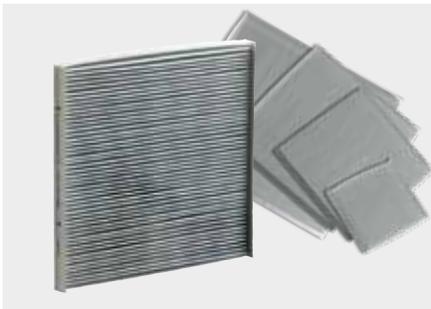
[www.pfannenberg.com/filtermats](http://www.pfannenberg.com/filtermats)

FILTER MEDIA	NO-NAME FLEECE FILTER MAT	PFANNENBERG FLEECE FILTER MAT	PFANNENBERG FLUTED FILTER MAT
Filtration class	max. G2-G3	G3-G4	G4 ++
Filtration efficiency	65-90 %	>90 %	>90 %
Coarse particles (e.g. wood chips)	•	•	•
Dust	•	•	•
Sand	•	•	•
Spray mist (e.g. paints)		•	•
Very fine particles (e.g. sawdust, cement)			•
Longer service life (up to 3x longer)			•

## Pfannenberg filter mats

# Do not risk your warranty.

Increasingly more machine builders combine their warranty with the consistent use of original filter mats for Pfannenberg fans.



### Pfannenberg fluted filter mats G4 ++. The best choice.

Maximum efficiency and economy even under the toughest conditions. Thanks to their patented folded structure, Pfannenberg G4 ++ fluted filter mats offer unique advantages:

- enlarged filter surface
- high airflow rate, with extra IP protection
- up to **3 times longer service life** compared to fleece filter mats (saving you time and cost during maintenance)



### Pfannenberg fleece filter mats G4. A safe solution.

Pfannenberg fleece filter mats G4 are the right filter medium for the majority of applications (IP 54). They guarantee reliable air filtration of various types of dust and

effectively protect the interior of the control cabinet against contamination. That's what sets us apart from no-name filter mats.



#### Pfannenberg inside – the advantages at a glance:

- Exact compliance with specifications
- 3 times longer service life (cost saving)
- Guarantee of the warranty
- All sizes available from stock

# The Pfannenberg group worldwide

Pfannenberg Europe GmbH  
Werner-Witt-Straße 1  
21035 Hamburg  
Germany

Phone: +49 40 73412 156  
Telefax: +49 40 73412 101  
E-Mail: [info@pfannenberg.com](mailto:info@pfannenberg.com)  
Web: [www.pfannenberg.com](http://www.pfannenberg.com)

Pfannenberg Austria, Otttnang am Hausruck  
Phone: +43 7676 50219  
Email: [info.austria@pfannenberg.com](mailto:info.austria@pfannenberg.com)

Pfannenberg Brazil, Indaiatuba  
Phone: +55 19 3935 7187  
Email: [info@pfannenberg.com.br](mailto:info@pfannenberg.com.br)

Pfannenberg China, Suzhou  
Phone: +86 512 6287 1078  
Email: [info@pfannenberg.cn](mailto:info@pfannenberg.cn)

Pfannenberg France, Rueil-Malmaison  
Phone: +33 1 4708 4747  
Email: [info@pfannenberg.fr](mailto:info@pfannenberg.fr)

Pfannenberg India, Chennai  
Phone: +91 44 69000697/98  
Email: [info@pfannenberg.in](mailto:info@pfannenberg.in)

Pfannenberg Italy, Fidenza (PR)  
Phone: +39 0524 516 711  
Email: [info@pfannenberg.it](mailto:info@pfannenberg.it)

Pfannenberg Poland, Warsaw  
Phone: +48 228907246  
Email: [info@pfannenberg.pl](mailto:info@pfannenberg.pl)

Pfannenberg Russia, St. Petersburg  
Phone: +7 812 612 8106  
Email: [info@pfannenberg.ru](mailto:info@pfannenberg.ru)

Pfannenberg Singapore, Singapore  
Phone: +65 6293 9040  
Email: [info@pfannenberg.com.sg](mailto:info@pfannenberg.com.sg)

Pfannenberg United Kingdom, Rotherham  
Phone: +44 1709 36 4844  
Email: [info@pfannenberg.co.uk](mailto:info@pfannenberg.co.uk)

Pfannenberg USA, N.Y.  
Phone: +1 716 685 6866  
Email: [info@pfannenbergusa.com](mailto:info@pfannenbergusa.com)

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