Thermal Management for Electrical Enclosures

Safety against overheating, short circuit and fire.

Use original filter mats from Pfannenberg to protect your components.
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.

No compromises: **filter class G4**.

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

For more details, product sizes and article numbers please visit [www.pfannenberg.com/filtermats](http://www.pfannenberg.com/filtermats)
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 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
- Guarantee of the warranty
- 3 times longer service life (cost saving)
- All sizes available from stock
Deliveries are made on the basis of the General Terms and Services of the ZVEI. Subject to technical amendments and misprints. This paper has been manufactured from chlorine-free bleached cellulose. 09/04/2018

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
Web: www.pfannenberg.com

Pfannenberg Austria, Ottnang am Hausruck
Phone: +43 7676 50219
Email: info.austria@pfannenberg.com

Pfannenberg Brazil, Indaiatuba
Phone: +55 19 3935 7187
Email: info@pfannenberg.com.br

Pfannenberg China, Suzhou
Phone: +86 512 6287 1078
Email: info@pfannenberg.cn

Pfannenberg France, Rueil-Malmaison
Phone: +33 1 4708 4747
Email: info@pfannenberg.fr

Pfannenberg India, Chennai
Phone: +91 44 6900697/98
Email: info@pfannenberg.in

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

Pfannenberg Poland, Warsaw
Phone: +48 228907246
Email: info@pfannenberg.pl

Pfannenberg Russia, St. Petersburg
Phone: +7 812 612 8106
Email: info@pfannenberg.ru

Pfannenberg Singapore, Singapore
Phone: +65 6203 9040
Email: info@pfannenberg.com.sg

Pfannenberg United Kingdom, Rotherham
Phone: +44 1709 36 4844
Email: info@pfannenberg.co.uk

Pfannenberg USA, N.Y.
Phone: +1 716 685 6866
Email: info@pfannenbergusa.com