**Application**

The Drop-In Biofilter of the EBF series is designed to treat odorous waste air from covered storage basins at wastewater treatment facilities or pump stations. The filter is suspended on a flange ring on the cover, treating the contaminated air of the enclosed system before it is released.

The EBF is mainly used as an inexpensive passive biofilter (without ventilator), and is readily upgradable at any time to an active biofilter by the addition of a ventilator. A controlled surface irrigation system is optional. Prerequisite for installation is a supporting ring in the cover of the diameter D1 and capability of supporting the given weight. Depending on the environmental conditions, the biofilter material lasts 3 to 7 years. The replacement of the filter material is easy and not expensive.

**Technical Data and Dimensions**

Materials with media contact: PE, PP, VA, PVC

Biofilter material: bioteg bpc BT-50 and bpc BT-100

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Weight (Kg)</th>
<th>Waste air D1 / D2 [m³/h]</th>
<th>H1 / H2 [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBF- 20</td>
<td>100</td>
<td>20 590</td>
<td>700 180</td>
</tr>
<tr>
<td>EBF- 30</td>
<td>120</td>
<td>30 790</td>
<td>900 200</td>
</tr>
<tr>
<td>EBF- 50</td>
<td>220</td>
<td>50 790</td>
<td>1000 200</td>
</tr>
<tr>
<td>EBF- 75</td>
<td>300</td>
<td>75 990</td>
<td>1100 230</td>
</tr>
<tr>
<td>EBF-100</td>
<td>410</td>
<td>100 1190</td>
<td>1100 240</td>
</tr>
<tr>
<td>EBF-150</td>
<td>590</td>
<td>150 1190</td>
<td>1300 240</td>
</tr>
<tr>
<td>EBF-200</td>
<td>900</td>
<td>200 1390</td>
<td>1500 250</td>
</tr>
<tr>
<td>EBF-300</td>
<td>1380</td>
<td>300 1490</td>
<td>1800 260</td>
</tr>
<tr>
<td>EBF-400</td>
<td>1720</td>
<td>400 1690</td>
<td>1800 270</td>
</tr>
</tbody>
</table>

Heigh H3 is the same for all types: approx. 350 mm

X-value = depth of drop-in = according to requirements

*Operational weight (wet and ready to use)

different sizes and design on request.

Technical adjustment reserved

**Key**

1. Filter container (a=PEHD; b=1.4571)
2. Detachable cover (a=PEHD; b=1.4571)
3. Filter material
4. Suspension ring with gasket (X according to requirements)
5. Ventilator cover (a=PEHD; b=1.4571)
6. Ventilator (a=ex-protection; b=no ex-protection)
7. Controlled surface irrigation system

Version “a” = standard / 2, 5b, 6 and 7 optional explosion protection available

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