MBF-Series

**Application**

The Bioteg Manhole Biofilter is a specially designed manhole insert which effectively removes odors from sewer manholes. Microorganisms in the filter media oxidize and remove the malodorous substances before they can reach the open air. The innovative mounting system allows fitting the biofilter into the manhole in a matter of seconds; it can also be easily removed for sewer system maintenance. HDPE and stainless steel construction ensures durable service life and minimal maintenance requirements. The Bioteg Manhole Biofilter presents an affordable and effective solution to unpleasant street-level sewer odors.

**MBF Specifications**

- **H₂S Concentration**: < 50 ppm
- **Removal Rate**: > 95%
- **Pressure Drop**: < 0.25 iwg

<table>
<thead>
<tr>
<th>Model</th>
<th>MH Dia.*</th>
<th>CFM</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBF-22</td>
<td>22”</td>
<td>5</td>
<td>24”</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>MBF-24</td>
<td>24”</td>
<td>5</td>
<td>24”</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>MBF-30</td>
<td>30”</td>
<td>8</td>
<td>24”</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>MBF-36</td>
<td>36”</td>
<td>12</td>
<td>24”</td>
<td>165 lbs.</td>
</tr>
</tbody>
</table>

**Advantages**

- Low Investment Cost
- Trouble-Free Operation
- Minimal Maintenance
- High Efficiency
- Quick and Easy Installation
- Long Lasting Media

**MBF Passive Biofilters**

Bioteg Passive Biofilters are an ideal and inexpensive solution to treat nuisance odors at the source anywhere in the collection system. All Bioteg Biofilters employ their proprietary bpc-Biomedia with an extremely low pressure drop, allowing their use as Passive Biofilters. The normal pressure in the sewer system forces the air through the biofilter, where microorganisms degrade the odorous substances. The Biomedia is self-regenerating and may therefore have a service life of up to 7 years. The spent media is not hazardous and can be easily replaced.

* Bioteg Manhole Biofilters can be designed to fit any size manhole. A completed M1 Measurement Form showing the existing manhole dimensions is required with every Purchase Order.