

LANDFILL GAS

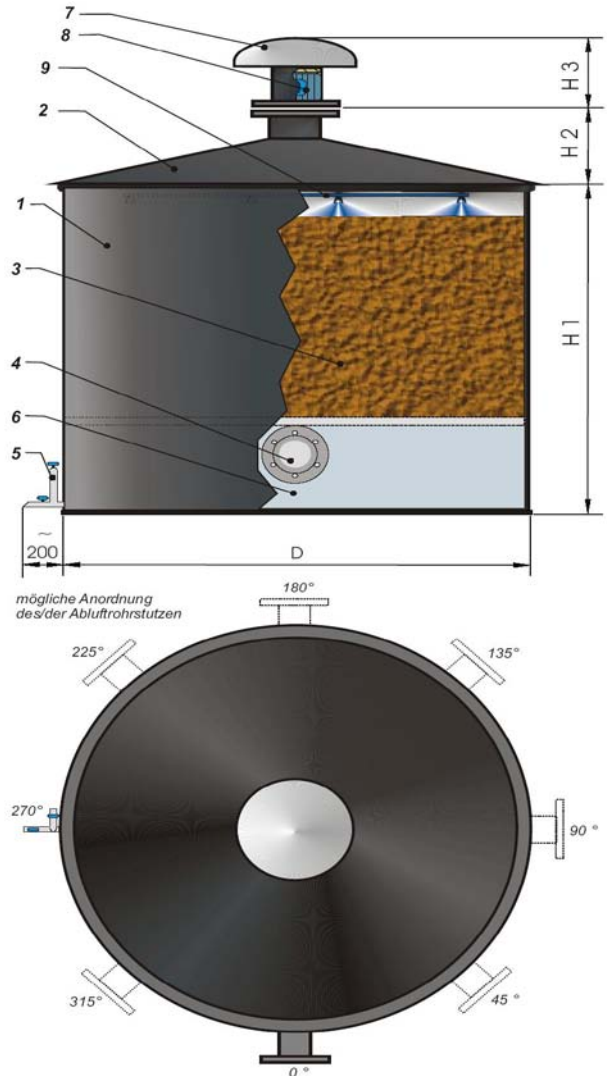
Stand Alone Biofilter

The Stand-Alone biofilter, with its compact design and long service life, can be applied to relieve a variety of different odor problems. Used in sewage treatment plants, landfill sites and sewage storage systems, but also in the food and chemical industry.

They are designed to treat airstreams from 20 to 500m³/hr. To adapt to higher airstreams of up to 2600 m³/hr, our Stand Alone biofilters can be run in a two to four unit arrangement.

These filters can be used as inexpensive passive biofilters, and are readily upgradeable to active biofilters, at any time, by the addition of a cover and a fan.

A controlled surface irrigation system is optional. Depending on the environmental conditions, the biofilter material lasts for 3 to 7 years. The replacement of the filter material is an easy and inexpensive process. The used biofilter material can be readily composted.



Technical Data and Measurements

Surfaces in contact with the contaminating media:
HDPE, PPs, PVC, stainless steel
 Biofilter Material: **bpcBT50, bpcBT100**

| TYPE | Weight ca. [Kg] | Air stream [m ³ /h] | D [mm] | H 1 /ca.H 2 [mm] |
|------|--------------------|-----------------------------------|-----------|---------------------|
| SR | 20 | 110 | 20 | 610 1000 180 |
| SR | 30 | 150 | 30 | 810 1000 200 |
| SR | 50 | 240 | 50 | 810 1200 200 |
| SR | 75 | 330 | 75 | 1100 1300 230 |
| SR | 100 | 450 | 100 | 1300 1300 240 |
| SR | 150 | 650 | 150 | 1300 1600 240 |
| SR | 200 | 990 | 200 | 1500 1600 250 |
| SR | 300 | 1450 | 300 | 1700 1600 260 |
| SR | 400 | 1800 | 400 | 2000 1600 270 |

H 3 for all types the same approximately 350 mm

Weight of biofilter ready for use
 Special dimensions on request.

Technical changes possible February 2005

Key

- 1) Filter Container (a=HDPE; b=stainless steel)
- 2) Detachable Cover (a=HDPE; b=stainless steel)
- 3) Filter Material
- 4) Connecting branch for Input Pipe
- 5) Siphon for drainage and condensate overflow
- 6) Air distributor (and condensate separator)
- 7) Ventilator Cover (a=HDPE; b=stainless steel)
- 8) Ventilator (a=with explosion protection;
b=without explosion protection)
- 9) Electronically controlled surface irrigation system

a is the standard version
 Number 2, 7b, 8 and 9 are optional extras
 Different materials and design upon request

Features:

- Modular design allows easy adaptation to dynamic airstreams
- High efficiency
- Compact design
- Solid construction
- Low investment costs
- Easy installation
- Trouble free operation
- Low maintenance
- Long service life
- No hazardous by products - used filter material can be readily composted
- Great versatility