

Application

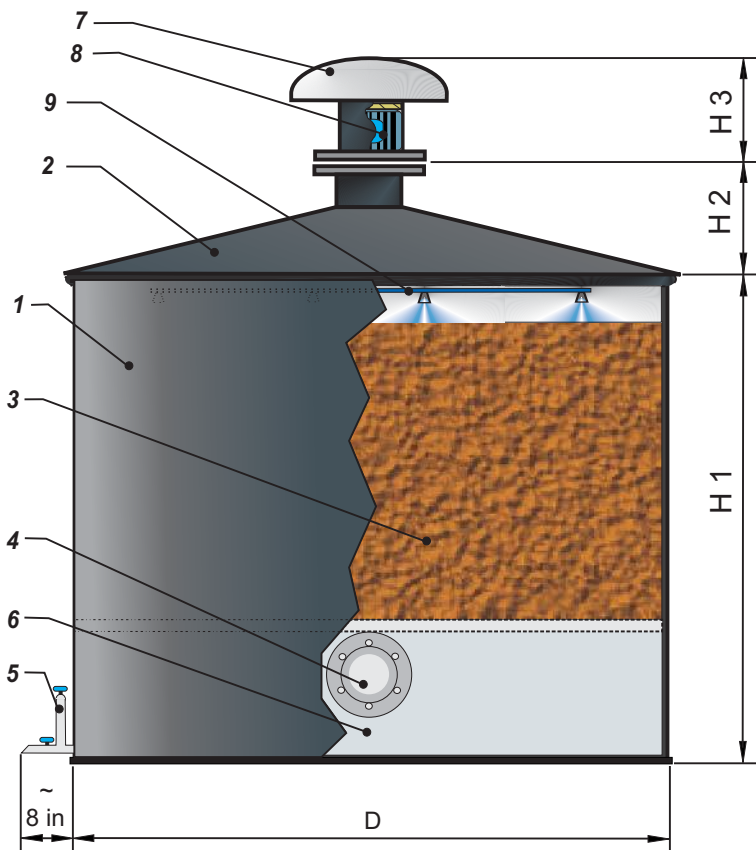
The Bioteg SRBF-Series Biofilter, with its compact design and long service life, can be applied to relieve a variety of different odor problems.

Applications for the Stand-Alone Biofilter include pump and lift stations, varied processes at wastewater treatment plants, landfills and the Food and Chemical Industry. They are designed to treat airstreams from 10 to 250 cfm.

The SRBF-Series Biofilters can be used as inexpensive passive biofilters (displacement method), or as active biofilters with a fan, an irrigation system and the necessary controls.

The active biofilter is designed to run automatically with very little maintenance requirements. HDPE and stainless steel construction ensures durable field life.

As with all Bioteg Biofilters, the SRBF-Series employs our proprietary bpc - Biomeia to provide up to seven years of effective odor removal. The replacement of the media is an easy and inexpensive process. The used biofilter material is not hazardous and can be readily composted.



- 1) Filter Container (HDPE; option: stainless steel)
- 2) Detachable Cover (HDPE; option: stainless steel)
- 3) Filter Material (Bioteg bpc-Biomeia)
- 4) Air Inlet Flange
- 5) Siphon for drainage and condensate overflow
- 6) Air distributor and condensate separator
- 7) Fan Cover (HDPE; option: stainless steel)
- 8) Fan (option: explosion proof)
- 9) Electronically controlled surface irrigation system

Number 7, 8 and 9 are optional extras for active use

Technical Data and Measurements

Surfaces in contact with the contaminating media:
HDPE, PPs, PVC, stainless steel
 Biofilter Material: **bioteg bpc-BT50, bpc-BT100**

Type	Weight*) approx.. [lbs]	Waste Air Stream [cfm]	D [in]	H 1 approximately [in]	H 2 [in]
SRBF- 12	240	12	24	39	7
SRBF- 18	300	18	32	39	8
SRBF- 30	530	30	32	47	8
SRBF- 45	730	45	43	51	9
SRBF- 60	990	60	51	51	9
SRBF- 90	1,430	90	51	63	9
SRBF-120	2,180	120	59	63	10
SRBF-180	3,200	180	69	63	10
SRBF-240	3,970	240	79	63	11

H 3 for all filters: approx. 14 inches

*) Weight: humidified and ready to use

Special sizes upon request

June 2000

Advantages

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

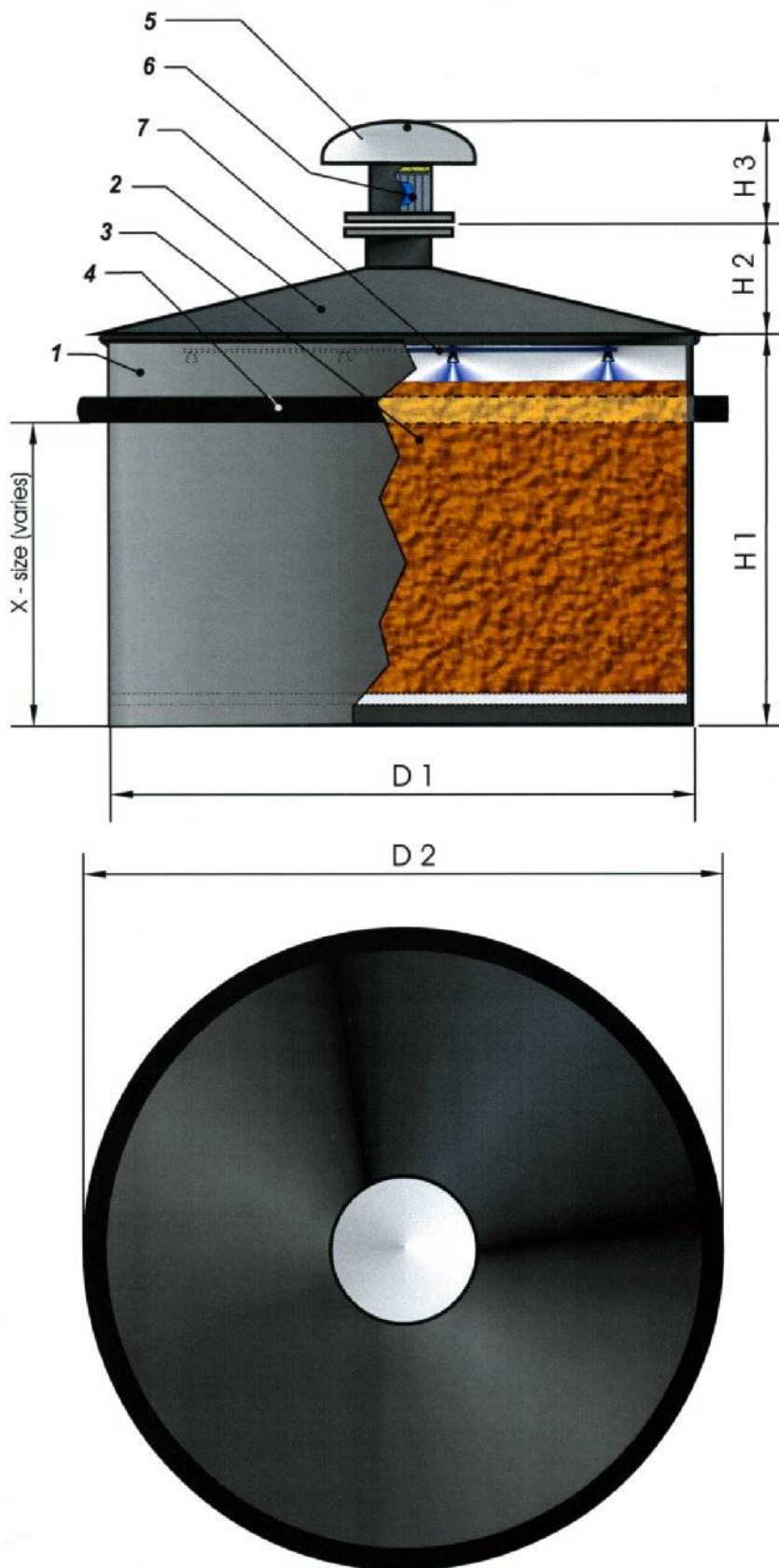


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Bioteg Drop-In Biofilter

EBF-Series



Application

The Drop-In Biofilter 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 Drop-In Biofilter is mainly used as an inexpensive **passive biofilter** (displacing method), and is readily upgradeable to an **active biofilter**, at any time, by the addition of a ventilator. A controlled surface irrigation system is optional.

A prerequisite for installation is a supporting ring in the cover, with diameter D1 and capable of supporting the given weight.

Depending on the environmental conditions, the biofilter material may last up to 7 years. The replacement of the filter material is an easy and inexpensive process. The used biofilter material can then be readily composted.

Technical Data and Measurements

Surfaces in contact with the contaminating media:

HDPE, PPs, PVC, stainless steel

Biofilter Material: **bioteg bpc-BT50, bpc-BT100**

Type	Weight* ¹ ca. [lbs]	Waste Air Stream [cfm]	D 1 / ca. [in]	D 2 ca. [in]	H 1 / ca. [in]	H 2 ca. [in]
EBF - 12	220	12	23	27	28	7
EBF - 18	265	18	31	35	35	8
EBF - 30	485	30	31	35	39	8
EBF - 45	660	45	39	43	43	9
EBF - 60	900	60	47	53	51	9
EBF - 90	1,300	90	47	53	51	9
EBF -120	1,985	120	55	61	59	10
EBF -180	3,045	180	59	65	71	10
EBF -240	3,790	240	67	72	71	11

H 3 for all filters: ca. 14 inches

X : Drop-In depth (according to requirements)

*¹ Weight: humidified and ready to use

Special sizes upon request

June 2000

Key

- 1) Filter Container (a=HDPE; b= stainless steel)
- 2) Detachable Cover (a=HDPE; b= stainless steel)
- 3) Filter Material
- 4) Suspension ring with gasket (X according to requirements)
- 5) Ventilator Cover (a=HDPE; b=stainless steel)
- 6) Ventilator (a= with explosion protection, b= without explosion protection)
- 7) Electronically controlled surface irrigation system

a is the standard version

Number 2, 5b, 6 and 7 are optional extras

Different materials and design upon request



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bioteg
Biofilter Systems