

Modular containerized biofilter



The modular containerized biofilter creates extra capacity of odour reduction in a biological and economical way. The biofilter is installed in a container and by stacking the containers a smaller footprint is realized. A complete and compact solution that offers integrated pollution prevention and control for the rendering industry. The biofilter technology is designed to treat malodorous compounds and water soluble volatile organic compounds via biofiltration: a process based on dissolving odorous compounds in water, followed by biological oxidation by the metabolic activities of microorganisms. The solvents are absorbed in the water film and processed by the microorganisms into biomass, water and a few acids.

Features:

- Comprehensive plug & play system
- Customizable capacity: tailor it to your specific needs.
- Robust construction
- User-friendly operation
- Durable filling material
- Rental option available:
- Optional electrical heater

Capacity:

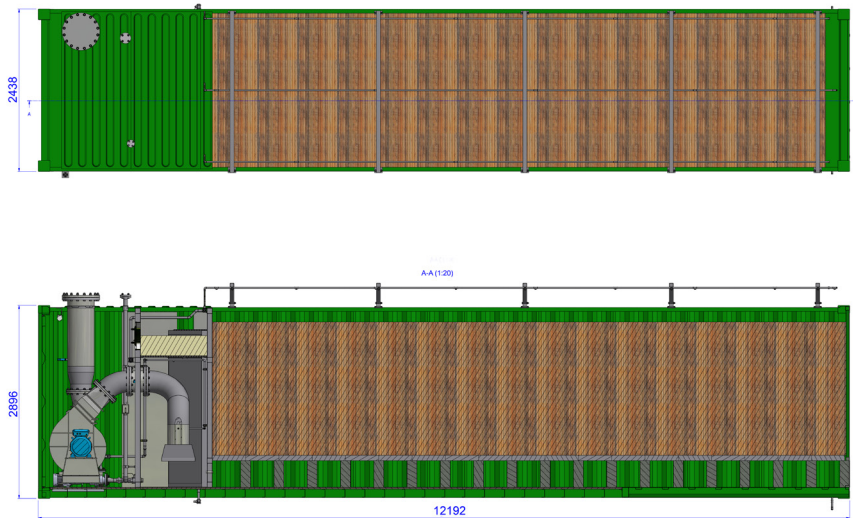
- Up to 7.000 m³/hr - 4120 ft³/min



Containerized biofilter stacked

MAVITEC

Modular containerized biofilter



40 ft Biofilter with 4mm heavy duty polyurea

The contaminated air is moistened by an humidification system and passes through a matrix (biomass), in which micro-organisms are able to decompose the pollutants. The foul air is blown into the biological filter, into an air humidifying chamber equipped with spraying system which recirculates the water. A smart hygrometer and thermometer monitor the conditions of the foul air, providing an optimum air moisture which is needed for trouble-free operation of the biofilter. The moistened air enters the biofilter, is evenly distributed and enters the filter media through an air permeable floor. In the filter the waste air is cleaned and will be discharged into the environment.

Advantages:

- Environmentally friendly: biological process, no need for harmful chemicals.
- Compact design: minimal space requirements.
- Flexibility: easily scale up capacity as your requirements grow.
- Reduced wastewater: minimizes environmental impact.
- Low maintenance: keep costs and downtime in check.
- Cost-efficient operation: save on operational expenses.
- EU-recognized Best Available Techniques (BAT): complies with EU standards.
- Upgrade compatibility: seamlessly integrate with your existing plant.

Please note that the data presented here is subject to change without notice due to ongoing product improvements.
For the most up-to-date specifications, we recommend contacting Mavitec B.V. directly.

MAVITEC

Maximize the value of your by-products!

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