



Just take advantage of our experience in these sectors:

Waste-treatment plants	Sludge drying plants
Waste-water treatment plants	Waste-water plants
Waste-water canalisation	Coffee roasting plants
Aromas production and extraction	Plastic production
Coating factories	Plastic recycling
Yeast manufacturing	Agriculture
Blood treatment factories	Food industry
Cooking plants	Solvent industry
Biogas plants	Luxury food industry
Grease production industries	Surface ennobling
Fish-meal production	Oil mills
Glass-fibre production	Paper industry
Gelatine production	Butchery systems
Foundries	Tobacco industry
Chicken-droppings drying plants	Animal carcasses disposal
	Pet food production
	Drying plants

Plants for the removal of VOC (Volatile Organic Compound) according to regulation 31. BImSchV

Belflor biofilter systems remove odorous compounds from waste air in a biological and ecofriendly way by using a natural process and creating excellent conditions for micro organisms in our biofilters. Thanks to specific micro-organisms contained in our filters, the water-soluble substances that can be removed in a microbiological way undergo an oxidation process and are thus removed without leaving any residuals. How does it work? The exhaust air is blown into the biofilter which is filled with our biofilter-material where populations of micro-organisms live. The odorous compounds are adsorbed on the surface of our filter-material and removed by the action of micro-organisms. Biofilter (catalyst) removal rate and functioning are directly proportional to the quality of filter-material, to the process conditions created applying the biofilter-technique, i.e. the biofilter plant.

"Ground biofilters"

"Ground biofilters" represent the most economical way to degrade very high waste air streams (> 5.000 m³/h and up to 500.000 m³/h).

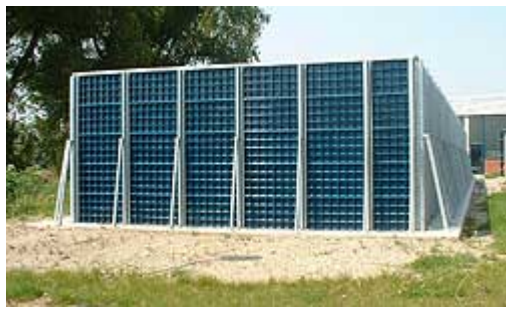
The necessary technical components (blowers, controls, measuring and regulation techniques) have to be designed according to the project. Moreover, biofilter-basins can be made in different ways and of several materials.



Low-cost ground biofilters...



... also endowed with cover



Several wall-colours available



Biofilters designed according to space needs



...with a special pre-treatment



...with external technique-box



Biofilters designed according to your company needs



... with technique-box



Biofilter gratings

Biofilter gratings have the task of uniformly diffusing up the airflow through the biofilter media.

For our biofilters we use gratings with the following characteristics:

- Guaranteed long lasting life
- Good air flow distribution
- Elevated load capacity
- Short installation times
- Low and simple maintenance

Available in various heights



Size flexibility



Easy installation

Plastic biofilter gratings



Good air-flow distribution