

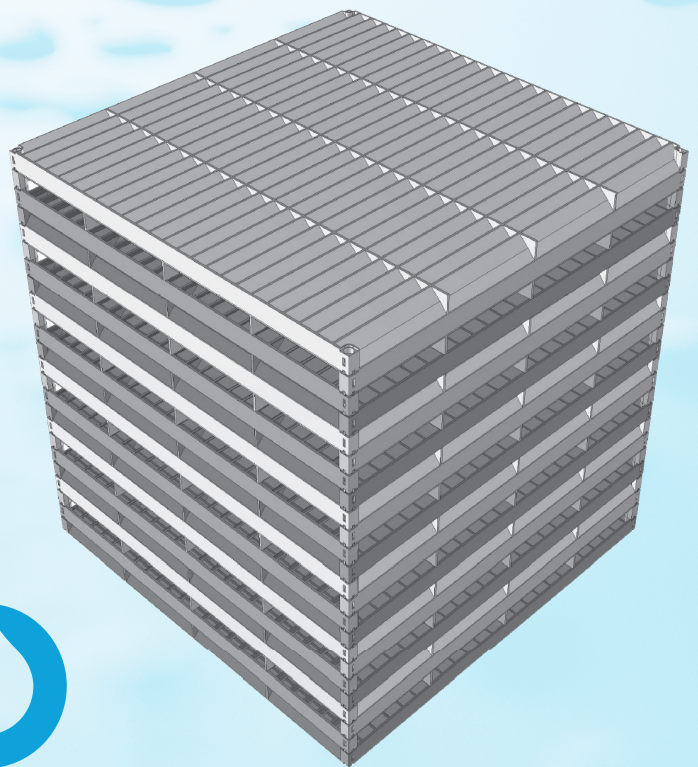
# NATANTIA®

## Biocube

NATANTIA® Biocube is an innovative percolation filter media developed by Bluemater.

It's assembled in a modular way, ready to be placed in existing or new percolation towers.

For an optimized operation we recommend to use it within Bluemater's SYCON® water Biological Tower.



**BLUEMATER**  
ECO-EFFICIENT SOLUTIONS

The NATANTIA® Biocube is an innovative percolation bed that allows high-quality biological treatment of landfill leachates, and industrial and domestic wastewaters. The biocube was designed to offer a maximum usable filtration area for biofilm fixation. The blades inside the cube ensure self-oxygenation and self-cleaning of the system. NATANTIA® biocubes can be installed in existing or new percolation towers, whether from BLUEMATER or from other operators. Biocubes should be implemented within Bluemater's SYCON®water biological towers, which have a prismatic configuration suitable for optimizing their performance.

## ADVANTAGES

- Biological treatment without chemicals
- Filtration area optimized for biofilm fixation
- High efficiency aerobic treatment
- Reduced required area
- Modular and easy to install

## TECHNICAL FEATURES

- Removal of COD, BOD<sub>5</sub> and nitrogen
- Allows modular integration of multiple cubes to fill percolation systems

## APPLICATIONS

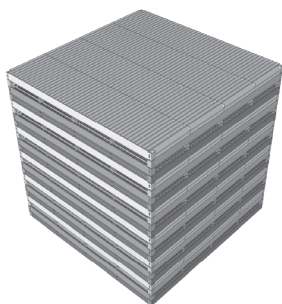
- Filling of the SYCON®water Biological Tower in the treatment of:
  - landfill leachate
  - industrial, domestic and municipal wastewater
- Upgrade of existing biological reactors
- Bioremediation of polluted waters
- Aquaculture

## MATERIAL

- Polypropylene
- Density: 0.95 g/cm<sup>3</sup>

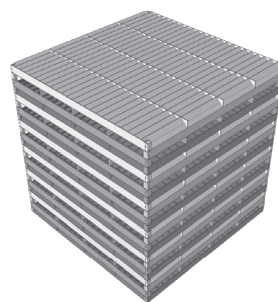
### Biocube 500N

- Dimensions: 50x50x50 cm
- 34,9 m<sup>2</sup>/biocube and 279,2 m<sup>2</sup>/m<sup>3</sup>
- 42,7 kg/biocube and 341,6 kg/m<sup>3</sup>



### Biocube 500L

- Dimensions: 50x50x50 cm
- 18,4 m<sup>2</sup>/biocube and 147,3 m<sup>2</sup>/m<sup>3</sup>
- 32,9 kg/biocube and 263,2 kg



### Biocube 100

- Dimensions: 10x10x10 cm
- 0,32 m<sup>2</sup>/biocube and 318,5 m<sup>2</sup>/m<sup>3</sup>
- 0,46 kg/biocube and 460 kg/m<sup>3</sup>



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