

# BMcompact WWTP

The BMcompact WWTP is built in GRP and it's based on the SYCON®compact Biological Tower, filled with the NATANTIA® Biocube, both Bluemater products.

It's a complete system with containerized primary screening and sludge dewatering, removing water pollutants such as ammonia, nitrites, phosphates, BOD<sub>5</sub> and COD.

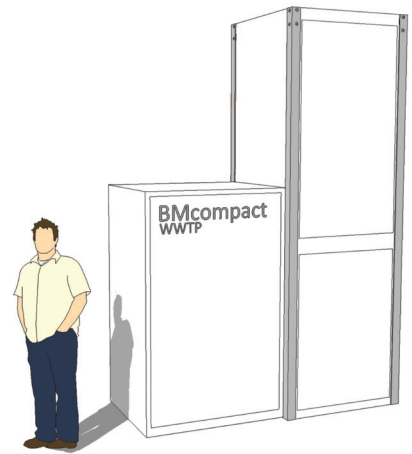
It presents a low power consumption and maintenance.



**BLUEMATER**  
ECO-EFFICIENT SOLUTIONS



The BMcompact WWTP is built on glass reinforced plastic (GRP) and is based on the SYCON®compact Biological Tower, filled with the NATANTIA® Biocube, both from Bluemater. It's a complete system with containerized primary screening and sludge dewatering that remove pollutants from water, such as BOD<sub>5</sub>, COD, ammonia, nitrites, phosphates and other pollutants. It has low power consumption and low maintenance. The effluent to be treated is pumped from a receiving tank or pumping well to the sieving and then flows gravely into the SYCON®compact biological tower. It may or may not have an anaerobic tank (depending on whether there is a septic tank or pre-equalization tank) and its ultra-compact dimensions allow transporting the entire system inside a single container. The SYCON®compact Biological Tower has integrated a lamellar decanter, so no posterior sludge decanting is required. The sludge is pumped out to a dewatering system incorporated in the WWTP or outdoor storage tank.



The flexibility is total!

## TECHNICAL FEATURES

- Construction: GRP
- Sludge screening and dewatering included
- Filling of the SYCON®water Biological Tower: NATANTIA® Biocube
- Flow rates: 15-150 m<sup>3</sup>/day
- Standard models (equivalent people): BMcompact WWTP 100; 250; 500; 1000
- Other custom-made models

## APPLICATIONS

- Wastewater treatment:
  - domestic
  - restaurants and hotels
  - condominiums
  - small industries
- May be part of other treatment solutions
- Replacement or upgrade of existing WWTPs
- Aquaculture



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