

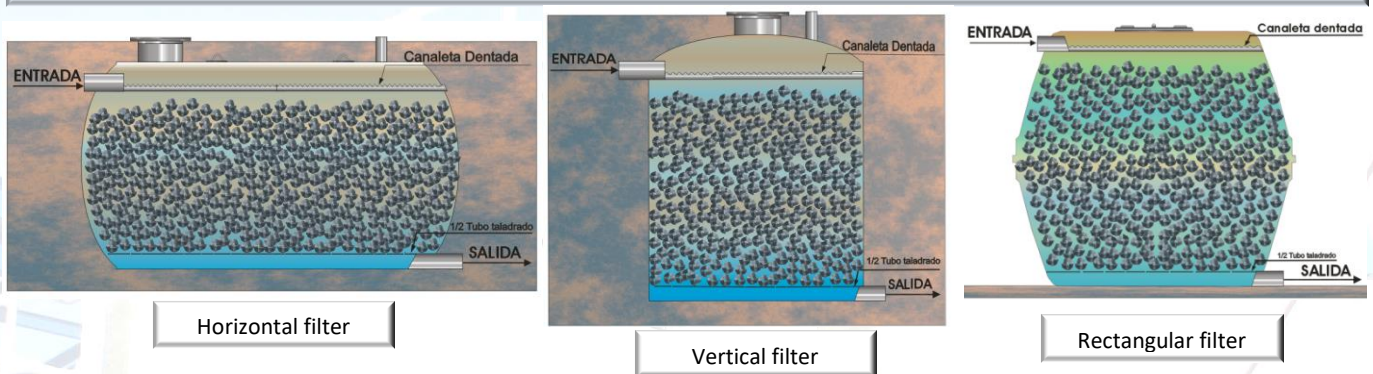
Biological filters

Description

Made of polyester reinforced with fiberglass (GRP), used to remove the organic matter found in the wastewater by means of a filtering material with a lot of contact surface, in which the bacteria that the dissolved organic matter drags into water, usually from septic tanks, and which are responsible for degrading it.

Types:

- **Horizontal.**
- **Vertical.**
- **Rectangular**



Characteristics

- Completely smooth interiors rich in polyester that allow a perfect evacuation and great chemical resistance to the different products to be stored.
- Percentage of Fiberglass from 55 to 60%, for a high mechanical resistance.
- High resistance to external corrosive agents.
- Easy cleaning, high durability, maintenance is not necessary and easy to repair in the event of a break.
- GRP is resistant to both high and low temperatures, avoiding condensation. It is also a good electrical insulator.
- The calculation and design is done in accordance to the product to be contained, the working temperature and the concentration of it.
- Structural reinforcements to withstand the pressure of the ground.



Vertical filters

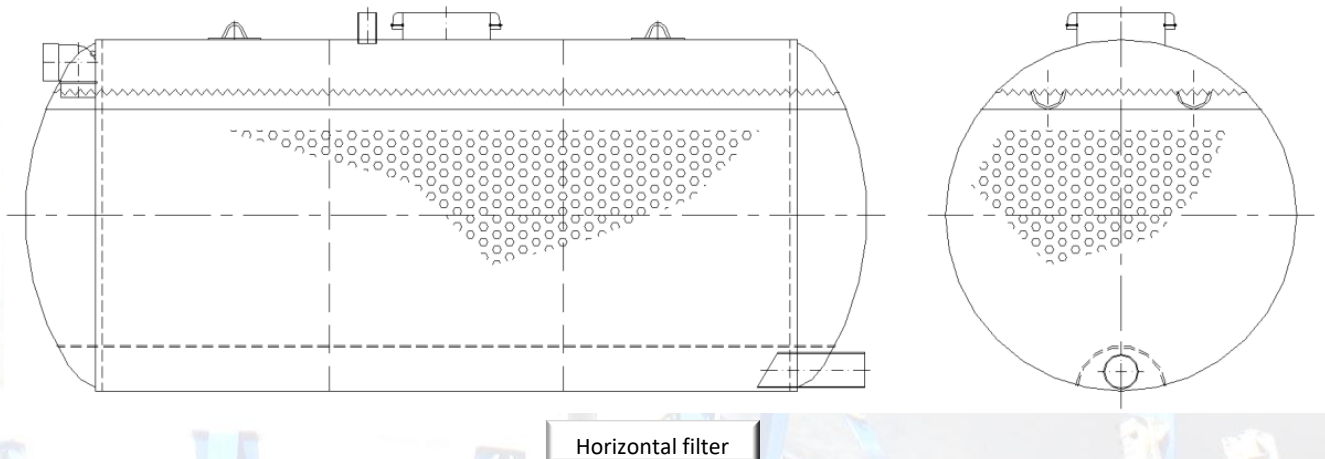


Calculation and design

- BUPOLSA makes all of their tanks according to the manufacturing: UNE-EN 13121, UNE-EN 976, AD-2000-Merkblatt-N1 and UNE-EN 12566
- For the design of the equipment takes into account the volume or daily flow or equivalent population.

Geometries and sizes

- Capacities:
 - Vertical filter: up to 19.000 l and 150 HE (equivalente inhabitants)
 - Horizontal filter: up to 100.000 l and 600 HE
 - Rectangular filter: hasta 3.500 l and 15 HE
- Available diameters: 800, 1.000, 1.200, 1.380, 1.620, 2.000, 2.325, 2.500, 3.000, 3.400, 4.000 and 4.200 mm.
- For any other measure and / or capacity contact the technical-commercial department.



Available accesories

- Screwed manhole in GRP, pit type, long neck or telescopic mouth, screw cap.
- Tubings in GRP PRFV DIN 2576 or ANSI#150 FF
- Fixing anchors to the ground y lifting hooks
- Venteo
- Ladders and walkways