

Sand filter tanks

Description

BUPOLSA sand filters are made of glass fibre reinforced polyester (GRP) and are the most commonly used elements for filtering water with low or medium loads of pollutants that require particle retention. The filtering material can be sand, anthracite or coal. These equipment can be used in water purification plants, filtration plants, seawater filtration, water treatment for purification, dechlorination, absorption of pesticides, water contamination, to prevent the formation of foams, etc.



Characteristics

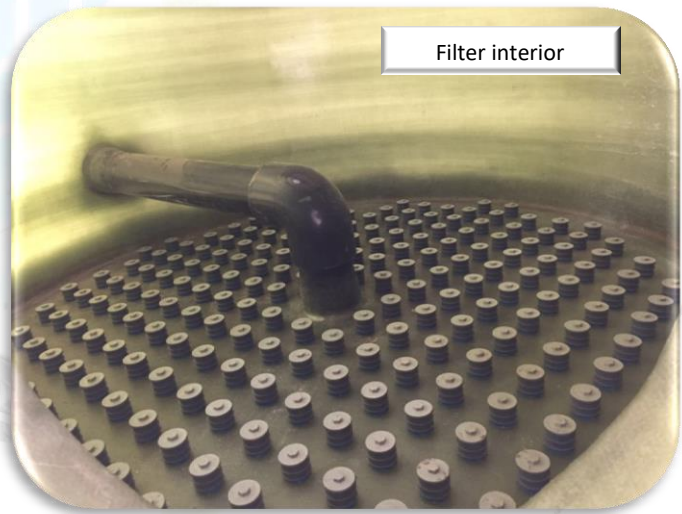
- Completely smooth interiors rich in polyester that allow a perfect evacuation and great chemical resistance to the different products to be stored.
- Percentage of Fiberglass from 55 to 60%, for a high mechanical resistance.
- High resistance to external corrosive agents.
- Easy cleaning, high durability, 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.
- Lightweight and easy transportable equipment.
- Pumped bottom.

Calculation and design

- BUPOLSA makes all of their tanks according to the manufacturing: UNE-EN 13121, UNE-EN 976 y AD-2000-Merkblatt-N1.
- For the design of the equipment takes into account volume, product to contain, the working pressure, the working temperature and concentration of the same.
- All sand filters are manufactured according to the processes and instructions specified by the customer. BUPOLSA not being a process or engineering company, does not develop all the part relative to the size of the cartridge and does not offer any guarantee in this regard.

Geometries and sizes

- Capacities of up to 50.000 liters.
- Diameters (mm): 800, 1.000, 1.200, 1.380, 1.620, 2.000, 2.325, 2.500, 3.000, 3.400, 4.000 and 4.200
- With galvanized carbon Steel support feet, legs or GRP skirt.



Available accessories

- Pressure screwed manhole in GRP
- Tubings in GRP PRFV DIN 2576 or ANSI#150 FF
- Fixing anchors to the ground and lifting hooks
- Tubing for save flange
- Supports for pipe
- Ladders, handrail and walkways
- Cartridge holder plate
- Deflecting plate
- Grounding
- Characteristic/identification plate
- Davit