

Pressure and vacuum tanks

Description

BUPOLSA's pressure or vacuum tanks are made of glass fibre reinforced polyester (GRP) and are an essential element for storage or for use in pressure processes, such as: pneumatic impulsion of liquids, gas saturation on liquid, cartridge filters, sand filters, etc. These tanks are designed to contain both fluids and gases at pressures different from environmental or atmospheric pressure. Type of pressure tanks:

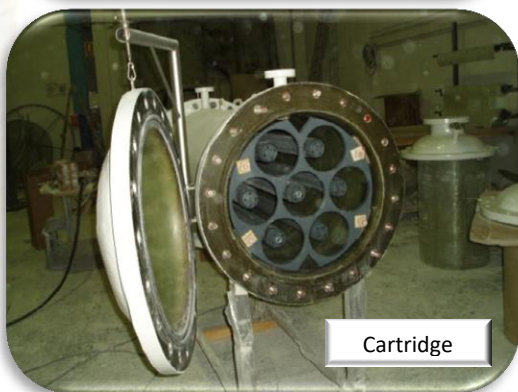
- **Overpressure:** with working pressures of up to 10 bar.
- **Vacuum:** with working pressures of up to -1 bar.
- **Cartridge Filter:** with working pressures from 4 to 10 bar.
- **Sand Filter:** with working pressures from 2 to 4 bar.



Overpressure



Vacuum



Cartridge



Sand

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.

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 accesories

- 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