

## Isothermal tanks

### Description

The BUPOLSA isothermal tanks are manufactured by means of a sandwich structure composed of polyester reinforced with fiberglass (GRP), closed cell polyurethane foam and finally another layer of GRP. Types:

**Vertical:** flat base, with legs or GRP skirt.

**Horizontal**

Indicated for those cases in which it is necessary to maintain the product at a certain temperature.



Isothermal wall section



Vertical isotherm flat base

### 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.



Vertical isotherm flat base

## 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 density, the working temperature and concentration of the same.

## Geometries and sizes

- Capacities of up to 200.000 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.



Isothermal tank bottom



Tank with expansion joints for large contrasts of T<sup>a</sup>

## Available accessories

- Screwed manhole in GRP, elliptical or dome with lid in stainless Steel.
- Tubings in GRP PRFV DIN 2576 or ANSI#150 FF
- Fixing anchors to the ground and lifting hooks
- Transparent visual level systems, using pulleys, level detectors, etc.
- Supports for pipe
- Ladders, handrail and walkways