

FRP HORIZONTAL FILTER VESSELS

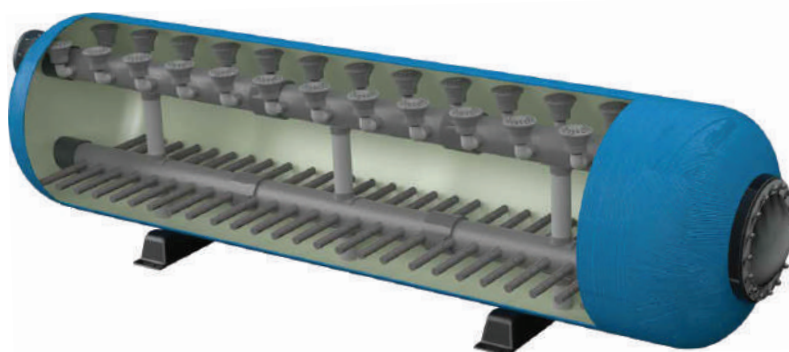
Description

Technologically advanced manufacturing facility equipped with a fully automatic 5 - axes filament winder complimenting the state-of-art infrastructure and engineering capabilities. This allows us to design, manufacture and supply Pressure Vessels and multimedia filters meeting world class quality and standards.

These filters are a part of the value chain to the desalination, pool and spa and water treatment industry.

Design Features

Horizontal FRP Pressure filter vessels are suitable for the pre-treatment of Seawater and Brackish Water in Reverse Osmosis plants as they are totally resistant to corrosion. Manufactured with an internal barrier of Isophthalic resin and bobbin wound FRP external reinforcement with the collector system, cylindrical length and connections according to project specific requirements.



Applications

- ▶ UV resistant and outstanding outdoor performance of the vessels
- ▶ Smooth inner finish to prevent dirt adhesion and bacterial growth
- ▶ Completely sealed man holes, air vents, view ports prevents entry of foreign matter including dust
- ▶ Light proof to prevent algae growth
- ▶ Seamless design with polar winding – No chance of leakage
- ▶ Customized volumetric capacities
- ▶ 100% hydro tested at 1.5 times maximum operating pressure
- ▶ Operating Pressures: 2.5 Bar, 4 Bar, 6 Bar
- ▶ Diameters: Up to 3 m
- ▶ Vessel Lengths: 10 m
- ▶ Nozzle Plate Floor or Lateral Distributor Systems
- ▶ Corrosion Resistant
- ▶ Low Thermal Conductivity
- ▶ High resistance to Water Treatment chemicals
- ▶ Long service life
- ▶ Available certified to UNE-EN 13121 Standard