

Process description

FRP tower is controlled by computer, and the inner lining layer (such as anti-Corrosion inner lining layer) is made according to the requirements on the mandrel. After gelation according to specified linetype and thickness to winding the structural layer, and then to make the protective layer, finally to assembly

Characteristics

- ▶ Light weight: the density of FRP 1.5~1.9G/CM3, 1/4 of steel's, but higher strength.
- ▶ Corrosion resistant: select different resins as per the variety of the media, such as acid, alkaline, salt, oil and solvent. FRP can be used in every chemical corrosion resistance area; it can replace the stainless steel, nonferrous metal etc, and decline the cost.
- ▶ Smooth inner surface: easy to clean, the roughness coefficient is $N=0.0084$, has good sanitary property, can resist the corrosion of animalcule.
- ▶ Good property against the low temperature: FRP can be used in minus 80°C, suitable for the cold area.
- ▶ The thermal expansion factor is $2 \times 10^{-5}/^{\circ}\text{C}$, the thermal conductivity is 0.2Kcal/(m².h.°C), has good thermal insulation property.

Applications

FRP tower is widely used in chlor-alkali, metallurgy, pharmaceuticals, fermentation and brewing, potassium sulfate fertilizer and compound fertilizer (NPK) and other industries.

