

An ISO 9001:2015 Certified Company



Your Reliable Partner for Composite Equipment's Construction



ABOUT US

We have over 18 years of excellence in design, manufacture, supply and installation of storage tanks and process equipment's.

Conserva Composite Engineering Pvt. Ltd has over Eighteen years of experience in the design, manufacture, and supply of Fibreglass Reinforced Plastic (FRP) storage tanks and process equipment. We specialize in providing composite solutions for a wide range of applications, including chemical handling systems, chemical storage tanks, dosing systems, degasser towers, scrubber systems, chlorine gas leak absorption systems, fume absorber systems, process tanks, mixing/agitator tanks, pickling tanks, pipes and fittings, strainers, FRP linings, PP linings, FRP grating and many other industrial needs.

At Conserva Composite Engineering Pvt. Ltd, we deliver innovative, engineered solutions that enable our customers to fully benefit from the advantages of FRP products. These benefits include lightweight construction, high strength, corrosion resistance and exceptional durability. By combining the expertise of various industry leaders, we offer the best in composite design and advanced manufacturing processes.

Our products are manufactured in strict compliance with industry standards and guidelines, using only the highest-quality raw materials. Laminates are created with thermoplastics as liners for chemical resistance, and external FRP ensures structural integrity. We make it a priority to use all available resources efficiently, minimizing waste and environmental impact.

Guided by the principles of integrity and commitment, Conserva Composite Engineering Pvt. Ltd has always been driven by customer satisfaction. The fact that many of our clients return to us for repeat orders is a testament to the quality of our products and services. We are dedicated to providing top-quality composite equipment to our existing customers on time, while also cultivating new client relationships. When it comes to FRP equipment, especially for highly corrosive fluids that are pumped day in and day out, you need a manufacturer with consistent quality—someone who understands your needs, speaks your language, and is dependable. That someone is Conserva Composite Engineering Pvt. Ltd.

We, at Conserva Composite Engineering Pvt. Ltd, are a renowned organization specializing in the manufacturing and supply of a comprehensive range of products, including Acid & Alkali Handling Systems, Storage Tanks, Process Tanks, Dosing Tanks/Skids, Mixing/Agitator Tanks, Nutsche Filters, Degasser Towers, Scrubber Systems, Chlorine Gas Leak Absorption Systems, Acid Fume Absorbers, CO2 Breathers, Fumes Exhaust Systems, Pipes and Fittings, Strainers, Linings and Gratings.



WHAT WE DO

We design, manufacture and install FRP/GRP and FRP Dual Laminate equipment with application in industries such as Chemical, Pharmaceutical, Fertilizer, Paper & pulp, Food Processing, Water and wastewater, Textile, Metallurgical, Mining, Paints, Pigments & Dyeing, Power plants and more...



TESTING:

Our testing methods include comprehensive inspections such as in-house visual and dimensional checks based on approved drawings, Barcol hardness testing, leak-proof testing, spark testing, hydraulic pressure testing, anemometer testing, digital tachometer testing and more. External inspections are conducted for tensile strength testing, glass content testing, lap-shear strength testing of FRP laminates, as well as bond strength testing of welded specimens and dual laminates.



QUALITY ASSURANCE:

Conserva Composite Engineering Pvt. Ltd is synonymous with quality and stands as the epitome of excellence in the FRP industry. The repeat orders from our customers are a testament to the superior quality of our products and services in their demanding projects.

All our products are carefully designed by our in-house design team and can be approved by inspection agencies. The equipment is manufactured at state-of-the-art facilities using the hand lay-up and mold-making processes.

With our in-house accredited testing labs and a stringent quality control team, all products are thoroughly tested to meet service requirements. Our highly skilled and experienced technicians are well-equipped and trained in safety measures and procedures, in accordance with global standards.



CLIENT SATISFACTION:

We are driven by a customer-centric approach that motivates us to collaborate closely with our clients, understanding their needs and delivering solutions accordingly. By meeting customer demands, we are able to develop more sophisticated and customized products, which in turn enhances our potential for growth.

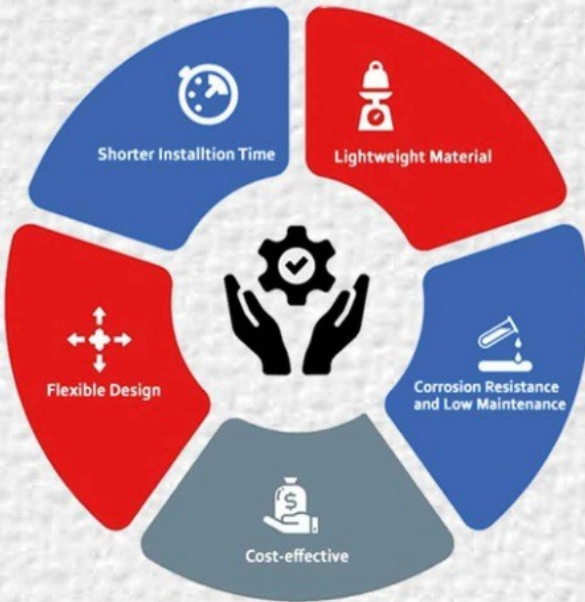
ADVANTAGES OF FIBREGLASS REINFORCED PLASTIC (FRP/GRP) TANKS & EQUIPMENTS:

There are numerous benefits to choosing Fiberglass as a material. Some of the key advantages are listed below:

- 100% Watertight
- Resistance to Chemical Attack
- Corrosion Resistance
- Low Maintenance
- Quality Control
- Installation
- Ease of modifications during the life of the tank
- Abrasion Resistance
- Customisation
- Quick Delivery

Why FRP?

FRP are an ideal choice for a wide range of products, offering:



Benefits of FRP Over Traditional Materials

FRP provides many benefits over traditional building materials such as steel, aluminum and wood.

FRP vs. Steel

FRP is highly corrosion-resistant, whereas steel is susceptible to rust from chemicals and weather exposure. FRP is as strong as steel and weighs significantly less; for a great strength-to-weight ratio.



FRP vs. Aluminum

Unlike aluminum, FRP has low thermal conductivity, meaning it serves as a great insulator. It's also corrosion-resistant, non-conductive, and won't deform under impact.

FRP vs. Wood

Wood components are prone to warping, decay, and rot. FRP exhibits excellent resistance to corrosion, mildew, mold, and other conditions that timber cannot stand up against. FRP can also deliver extreme durability without the need for environmentally hazardous coatings.



FRP vs. Concrete

FRP panels are less than 15% the weight of concrete. There is no spalling, cracking or damage from moisture, salt or chemicals.

TANK DESIGN MODELS:

Shell:

- V – Vertical
- H – Horizontal
- C – Cylindrical
- R – Rectangular
- S – Square

Top:

- OT – Open Top
- CT – Conical Top
- DT – Dished Top
- FT – Flat Top

Bottom:

- FB – Flat Bottom
- DB – Dished Bottom
- CB – Conical Bottom
- SB – Sloped Bottom

Features

- Good Corrosion and Weather Resistance
- High Physical and Mechanical Strength
- High Strength to weight ratio
- Highly Durable
- Higher conveying ability due to glossy internal finish & hence less pump loads
- Abrasion resistance & Lower thermal conductivity
- Resistant to galvanic & stray electrical currents and Excellent thermal insulation
- Good adaptability & dimensional stability
- UV resistant, Aesthetically appealing, Flexibility in design, Light Weight and hence easy to handle and install
- Ease of fabrication such as cutting, drilling, joining etc
- Good Insulating Qualities
- Ease of Maintenance with Zero Downtime
- Economical & cost effective

Our Range of Products:

- BULK ACID / ALKALI HANDLING SYSTEM
- STORAGE TANKS
- GRP SMC PANEL TANKS
- PROCESS TANKS
- PICKLING & PLATING TANK
- DOSING TANKS
- MIXING / AGITATOR TANKS
- DEGASSER TOWER
- POLLUTION CONTROL SCRUBBER SYSTEM
- CHLORINE / SULPHUR GAS LEAK ABSORBER SYSTEM
- ACID FUMES ABSORBER / CO2 BREATHING
- PIPES & FITTINGS
- STRAINERS
- FRP LINING
- PP LINING
- FRP GRATINGS

Materials of Construction:

1. We have Used THERMOSET Materials:

(i). Resins:

- Isophthalic Polyester Resin
- Bisphenol
- Vinyl Ester
- Super Vinyl Ester
- Epoxy Based Vinyl Ester
- Epoxy Resin

(ii). Additives:

- Catalyst
- Accelerator
- Promoter
- Pigment

2. We have Used THERMOPLASTIC Materials:

- PP - Polypropylene
- PPH - Polypropylene Homopolymer
- PPRC - Polypropylene Random Copolymer
- PVC - Polyvinyl Chloride
- CPVC - Chlorinated Polyvinyl Chloride
- UPVC - Unplasticized Polyvinyl Chloride
- HDPE - High Density Polyethylene
- LDPE - Low Density Polyethylene

3. We have Used Reinforcement (Fibreglass Mat):

- Chopped Strand Mat (CSM)
- Woven Roving Mat (WRM)
- Surface Mat (SM)



Our Scope of work:

ACCESSORIES:

We will provide additional accessories as per your customer needs as below

- Acid proof lining on secondary containment
- Mixing agitator mechanism
- Process pump with motor
- Dosing pump
- Fume absorber / Breather
- Glass tube level indicator / Level Sensor
- Starter panel board
- Pipes & Fittings
- Strainers
- Valves
- Rota meter
- Pressure gauge
- Motor Cover
- Fasteners
- Gasket
- Ladder
- Handrail
- Walkway Platform
- Eye wash safety tower
- Fire extinguisher

INDUSTRIES WE SERVE:

- Acid & Alkali Handling System
- Automobiles
- Battery
- Beverages
- Chemicals
- Constructions
- Cements
- Desalination Plants
- Dairy
- Drugs & Pharma
- Electronics & Electricals
- Explosives
- Fertilizers
- Food Processing
- Glass & Plywood
- Hospitals
- Hotels & Institutions
- IT Semiconductor
- Metal & Mining
- Nuclear Plants
- Oil & Gas
- Offshore Platform
- Paints
- Pickling & Plating
- Pigments
- Power Plants
- Pulp & Papers
- Sugars
- Textile & Tannery
- Water Treatments



FRP Gratings



FRP Dosing Tanks



FRP Lining



FRP Strainers



FRP Storage Tank



FRP Pipe & Fittings



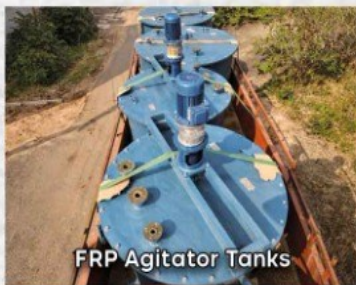
GRP Panel Tank



Spiral HDPE Tank



FRP HCL Acid Fume Absorber



FRP Agitator Tanks



FRP Scrubber



FRP Degasser Tower

CONSERVA COMPOSITE ENGINEERING PVT LTD
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