Industrial Solutions

Large Diameter FRPTanks & Vessels

When it comes to containing and conveying corrosive fumes and fluids, Fiber Glass Systems, LP is experienced in designing and manufacturing FRP Composite equipment for a multitude of technologies and processes. Excelling in large diameter on-site winding and assembly of FRP tanks and vessels - we are the industry pioneers in large diameter FRP field tanks and continue to deliver solutions worldwide to various industries including Power and FGD, Metals & Mining, Chemical Processing, Pulp & Paper, Industrial Water, Wastewater, and Semiconductor.

Distinguished by an experienced team of engineering, manufacturing, and construction professionals - you can count on us to deliver on every aspect of your project objectives. Recognized as a leading Specialty Contractor, Fiber Glass Systems evaluates each project and understands each jobsite is unique - and we implement unique solutions for the success of your field tank project.

We cover the spectrum of solutions for manufacturing large diameter field tanks including:

- **Ring E-blation™**
- **Barge Delivery**
- **Field Winding**

One or more solutions may be recommended to provide you with a project approach that best solves your needs and schedule, while also providing the lowest overall installed cost. Likewise, the most appropriate resin and reinforcement materials are selected to meet your individual corrosion resistant requirements and project specifications. Fiber Glass Systems works closely with premium grade resin and reinforcement suppliers. We manufacture only with qualified and tested raw materials. Bisphenol and Novalac Epoxy Vinylesters, both fire retardant and non-fire retardant, are the dominant resins used due to the superior corrosion resistance, heat resistance and tensile elongation properties. The corrosion barrier can also be made abrasion resistant by incorporating Stopline-G2™ materials. To complete your project, Fiber Glass Systems supplies a wide range of tank components to include agitator supports, ladders, platforms, handrails, heat tracing, level gauges and vessel internals.

Excellence in Engineering & Design

Designing with FRP requires a unique knowledge of composite materials, environmental conditions, chemical properties, ASTM and ASME specifications and familiarity with specialized fabrication and construction practices. At Fiber Glass Systems, we have an abundance of knowledge, tools and talent. Our team utilizes design by rules approach and modern software programs such as ANSYS FEA, Inventor Solid Modeling, Caesar II, Tri-Lam III, CaePipe and AutoCAD to develop the structural designs and drawings to meet your specifications. Fiber Glass Systems is one of the few FRP companies that can design, manufacture, inspect, test and stamp FRP Field Tanks in accordance with ASME RTP-1.

Ring E-blation™

- Diameters: 16 to 57 feet
- Minimized field construction
- Cost effective
- No site environmental air permits needed
- Short project schedules

Barge Shipping

- Diameters: 16 to 50 feet
- Vessels completely assembled in manufacturing facility
- No FRP field construction
- Lower customer construction management cost
- Eliminates site environmental air permit considerations
- Eliminates site assembly space consideration
- Shortest project schedule

Field Wound Tanks

- Diameters: 16 to 120 feet
- Numerous tanks with common diameter
- Vessels taller than 50 feet
- Vessels too thick for Ring E-blationM
- Minimizes shell joints
- Environmental air permit typically required
- Project schedule must include time to set-up mobile winding equipment