Choosing a Manufacturer

Choosing a manufacturer can be a daunting task for the inexperienced buyer or engineer, as not all manufacturers are created equal. We recommend a single source, turnkey contract as the best way to assure a successful project and long-term reliability. The most important step is to ensure the manufacturer you choose has experience in your application. The important criteria include:

1. Technical and engineering capabilities
2. Manufacturing quality
3. Field erection/installation capability

Why FRP/Dual Laminate Tanks?

- Economical benefits compared to field install alloy tanks
- Easier to install, smaller crane needs, faster to erect/install
- Safer to assemble than steel tanks – minimal elevation work
- Corrosion resistant throughout the FRP structure
- Exterior paint not required – no “UV” degradation
- Easy to repair if damaged
- Good insulator on temperature and static electricity

Service and Product Offerings

- Turfery FRP & Dual Laminate Specialists
  - Engineering and Design
  - Fabrication
  - Field services
- Developer of fabrication technology (Patented 1978)
  - Dually accredited – ASME RTP-1
    - ASME Section X, Class II
- Customer services
  - Vessels, pressure vessels, scrubbers, piping, ducts and structural components
  - Shop and field-erected FRP vessels, piping, ducts and equipment
  - Full line of U.S. made FRP flanges, fittings and accessories
- Manufactured with premium grade resins:
  - Vinyl ester, furan and phenolics
  - Thermoplastic and fluoropolymer liners for more severe corrosive environments

Manufacturers should be evaluated on their technical knowledge and capabilities. Outsourcing key technical and engineering components and functions often leads to a poor design due to miscommunications and involvement of others who are not as close to the needs of the application. Manufacturing quality standards should be closely scrutinized as well. ASME offers accreditations to shops that can properly execute their high standards and maintain that environment on a day-to-day basis. ASME RTP-1 is considered by many to be the best available control technology for FRP design, fabrication, and testing. This covers designs for tanks and process vessels from +/-15 psig design pressure. When vessels require higher design pressure, ASME offers Section X Class II authorizations to cover vessels from full vacuum to +250 psig design pressure. Failures commonly occur at field joints and tie-ins due to unqualified installers erecting and maintaining equipment, materials, and processes they are not familiar with.

Winning Together

The Thorpe Plant Services team remains committed to helping your company find the right solution, while providing you with the safest, most cost-effective and maintenance-free equipment possible.