

PRE-FABRICATED TANK INDUSTRIAL - MSFRP

PRODUCT INTRODUCTION & WORKING PRINCIPLE

IQ Water is an ISO 9001:2015 and ISO 14001:2015 certified manufacturer and distributor of world-class ETP & STP and UF RO filtration, purification, adsorption, and separation solutions. With Innovation at the core, we develop next-gen filtration products and systems to solve all process-related challenges that the customers face. Our extensive product range includes but is not limited to an assortment of finest Pre Fabrication of MS & FRP Tank, cartridge filters, cartridge housings, filter media, and filtration systems for industrial applications. We have established a global client base and nurtured every client by consistently delivering uncompromised quality of products, attention to customer requirements and excellent after-sales support.

Over the years, a variety of materials has been used to construct storage tanks for water and wastewater storage. These systems – most commonly constructed of non-reinforced concrete, but also of polyethylene and steel – do not provide many benefits of a fiberglass tank, a tank which is structurally strong, corrosion-resistant, watertight, lightweight and easy to install.

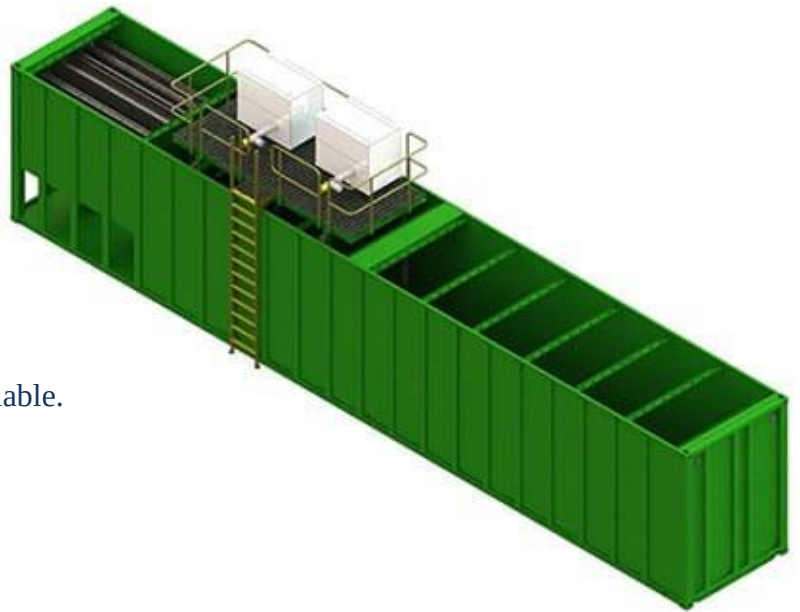
ADVANTAGES OF FRP TANKS

- Corrosion Resistant
- Maintenance Free
- Long Service Life of over 15 years
- Safe for Environment
- Light Weight – Easier Handling
- Smooth Inner Surface – Lower Sludge Formation, Lower Cleaning costs
- Leak Proof – Saves Material Loss
- Flexible design option
- Easy Installation
- All nozzles for our FRP Tanks and FRP Flanges, integrally molded with the FRP Tank body.



APPLICATIONS

- Potable Water Storage Tanks
- Chemical Storage Tanks
- Blending Tank
- Water and waste Treatment Tanks
- Mobile Tanks mounted on Trailers
- High Pressure Light Weight Cylinders
- Standard as well as customized size available.



TESTING

To ensure the quality products and long service life we conduct various testing before delivering the tanks to customer. Some of the tests are Hydro Test, Hardness Test, Acetone Test, Strength Test, Glass Content Test and other specified test.

Flanges are fabricated as per numerous bolt dimension systems like ASME, DIN, JIS, BS etc as specified by clients.

FRP storage Tank | Chemical storage tank | Acid storage tank | FRP Tank | FRP Reactors | Tote bin | PP FRP tanks | HDPE FRP Tank

FRP aboveground tanks are ideal for:

Acids, Caustics, Solvents and non-flammable corrosive fluids in petroleum production, chemical, pulp and paper, and other industrial applications

FRP COMPOSITES

Property	Units	Wood ^A	Concrete ^B	Steel AISI A36 ^C	Aluminum 6061 T6 ^D	FRP Laminate Type 1 ^E	FRP Laminate Type 2 ^E
Tensile Strength	ksi (MPa)	1.65 (11.4)	0.29 – 0.87 ¹ (2.0–6.0)	58 (400)	42 (290)	8.0–15 (55–103)	15–23 (103–159)
Compressive Strength	ksi (MPa)	1.9 (13.1)	2.9–8.7 (20–60)	58 (400)	35 (241)	18–25 (124–172)	21–27 (145–186)
Tensile Modulus	Msi (GPa)	1.8 (12.4)	3.1–5.3 ² (21.2–36.7)	29 (200)	10 (68.9)	0.7–1.3 (4.8–9.0)	1.1–1.8 (7.6–12.4)
Longitudinal CTE	in/in-°F (10 ⁻⁶) [cm/cm-°C (10 ⁻⁶)]	1.7–2.5 ⁷ (3.1–4.5)	3.5–6.5 ³ (6.3 – 11.7)	6.5 (11.7)	13.1 (23.6)	3.1–11 ⁴ (6.1–19)	3.1–11 ⁴ (6.1–19)
Density	lb/ft ³ (g/cm ³)	34.3 (0.55)	137–156 (2.19–2.50)	490 (7.84)	169 (2.71)	91.3 ⁵ (1.46)	93.5 ⁶ (1.50)