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Product quotation

FRP Vessel- 3672



Call for price (01728262625)

Key Features of FRP Vessel- 3672 :

- **Heavy-Duty, Advanced Composite Construction:** Fabricated with a premium-grade, extra-thick fiberglass reinforced plastic (FRP) outer shell and a robust, seamless polyethylene (PE) or high-density polyethylene (HDPE) inner liner. This construction ensures maximum structural integrity, exceptional durability, and the ability to withstand the rigors of continuous, large-scale operation.
- **Unsurpassed Corrosion and Chemical Resistance:** The inherent properties of FRP provide the highest level of resistance to rust, corrosion from highly aggressive water sources, and a wide array of harsh chemicals employed in intensive industrial and municipal water treatment processes, guaranteeing an exceptionally long and reliable service life.
- **Optimized Lightweight Design for Extreme Capacity:** Despite its enormous size and capacity, the FRP construction remains significantly lighter than comparable steel vessels. This characteristic greatly simplifies the logistical challenges and reduces the costs associated with transportation, handling during complex installations, and the structural support required in large-scale facilities.
- **Superior Strength-to-Weight Ratio for Ultra-High Pressure Demands:**

Engineered to withstand high operating pressures (typically up to 150 psi or potentially higher in specialized, heavy-duty models) while maintaining a comparatively lighter weight than metallic alternatives of similar capacity. This ensures safe, dependable, and efficient operation in the most demanding industrial environments.

- **Seamless, Sanitary, and Chemically Inert Liner for Maximum Purity:** The continuous, blow-molded inner liner provides an absolutely impermeable, leak-proof, and contamination-free barrier. When manufactured with food-grade HDPE, it is critical for ensuring the safety and purity of treated water in the largest municipal supply systems.
- **Extra-Large Diameter, High-Flow Port Connections:** Typically features a 6-inch or larger flanged top connection, often with specialized high-pressure ratings, to accommodate the immense flow rates and correspondingly large, sophisticated control valves utilized in major industrial and municipal water treatment plants. Multiple bottom ports may also be integrated for complex process flow configurations.
- **Broad and Highly Stable Operating Temperature Range:** Designed to perform reliably and consistently across a wide temperature spectrum, generally from 1°C to 49°C (34°F to 120°F), ensuring operational adaptability in the diverse environmental conditions encountered in large-scale global installations.
- **Highly Customizable for the Most Complex and Specialized Requirements:** Often available with extensive and highly specialized customization options, including advanced resin formulations for extreme chemical resistance, unique and multiple port configurations, reinforced structural designs for higher pressures, and tailored dimensions to meet the precise and intricate demands of the most complex industrial and municipal projects.

Benefits of FRP Vessel- 3672:

- **Maximum Media Capacity for Unprecedented Treatment Volumes:** The exceptionally large diameter and height provide the absolute maximum volume for treatment media (filtration media, ion exchange resins, etc.), making it the definitive choice for treating the highest volumes of water in the largest industrial complexes, major power generation facilities, and the most extensive municipal water treatment and distribution networks.
- **Unwavering Reliability in the Most Extreme Operating Conditions:** The heavy-duty, advanced composite construction and unparalleled corrosion resistance guarantee consistent and dependable operation even under the most continuous, high-throughput conditions and exposure to the most challenging water qualities and aggressive treatment chemicals.
- **Most Significant Reduction in Long-Term Operational Expenditures:** The non-corrosive nature of FRP, coupled with its robust construction, drastically

minimizes the need for frequent maintenance, repairs, and replacements, leading to the most substantial reductions in downtime and long-term operational costs for the largest scale infrastructure projects.

- **Most Economically Sound Solution for Ultra-Large Scale Water Treatment:** Represents the most cost-effective solution for the most extensive water treatment needs due to its exceptional longevity, minimal maintenance demands, and comparatively simpler installation than similarly sized metallic vessels, offering the best long-term value for mega-projects.
- **Specifically Engineered for the Largest Industrial and Municipal Infrastructure Projects:** Primarily designed and utilized for the most critical and demanding applications, including:
 - The largest municipal water purification and distribution systems serving major metropolitan areas.
 - The most extensive industrial process water treatment plants in heavy industries like petrochemicals, mining, and manufacturing.
 - The largest power generation facilities, where ultra-pure water is critical for boiler feedwater and cooling systems.
 - The most extensive wastewater treatment and water reuse facilities serving entire regions.
 - The largest desalination plants providing potable water to major urban centers.
- **Optimized Efficiency in the Highest Volume Treatment Processes:** When integrated with appropriate ultra-high capacity treatment media, it ensures the most efficient and reliable removal of massive quantities of contaminants, safeguarding the operational integrity and sustainability of essential large-scale industrial and municipal processes.
- **Longest-Life Asset for Critical National Infrastructure:** The ultra-durable materials and exceptional corrosion resistance ensure the longest possible service life, representing the most significant and enduring investment for critical national infrastructure projects that serve generations.
- **Ensuring Safe and Sustainable Water Supply for the Largest Populations:** With a food-grade inner liner, it plays the most crucial role in ensuring the safe, reliable, and sustainable supply of potable water to the largest populations through the most extensive municipal treatment and distribution networks worldwide.

Why Choose Aquafit Technologies

1. **Economical Pricing:** We offer high-quality water purifiers at competitive prices, ensuring that you get the best value for your money without compromising on quality.

2. **Rapid Service:** Our dedicated team provides quick and efficient service, addressing any issues or queries promptly to ensure your purifier remains in optimal condition.
3. **Three Years of Free Servicing:** Enjoy peace of mind with our three-year free servicing offer, which covers regular maintenance and repairs, reducing long-term costs.
4. **EMI Opportunities:** To make our products more accessible, we offer EMI options, allowing you to spread the cost of your purchase over manageable monthly payments.
5. **Extensive Service Network:** With over fifty service centers across Bangladesh, we ensure that help is always close by, no matter where you are.
6. **Affordable Filter Parts:** We provide filter parts at the lowest prices, making it economical to maintain your purifier and keep it running efficiently.
7. **24/7 Service Centers:** Our service centers operate around the clock, offering support whenever you need it, including evenings and weekends.
8. **100% Return Policy:** We stand by the quality of our products with a 100% return policy on any default items, ensuring complete customer satisfaction.
9. **Client Satisfaction First:** At Aquafit Technologies, we prioritize client satisfaction above all else, striving to exceed your expectations with every interaction.
10. **Flexible Payment Options:** We accept payments through more than 20 bank cards and mobile banking services, making transactions convenient and hassle-free.

Choosing Aquafit Technologies means opting for quality, reliability, and exceptional customer service. Experience the difference with our top-rated domestic water purifiers and join the many satisfied clients who trust us for their water purification needs.