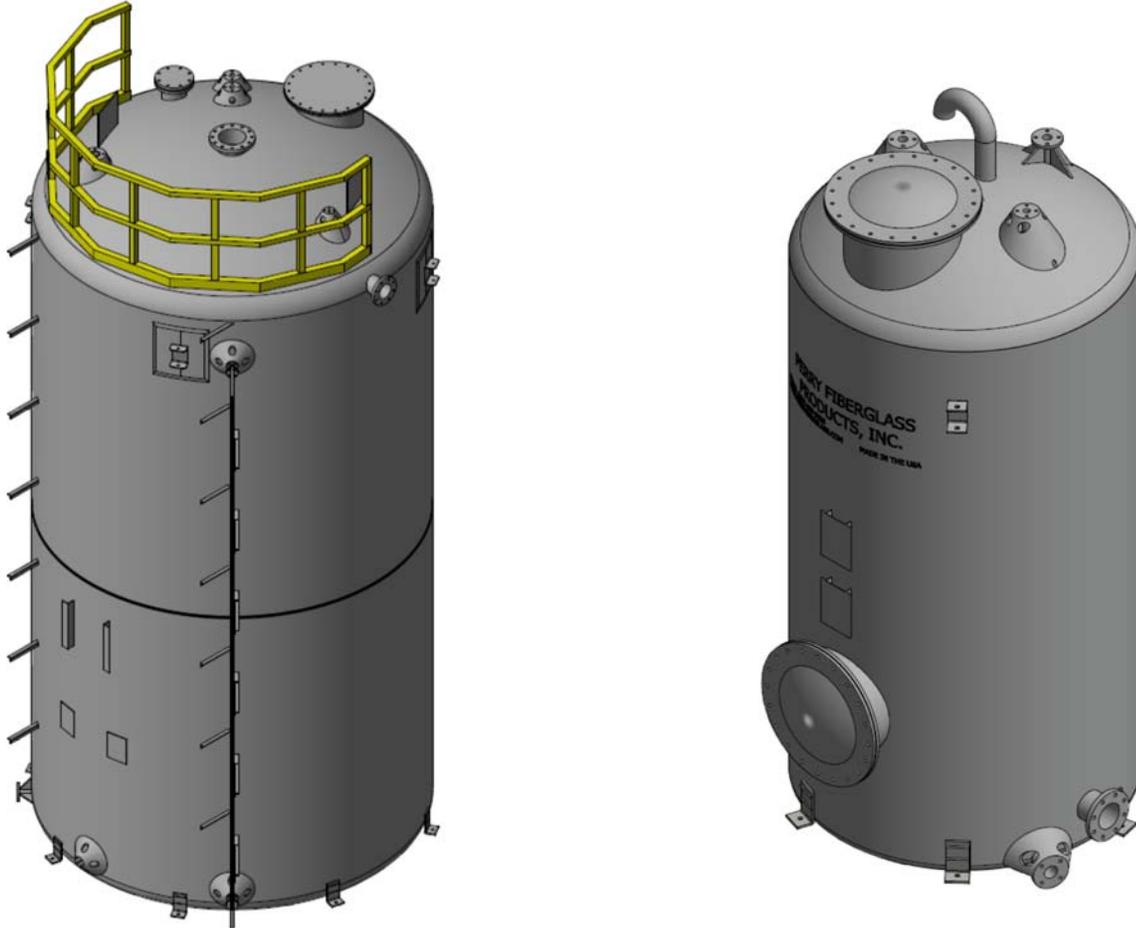


# **Perry Fiberglass Products, Inc.**

## **FRP TANK BROCHURE**



**LEADERS IN THE DESIGN AND MANUFACTURING OF  
DUCTWORK, CARBON ADSORBERS, SCRUBBERS, FANS,  
PIPING, AND TANKS**

**ESTABLISHED IN 1984**

**CALL TODAY FOR TOMORROW'S SOLUTIONS!**

5415 Village Drive Rockledge, Florida 32955 / PHONE: 321-609-9036 / FAX: 321 609-9003

[www.PerryFiberglass.com](http://www.PerryFiberglass.com)

## FRP Storage Tanks

At Perry Fiberglass our Professional Engineers design each tank to meet your project's specific requirements. Our tanks can be designed and manufactured with a diameter as small as 24", and as large as 168" with varying heights. Based on your needs we can add accessories including manways, site tubes, vent connections, ladders, rails, pump stands, and an assortment of flanges and nozzles. Our nozzles are of hand-lay-up construction with the flange and size neck molded as one, and can be ANSI 150 lb, rated at 150 psi with dimensions appropriate for pressure rating.



Our engineers utilize your specifications to design and manufacture each tank's interior corrosion barrier with a resin-rich interior surface including Type C (chemical) glass or Nexus veils as needed. When specified an exterior corrosion barrier can be added to the tank as well. Our designers verify that the resins that are to be used are suitable for the intended service, and meet your specifications. The specified thickness, glass to resin ratio, and hardness is strictly monitored during construction by our technicians and quality control staff.



Shown above: Made to order Sodium Hypochlorite and Sodium Hydroxide Chemical Storage Tanks.



Shown above: Underground Chemical Storage Tank



Shown above: Sodium Hypochlorite Chemical Storage Tanks

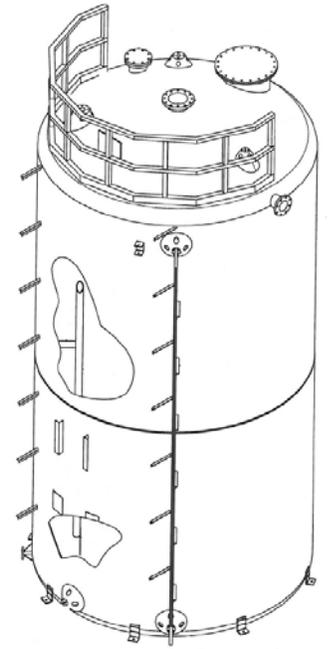


Shown above: Storage Tank with Leg Set

## Engineering Assistance

Our Perry Fiberglass Products full time engineers and licensed Professional Engineers (PEs) are certified to produce stamped calculations for your fiberglass reinforced plastic (FRP) projects including:

- ◆ FRP Tanks
- ◆ FRP Scrubbers
- ◆ FRP Stacks
- ◆ FRP Duct
- ◆ Related FRP Accessories

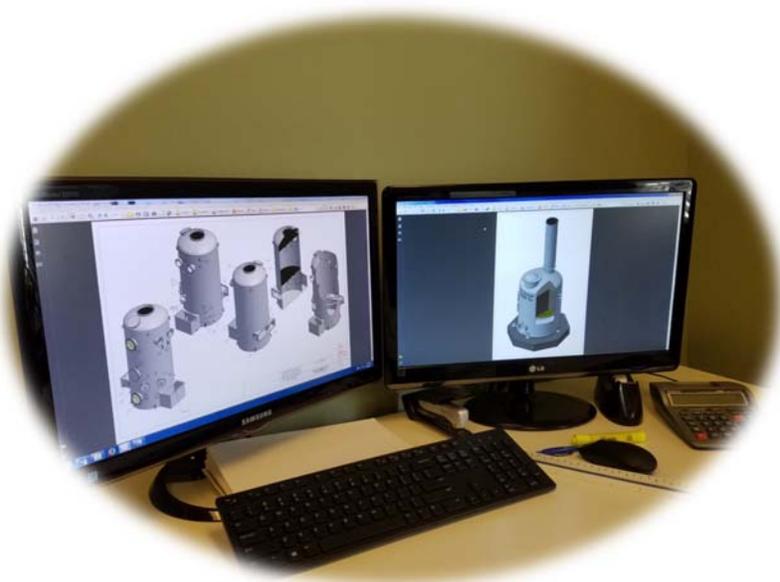


Our design and engineering team has years of experience developing rough concepts into fully engineered products. In addition, if you have existing specifications, we will work with you to optimize your drawings for cost effective manufacturing and installation.

Turn to the engineers at Perry Fiberglass for assistance when meeting load criteria such as seismic, wind, hydrostatic pressure and vacuum. Our engineers are available to assist with all chemical and mechanical issues such as resin selection and construction tolerances.

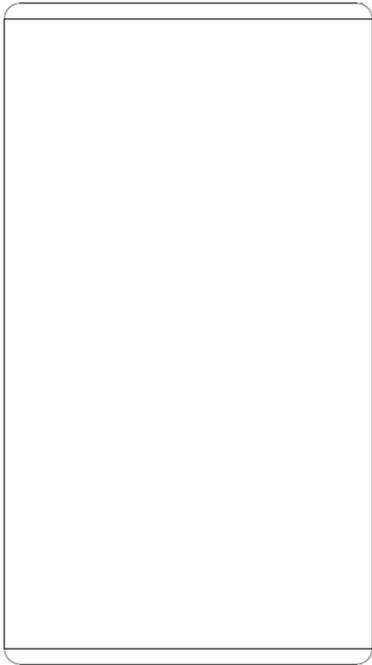
You will benefit from our complete CAD capabilities, and our expertise to maximize service life at the best value.

We offer in-house assistance for new projects, and we also have a field service department which can perform modifications, repairs, or replacement of existing systems.

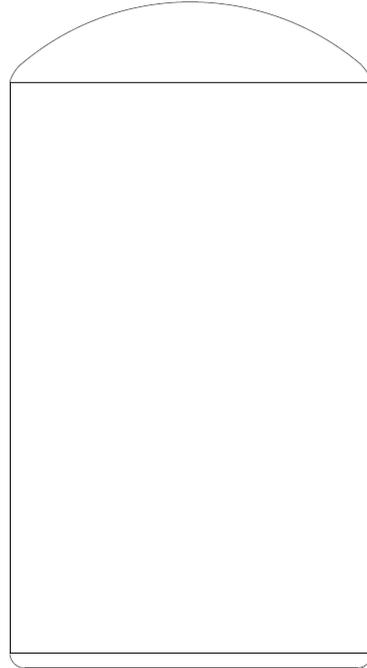


# Typical Models of Perry Fiberglass Aboveground FRP Tanks

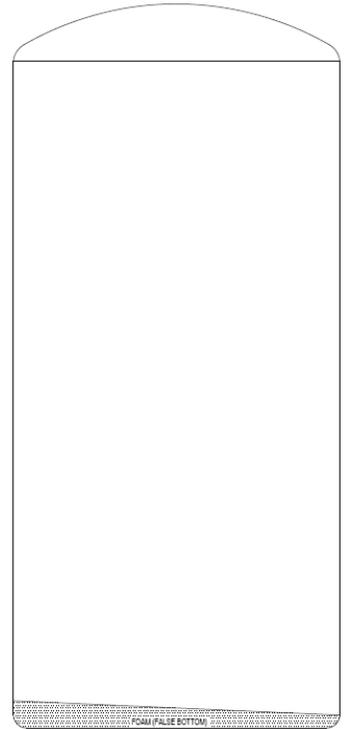
**Flat Bottom Flat Top Tank**



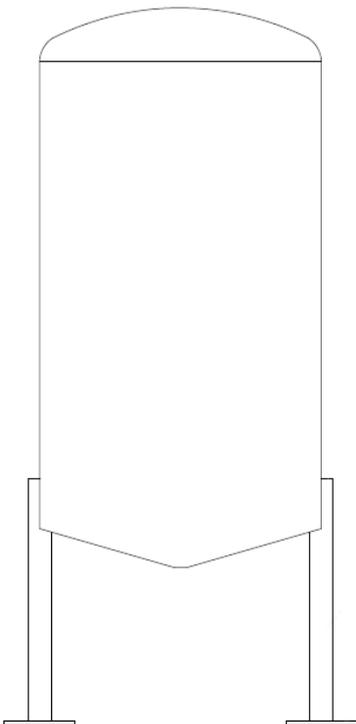
**Flat Bottom Dome Top Tank**



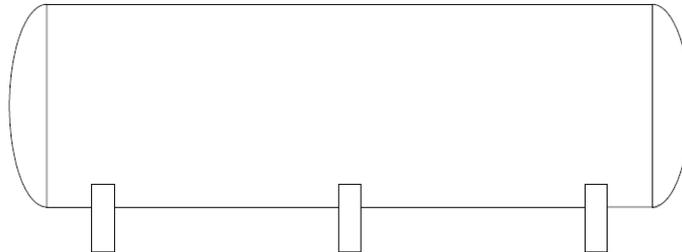
**False Bottom Tank**



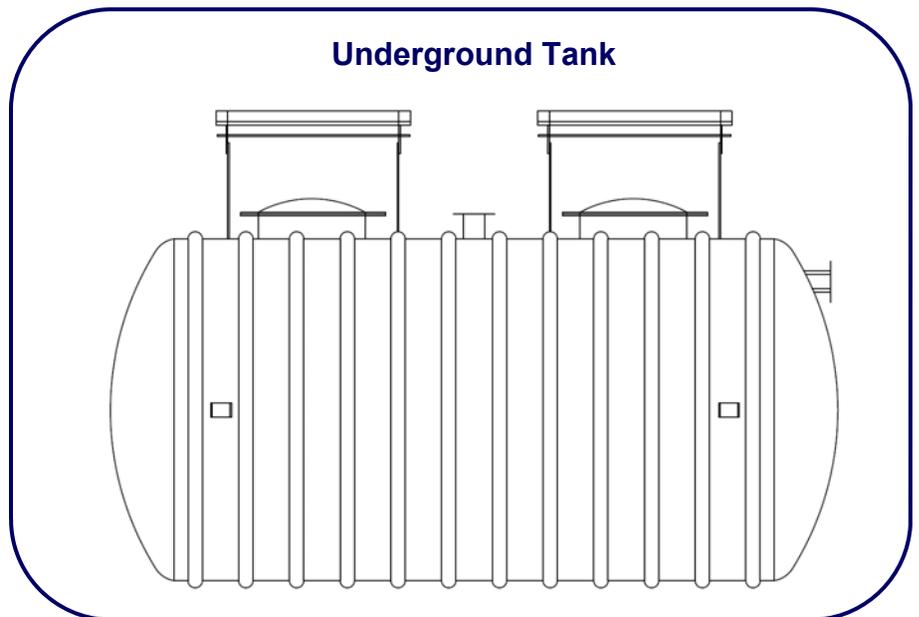
**Elevated Tank  
With Stand or Skirt**



**Horizontal Tank with Saddles**



**Underground Tank**



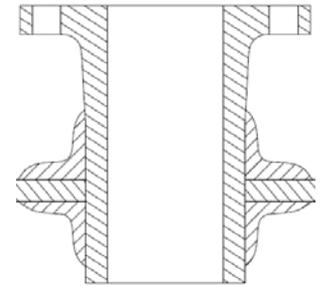
# Typical Accessories for Perry Fiberglass Aboveground FRP Tanks

## Baffles

(Not Shown) Fiberglass baffle assemblies can be installed in the tank to promote mixing. Each baffle application is a custom design to meet the project requirements.

## Flanged Nozzles

(Shown at right) We supply both hand-lay-up and filament-wound flanges. Flanged nozzles are available in 1-inch through 42-inch internal diameters. When required, nozzles can be strengthened by adding either plate or cone gussets. All of our flanges meet RTP-1, ASTM D 3299, ASTM D 3982, ASTM D 4097, or NBS PS 15-69 standards, as specified. Flange dimensions (except thickness) and bolting correspond to ANSI B16.1. Mating flanges must be flat-faced using a full-face gasket. We can also manufacture custom flanges.



## Handrails

(Not Shown) We at Perry Fiberglass custom build heavy duty fiberglass handrails / platforms to meet your individual requirements per OSHA and ANSI specifications. Handrails are fabricated using reinforced pultruded fiberglass (FRP materials). They are shop-fit to the tank but disassembled for shipment and field installation by others.

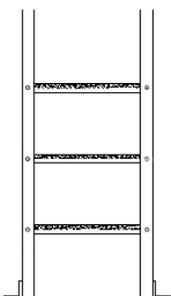
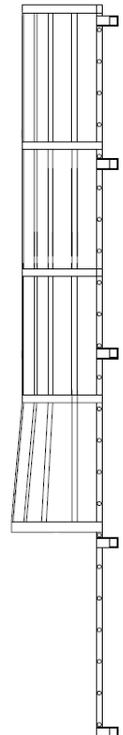
## Heating

(Not Shown) Self-regulating heater panels can be custom designed for your specific application. The heating panels distribute the heat to hold liquids to desired temperature minimums. Heating panels are applied to the tank's external wall (typically on the lower quarter). Agitators or some type of liquid recirculation may be required to achieve temperature requirements, depending on the application and environment.

## Ladders

(Shown at right and below on left) We custom build heavy duty fiberglass ladders to meet your individual requirements per OSHA and ANSI specifications. Our ladders are ideal for use with catwalks, mezzanines, roof and tank access. Safety cages, safety rail / trolley, removable extensions and walk-thru applications are available. Ladders are fabricated using reinforced pultruded fiberglass (FRP materials).

Perry Fiberglass ladders are manufactured in the USA exceeding the ARRA requirements. Standard wall and floor mounting brackets are included. Other qualities include:



- Corrosion Resistant (no rust)
- Safety Yellow Color
- Maintenance Free
- Non-Skid Perry Fiberglass Grit™ Coated Rungs
- Light Weight
- Non-Conductive-Heat & Electric
- Built Per OSHA and ANSI Standards
- Exceeds 1200 lbs Duty Rating

# Typical Accessories for Perry Fiberglass Aboveground FRP Tanks

## Lifting Lugs

(Shown at right) Unless otherwise specified, all tanks are equipped with two opposing lifting lugs.



## Manways

(Manway nozzle and cover shown at left). Standard side and top manways are available in 20", 24", 30" and 36" diameters. Manways are available in atmospheric, 15 psi, and 25 psi pressure ratings. Custom-diameter manways are also available. Manways are designed to meet all requirements of RTP-1, ASTM D 3299, or ASTM D 4097. Cadmium-plated bolts, nuts and washers, and EPDM gaskets are standard on manways. Stainless steel hardware is available for an additional charge. Hinged manways are also available which offer quick and easy access to tank interiors through the tank top or side.

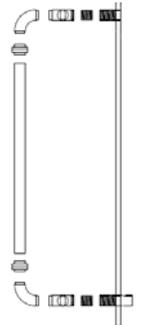


## Mounting Brackets

(Not Shown) The mounting brackets provide the necessary restraint for both internal and external accessories, such as piping and instrumentation. Unless otherwise specified, they are fiberglass. Valves, controllers or other heavy items connected to tank nozzles should be independently supported.

## Sight Glass

(Exploded view shown at right) Perry Fiberglass tanks can be supplied with a sight glass constructed of clear PVC to visually confirm fluid levels within the tank.



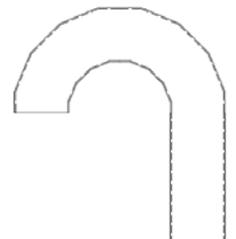
## Tie-Down Lugs

(Shown at left) Tie-down lugs are incorporated into the design of each vessel to fit the vessel's specific requirements, whether it be for seismic, nonseismic and/or wind-load conditions. Some tie-down lugs can be used as lifting lugs when unloading the tank. These lugs are filament-wound onto the outside of the completed tank wall. Lugs are also available in special metals.



## U Vents

(Shown at right) All Perry Fiberglass tanks must be vented to prevent serious damage from the excess pressure or excess vacuum that typically occurs during loading or off-loading of liquids. Our standard vent is the 25 psi rated U vent which is available in 2", 3", 4", 6" & 8" diameters.



## Work Platforms and Catwalks

(Not Shown) Work platforms and catwalks that connect two or more tanks provide access to tank tops and meet current OSHA and ANSI specifications. These accessories are shop-fit to the tank but disassembled for shipment



## About Perry Fiberglass Products

Perry Fiberglass was established in 1984 and is a leader in the design and manufacturing of chemical scrubbers, biofilters/biological filters, and carbon adsorbers, as well as storage tanks, stacks, ductwork, piping, fans, and custom/OEM products.

Our FRP products serve a wide array of industries including:

- Municipal Wastewater and Water Treatment
- Chemical Processing and Manufacturing
- Pulp & Paper Mills
- Food Processing
- Pharmaceuticals
- Power Generation
- Metal Plating & Finishing
- Petroleum Refining
- Bio Fuels
- Mining
- Agriculture

Perry Fiberglass's expert design and production teams utilize state-of-the-art computerized engineering and manufacturing techniques to provide you with long lasting, cost effective solutions tailored to your exact needs.

Our mission is to provide high quality FRP products manufactured to our customers' specifications and in compliance with recognized codes and standards, including RTP-1, ASTM, ANSI, ASME, UL, SMACNA, and the Basic Uniform Mechanical Code. Our emphasis on quality and service by trained personnel is paramount to our success.

### Corporate Headquarters

5415 Village Drive Rockledge, Florida 32955

### Manufacturing Facility

377 Woodland Avenue Elyria, Ohio 44035

