

# Fiberglass Underground Water Tanks



# Xerxes Fiberglass Water Tanks

## Fiberglass Tanks for Long-Term Storage of Water

As communities, businesses and industries become increasingly accountable to meet environmental requirements for liquids that require safe, design-proven storage, Xerxes is in the forefront with innovative answers. When considering the options in customized systems to store water, facility designers and owners look for a long-term, structurally strong, watertight and cost-effective option. That is exactly what the Xerxes fiberglass tank is.

For decades, Xerxes has been well-known as a major tank supplier to the petroleum industry, with more than 100,000 tanks installed. Many of the world's largest oil companies rely on Xerxes to supply environmentally safe underground tanks for storage of gasoline at their retail service stations. Throughout

the neighborhoods and communities of America, Xerxes underground tanks are in place, simultaneously storing products and protecting the environment.

Today Xerxes is taking its place in those same neighborhoods and communities as a major supplier of storage tanks for water — potable water, fire-protection water, irrigation water, gray water, rain water, stormwater and emergency-supply water — as well as other liquids, such as septage, leachate and chemicals. Each time a Xerxes fiberglass underground tank is delivered to a customer, the same performance standard has been met — a vessel for safe underground storage of liquid and careful protection of the environment.

## Tanks Designed and Manufactured by a Long-Time Industry Leader

Xerxes is a leader in the design and manufacture of high-quality, cost-effective products that help protect the fragile relationship between humans and their environment. Each Xerxes water tank represents decades of innovation and proven experience developing and fabricating fiberglass storage tanks for underground storage of liquids.

At Xerxes, excellence in service is as highly valued as excellence in product design and manufacturing. Xerxes' strategically located manufacturing facilities in the United States provide customers with prompt, economical delivery and quality service. That gives Xerxes tanks one more advantage — they are readily available to customers wherever they are.

### Features of Xerxes Water Tanks

- Constructed of rustproof, long-lasting fiberglass
- Manufactured to meet customers' functional requirements
- Designed for added strength with integral ribs
- Designed for H-20 load conditions
- Easy to ship and install
- Can be purchased with accessories that allow for both preinstallation and postinstallation pressure testing
- Manufactured to applicable requirements of Underwriters Laboratories (UL) 1316
- Manufactured with resin conforming to NSF Standard 61 requirements (potable water tanks)
  - NSF listed tanks also available
- Available in sizes from 600 gallons to sizes in excess of 50,000 gallons





## Watertight Tanks Featuring the Many Benefits of Fiberglass

A fiberglass water tank, both by virtue of its materials and its design, is inherently the superior choice for safe, long-term storage of water for a wide range of applications. The best storage system for water is structurally strong, corrosion-resistant, watertight, easily installed and cost-effective. All these elements come together in the design and manufacture of a Xerxes fiberglass water tank.

Xerxes uses only high-quality resin and glass in the manufacture of its fiberglass tanks. Integral ribs in the tanks add strength to the structure. Because the integral ribs and tanks are made of the same materials and are manufactured simultaneously, the result is an extremely robust tank.

Another common material used in tanks today is concrete, in either the form of precast concrete or cast-in-place concrete. Precast tanks are heavy, and therefore can be difficult to ship and to install. When larger capacity tanks (approximately 6,000 gallons and greater) are required, precast tanks are generally not available. Therefore, a cast-in-place tank is the only concrete option. Cast-in-place tanks cannot undergo the careful quality-control process that fiberglass tanks manufactured in a factory do. This quality control is key to producing a strong, watertight tank. The installation and proper curing of cast-in-place tanks can be very time-consuming, taking days or weeks, as opposed to the one-day installation typical for a Xerxes fiberglass tank.

Since a Xerxes fiberglass tank is significantly lighter in weight than comparably sized concrete tanks, a fiberglass tank is much

easier to ship and install. This is especially important for water applications because many of these tanks are installed in hard-to-access or even remote locations, or are at sites with limited excavation space, and the heavy equipment required to install concrete or steel tanks presents a problem.

Lightweight fiberglass tanks are ideally suited to a variety of water tank projects, whether the site is in a rural community, a remote location or the middle of a city. A few examples of the many recent Xerxes water tank installations are: potable water in a mountain housing development, emergency drinking supplies in a Florida community and firewater reserves in a U.S. National Forest Service ranger station.

Since water by nature can create a corrosive environment, it is likely that rust can be a major weakness in certain underground water storage systems. Unlike tanks made of other materials, Xerxes fiberglass tanks are constructed of materials that are inherently rustproof. In contrast, to guard against corrosion or to provide compatibility with the water being stored, tanks constructed of concrete or steel may require internal and external coatings. Of the tank options available for water storage, a fiberglass tank offers the best long-term protection against leakage due to both internal and external corrosion.

Not only is a Xerxes tank rustproof, it is also watertight. Easily equipped for on-site pressure testing before and after installation, Xerxes water tanks give owners the confidence that the tank is watertight from the time it is installed.

# Fiberglass Water Tanks for Potable Water Applications

Each Xerxes potable water tank is designed and manufactured to meet a customer's specific requirements. A major benefit of ordering a Xerxes potable water tank is that it can be manufactured with materials that conform to the requirements of NSF® Standard 61 — Drinking Water System Components — Health Effects. A Xerxes potable water tank is also available as an NSF-listed and labeled tank.

The National Sanitation Foundation (NSF) is a leading international organization that develops standards, and tests and certifies products in the areas of public health safety and environmental protection. Xerxes potable water tanks are manufactured with a resin that has been approved as conforming to NSF standards for drinking water system components, demonstrating once again that Xerxes is a pioneer in its industry.

The process by which Xerxes manufactures potable water tanks with NSF-listed materials offers a significant advantage over steel and concrete tanks. The Xerxes fiberglass potable water tank is an integral structure incorporating an NSF-listed-resin interior with a polyester-resin-glass exterior. This is the most effective combination for a potable water tank.

Steel and concrete storage systems typically use internal linings to meet industry standards for potable water. In order to be effective, these linings require a degree of adhesion that can be difficult to obtain in the manufacturing process and to maintain over the life of the system. When linings are



constructed of materials different from the tank materials, the durability of the end product can be compromised. In short, a Xerxes fiberglass potable water tank offers many advantages over these systems.

Another significant advantage of a Xerxes potable water tank is that because it is lightweight a Xerxes tank can be easily installed in the remote locations that are common to potable water system installations, such as campgrounds, resorts, national parks and private homes.



# Fiberglass Water Tanks for Fire-Protection Water Applications

Growing concerns about fire safety and increased use of sprinkler systems in building construction have resulted in a new demand for underground tanks for the storage of fire-protection water. Because of this, residential and commercial building designers need to find safe, reliable and cost-effective systems for the storage of fire-protection water in their projects. Often, new regulatory codes and insurance requirements are calling for stand-alone, standby water supplies. Common examples of fire-protection water applications are schools, housing developments, medical centers, resort properties and casinos.

Xerxes fiberglass water tanks are becoming an especially popular choice for all types of water applications in rural, suburban and urban facilities. Whether the need is as a sole source of water in rural areas or as a standby water reservoir to supplement a pressurized municipal water system, a Xerxes tank provides maintenance-free underground storage of water.

Recent changes in NFPA codes require system design alternatives, such as standby water reservoirs when the existing pressurized water supply is inadequate or when water-pressure levels are not dependable. The 2001 edition of NFPA 1142 Standard on Water Supplies for Suburban and Rural Fire Fighting depicts a fiberglass underground storage tank to illustrate a sole-source water cistern.

A Xerxes underground tank used as a water reservoir has many advantages over an aboveground tank used for the same purpose.



For instance, it does not occupy valuable property that could be used for parking or other needs, and it makes the property aesthetically pleasing. Also, since the tank is buried, it does not require the expensive protection against water freezing that might be necessary with an aboveground tank.

A growing trend is to use a water tank as a dual-purpose tank, such as for potable water and fire-protection water. A Xerxes fiberglass tank using NSF-listed resin is ideally suited for such dual-purpose applications.

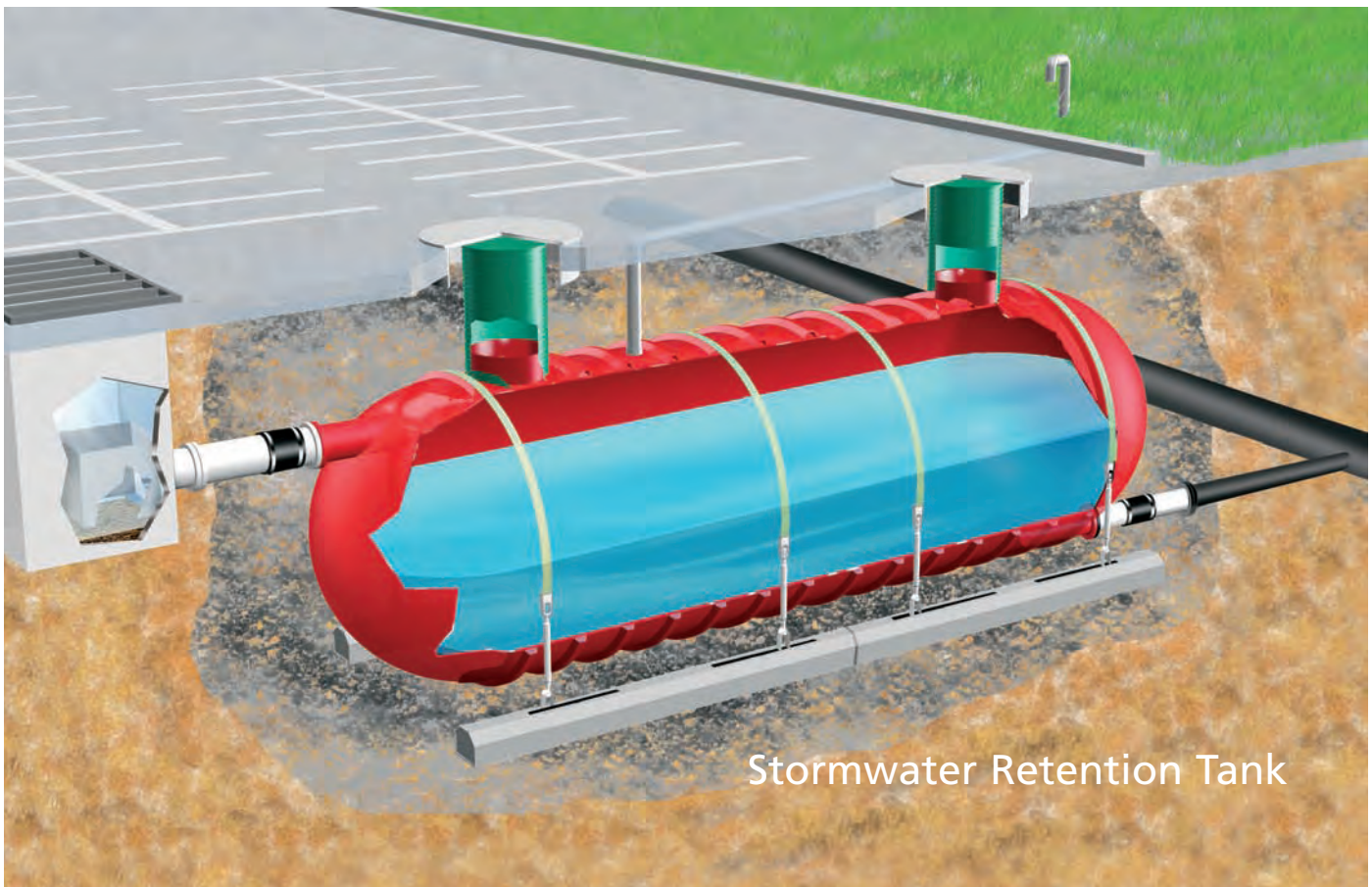


# Fiberglass Water Tanks for Stormwater Retention Applications

Changes in stormwater management are being driven from two directions — environmental concerns and land costs. To address the groundwater contamination or flooding that can occur when stormwater runs directly into sewer systems, new regulations in many communities require a specific retention time before allowing stormwater to run into the drainage system.

Traditionally, a retention pond has been used to meet this requirement. One of the major benefits of using an underground water tank for stormwater retention is that it allows developers and property owners to make better use of the property while simultaneously meeting retention-in-time requirements and protecting the environment. With property values high and parking space limited at many commercial sites, this is a significant advantage to property owners. In addition, a Xerxes tank is available nationwide and in a variety of sizes.

A Xerxes stormwater retention tank has all the usual advantages of an underground fiberglass tank. It is lightweight and, therefore, easy to install. It is watertight and can be purchased to be testable for watertightness. It is corrosion-resistant, thus easy to maintain. It is H-20 axle-load rated, which means it is ideally suited for use beneath parking lots. When a higher level of stormwater treatment is necessary, a Xerxes underground oil/water separator is a superior option. Xerxes has a variety of fiberglass products that meet the ever-changing needs of customers for stormwater retention.



Stormwater Retention Tank

## Other Common Applications for a Xerxes Fiberglass Water Tank

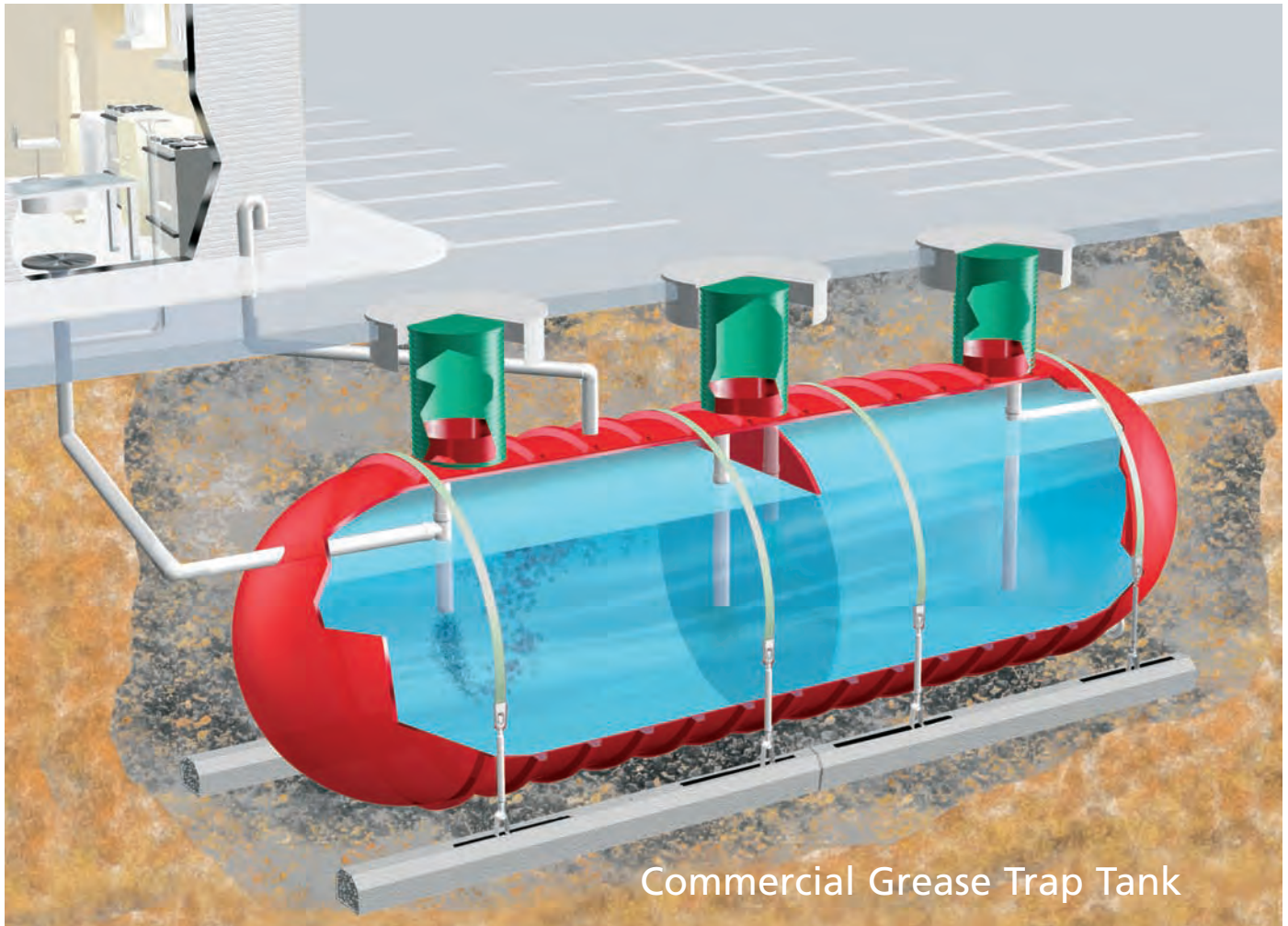
In addition to these uses of a Xerxes water tank — for potable water, fire-protection water and stormwater retention — a fiberglass water tank is a superior choice for numerous other water applications. Examples of the flexibility of Xerxes water tanks is that they can be designed and manufactured for such diverse applications as field-irrigation water, rainwater collection, livestock and wildlife water supplies, emergency water supplies and gray water (for example, residential dish-washing water, laundry water and bath water). Again, whatever a customer's water tank needs, a Xerxes water tank can be designed and manufactured to meet that particular application.

In addition to the specific types of water tanks outlined in this brochure, Xerxes also manufactures tanks for other water and wastewater applications, oil/water separators with coalescers that can reduce the oil content of stormwater runoff to 10 ppm, grease traps commonly used in commercial kitchen applications and a wide variety of septic tanks that are increasingly popular in on-site wastewater systems. (Contact your Xerxes sales representative to obtain Xerxes sales literature on these specific products.)

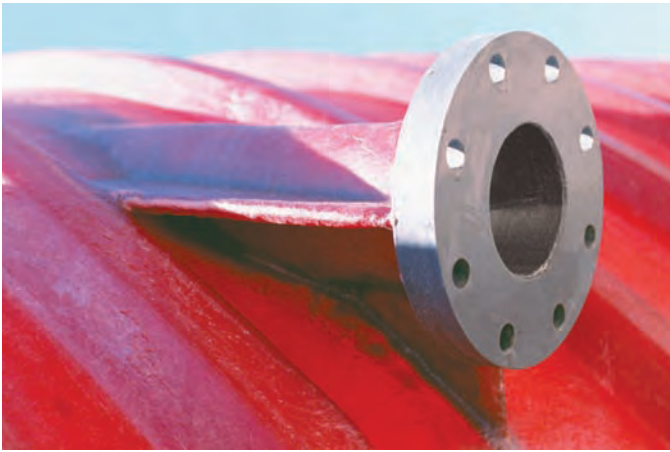
Xerxes has a proven record of innovative design and a quality-driven manufacturing process at its network of plants across the country. This results in a Xerxes tank that is high-quality and competitively priced. A Xerxes water tank has the added benefit that it can be removed, recertified and relocated. These features make a Xerxes tank a cost-effective option with expanded value for an initial investment.

### Typical Water Applications

- National and state parks
- Housing developments
- Schools
- Resorts
- Campgrounds
- Emergency water supplies
- Rural properties
- Rest areas
- Truck stops
- Casinos
- Water recirculation systems
- Large private properties
- Livestock feeding operations
- Residential cisterns
- Car washes



# Optional Tank Accessories to Fit a Variety of Water Applications



As the demand for Xerxes tanks expands into ever-growing types of water applications, the need for specific accessories to complement these tanks expands as well. A goal at Xerxes has always been to meet the challenge of a constantly changing market by meeting the functional requirements of system designers and owners. Xerxes meets that challenge by developing and manufacturing a wide — and growing — range of water tank accessories such as those listed on this page.



In some cases, Xerxes products that are commonly used in the petroleum industry, such as FRP hold-down straps and prefabricated concrete deadmen, have direct application in water tank system designs. In other cases, Xerxes has designed products specifically for use as water tank accessories, such as baffles/partition walls, access risers, pump platforms and anti-vortex plates (to name just a few). Together, these products provide solutions for the needs of the water storage industry.



One example of a cost-saving innovation introduced by Xerxes is the large-diameter tank bottom sump, which Xerxes designed to eliminate the need and expense of a separate lift station when full use of a tank's capacity is necessary. The Xerxes bottom sump provides that requirement while at the same time eliminating a potential source of leakage in the piping between a lift station and tank.



Whether a customer's particular water storage need is met by the full range of complementary accessories now available, or by a unique solution Xerxes develops for a specific customer requirement, Xerxes works diligently with customers and the industry to continue to offer solutions to a host of water storage needs.

## Optional Water Tank Accessories

- FRP manways (22-inch, 30-inch and 36-inch in diameter)
- FRP manway extensions (variable length)
- FRP or PVC drop/fill tubes
- FRP ladders
- Internal pump platforms
- FRP anti-vortex plates
- Flanged FRP nozzles
- Threaded FRP or steel fittings
- Large-diameter bottom sumps
- Internal baffles/Partition walls
- Hinged and lockable lids
- FRP hold-down straps
- Concrete deadmen



# Single-Wall Tank Chart

Nominal Capacity (gallons)	Actual Capacity (gallons)	Tank Length	Shipping Weight (pounds)	Number of Hold-Down Straps Required
<b>4-Foot-Diameter Tanks</b>				
600	602	6'-11 7/8"	500	2
1,000	1,009	11'-3 7/8"	700	2
1,500	1,449	16'-0"	1,000	2
<b>6-Foot-Diameter Tanks</b>				
1,500	1,779	10'-7 1/4"	800	2
2,000	2,376	13'-5 3/4"	1,000	2
3,000	2,973	16'-4 1/4"	1,200	2
4,000	4,131	21'-11 1/8"	1,600	2
5,000	5,064	26'-5"	1,900	4
6,000	5,960	30'-8 3/4"	2,200	4
<b>8-Foot-Diameter Tanks</b>				
2,000	2,189	9'-1/2"	900	2
3,000	3,271	12'-3"	1,200	2
4,000	4,218	15'-1/2"	1,400	2
5,000	5,165	17'-8 1/2"	1,700	2
6,000	6,084	20'-6 1/2"	2,000	2
7,000	6,946	23'-1"	2,200	4
8,000	7,950	26'-1/2"	2,500	4
9,000	8,869	28'-9"	2,700	4
10,000	9,816	31'-6 1/2"	3,000	4
11,000	10,763	34'-4"	3,200	4
12,000	11,682	37'-1/2"	3,500	4
13,000	13,081	41'-2"	4,000	6
14,000	14,028	43'-11 1/2"	4,200	6
15,000	14,975	46'-9"	4,500	6
<b>10-Foot-Diameter Tanks</b>				
10,000	10,563	21'-5 1/4"	3,200	4
11,000	11,364	22'-9 3/4"	3,400	4
12,000	12,068	24'-1/4"	3,600	4
13,000	12,966	25'-6 3/4"	3,800	4
14,000	13,767	26'-11 1/4"	4,000	4
15,000	15,248	29'-5 3/4"	4,500	4
20,000	20,055	37'-8 3/4"	5,700	6
22,000	22,580	42'-3/4"	6,600	8
25,000	25,783	47'-6 3/4"	7,900	8
30,000	30,590	55'-9 3/4"	9,400	10
35,000	35,397	64'-3/4"	10,500	12
40,000	41,004	73'-8 1/4"	12,100	14
<b>12-Foot-Diameter Tanks</b>				
20,000	20,781	29'-4"	9,200	6
25,000	25,541	35'-7"	10,600	8
30,000	31,253	43'-1"	12,500	10
35,000	36,013	49'-4"	13,900	12
40,000	39,821	54'-4"	15,000	12
48,000	48,389	65'-7"	17,700	18
50,000	50,293	68'-1"	18,300	18

# Guide Specifications – Single-Wall FRP Tanks for Water Use

## Short Form:

The contractor shall provide a single-wall fiberglass reinforced plastic (FRP) underground storage tank as shown on the drawings. Sizes and fittings shall be as shown. The tank shall be a fiberglass tank as manufactured by Xerxes Corporation.

Tank shall be tested and installed according to the Xerxes Installation Manual and Operating Guidelines in effect at time of installation.

## Long Form:

### Part I: General

#### 1.01 Quality Assurance

##### A. Acceptable Manufacturer: Xerxes Corporation

##### B. Governing Standards, as applicable:

1. Tank manufacturer shall be in the business of manufacturing tanks to Underwriters Laboratories, Inc. (UL) Standard 1316.
2. Tank manufacturer shall be in the business of manufacturing tanks with the NSF Standard 61 listing.
3. Tank manufacturer shall be in the business of manufacturing tanks conforming to the requirements of ANSI/AWWA D120-02 Thermosetting Fiberglass-Reinforced Plastic Tanks.

### Part II: Products

#### 2.01 Single-Wall Fiberglass Reinforced Plastic (FRP) Underground Storage Tanks:

##### A. Loading Conditions — Tank shall meet the following design criteria:

1. Internal Load — Tank shall be designed to withstand a 5-psig air-pressure test with 5:1 safety factor. When tank is designed for on-site testing, contractor shall individually test tank for leakage prior to installation. Maximum test pressure is 5 psig (3 psig for a 12'-diameter tank).
2. Vacuum Test — Tanks 10'-diameter tank and smaller shall be designed to withstand a vacuum test to 11.5" of mercury.
3. Surface Loads — Tank shall withstand surface H-20 axle loads when properly installed according to tank manufacturer's current Installation Manual and Operating Guidelines.
4. External Hydrostatic Pressure — Tank shall be capable of being buried in ground with 7' of overburden over the top of the tank, the hole fully flooded and a safety factor of 5:1 against general buckling.
5. Tank shall support accessory equipment — such as internal pump platforms, drop/fill tubes, submersible pumps and ladders — when installed according to tank manufacturer's current Installation Manual and Operating Guidelines.

##### B. Product Storage:

1. Tank shall be capable of storing water products with specific gravity up to 1.1.
2. Tank shall be vented to atmospheric pressure.
3. Tank shall be capable of storing products identified in the manufacturer's current standard limited warranty.

##### C. Materials:

1. Tank shall be manufactured with 100% resin and glass-fiber reinforcement. No sand fillers.

2. The laminate materials used in the internal coating system of a potable water tank shall conform to the requirements of NSF Standard 61.

##### D. Tank Dimensions (Refer to Xerxes literature on gallonage.):

1. Tank shall have nominal capacity of \_\_\_\_\_ gallons.
2. Tank shall have nominal outside diameter of \_\_\_\_\_ feet.
3. Tank shall have approximate overall length of \_\_\_\_\_ feet and \_\_\_\_\_ inches.

#### 2.02 Accessories

##### A. Optional Anchor Straps:

1. Straps shall be FRP anchor straps as supplied by tank manufacturer.
2. Number and location of straps shall be specified in current literature by tank manufacturer.

##### B. Optional Manways (required for potable water tanks):

1. All manways shall be flanged and 22" I.D., complete with gasket, bolting hardware and cover. (30" and 36" I.D. manways are also available on certain larger tanks.)
2. Location is shown on tank drawings.
3. Optional manway extensions shall be FRP.

##### C. Optional Drop/Fill Tubes:

1. Drop/fill tubes shall be FRP and shall terminate a minimum of 4" from the bottom of tank.
2. Drop/fill tubes for potable water tanks shall be manufactured with materials conforming to the requirements of NSF Standard 61 or shall be NSF-listed PVC.

##### D. Optional Ladders:

1. Ladders shall be the standard ladder as supplied by tank manufacturer.
2. Ladders for potable water tanks shall be manufactured with materials conforming to the requirements of NSF Standard 61.

##### E. Optional Fittings:

1. All threaded fittings shall be constructed of carbon steel or FRP.
2. All standard threaded fittings shall be half-couplings and shall be 2", 4" or 6" in diameter. Reducers are to be used for smaller sizes where shown and provided by contractor.
3. All FRP and PVC nozzles shall be flat-faced and flanged, and shall conform to ANSI B16.5 150# bolting pattern.

##### F. Optional Internal Pump Platforms:

1. Pump platforms shall be FRP.
2. Pump platforms for potable water tanks shall be manufactured with materials conforming to the requirements of NSF Standard 61.
3. Contact tank manufacturer with pump details, such as dimensions and weight.

##### G. Optional Access Openings (not for use with potable water tanks):

1. FRP access openings shall be 24" or 30" in diameter.
2. PVC risers and FRP lids shall be provided by tank manufacturer for field installation on access openings.

# Guide Specifications – Single-Wall FRP Tanks for Water Use

## Part III: Testing and Installation

### 3.01 Testing

A. Tank shall be tested according to the Xerxes Installation Manual and Operating Guidelines in effect at time of installation.

### 3.02 Installation

A. Contractor shall be trained by the tank manufacturer, the

state or other approved agency in proper installation procedures.

B. Tank shall be installed according to the Xerxes Installation Manual and Operating Guidelines in effect at time of installation.

## Part IV: Warranty

### 4.01 Warranty

Warranty shall be manufacturer's standard limited warranty in effect at time of purchase.

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## Limited Warranty

### Underground Water and Potable Water Tanks

Xerxes Corporation ("Xerxes") warrants to ("Owner") that our underground storage tanks for water other than potable water, if installed, used and maintained in the United States in accordance with Xerxes' published specifications, installation instructions and operating guidelines, and all applicable laws and regulations, and limited to the storage of water, other than potable water, at temperatures not to exceed 150° F, will be free from material defects in materials and workmanship for a period of one (1) year from date of original delivery by Xerxes.

Xerxes warrants to Owner that our underground storage tanks for potable water, if installed, used and maintained in the United States in accordance with Xerxes' published specifications, installation instructions and operating guidelines, and all applicable laws and regulations, and limited to the storage of potable water:

- 1) Will not fail for a period of thirty (30) years from date of original delivery by Xerxes due to natural external corrosion.
- 2) Will not fail for a period of thirty (30) years from date of original delivery by Xerxes due to internal corrosion, provided the tank is used solely for potable water, the customer provides Xerxes with written notice of its intended use before the tank is manufactured, and the water is stored at ambient temperatures.
- 3) Will not fail for a period of thirty (30) years from date of original delivery by Xerxes due to structural failure (defined as spontaneous breaking or collapse caused by material defects in materials or workmanship).
- 4) Will meet Xerxes' published specifications and will be free from material defects in materials and workmanship for a period of one (1) year following the date of original delivery by Xerxes.

Xerxes warrants to Owner that all Xerxes manufactured accessories for potable water tanks and water tanks other than for potable water, if installed, used and maintained in the United States in accordance with Xerxes' published specifications, installation instructions and operating guidelines, and all applicable laws and regulations, will be free from material defects in materials and workmanship for a period of one (1) year following the date of original delivery by Xerxes.

If any tank is to be removed from an installation, moved to Owner's new location and is intended for active service at the new location, the tank must be recertified by Xerxes in order to maintain the warranty as originally extended. The foregoing warranty does not extend to tanks or accessories (collectively "Goods") damaged due to acts of God, war, terrorism, or failure of Goods caused, in whole or in part, by misuse, improper installation, storage, servicing, maintenance, or operation in excess of their rated capacity or contrary to their recommended use, whether intentional or otherwise, or any other cause or damage of any kind not the fault of Xerxes. Xerxes only warrants repairs or alterations performed by Xerxes or its authorized contractors. Xerxes does not warrant any product, components or parts manufactured by others.

Owner's sole and exclusive remedy for breach of warranty is limited at Xerxes' option to: (a) repair of the defective tank or accessory, (b) delivery of a replacement tank or accessory, to the point of original delivery, or (c) refund of the original purchase price. A claimant must give Xerxes the opportunity to observe and inspect the tank and accessory prior to removal from the ground or the claim will be forever barred. All claims must be made in writing within one (1) year after tank and/or accessory failure or be forever barred. THE FOREGOING WARRANTY CONSTITUTES XERXES' EXCLUSIVE OBLIGATION AND XERXES MAKES NO OTHER WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, WITH RESPECT TO THE GOODS, OR ANY SERVICE, ADVICE, OR CONSULTATION, IF ANY, FURNISHED TO OWNER BY XERXES OR ITS REPRESENTATIVES, WHETHER AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE. THE SELLER (XERXES) UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE GOODS, EXCEPT AS OTHERWISE PROVIDED IN THIS CONTRACT. THE SELLER (XERXES) ASSUMES NO RESPONSIBILITY THAT THE GOODS WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU (OWNER) MAY BE BUYING THESE GOODS, EXCEPT AS OTHERWISE PROVIDED IN THE CONTRACT. THE REMEDIES SET FORTH IN THE ABOVE WARRANTY ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON OR ENTITY FOR BREACH OF WARRANTY OR FOR BREACH OF ANY OTHER COVENANT, DUTY, OR OBLIGATION ON THE PART OF XERXES. XERXES SHALL HAVE NO LIABILITY OR OBLIGATION TO ANY PERSON OR ENTITY FOR BREACH OF ANY OTHER COVENANT, DUTY, OR OBLIGATION UNDER THIS WARRANTY EXCEPT AS EXPRESSLY SET FORTH HEREIN. IT IS EXPRESSLY AGREED THAT THIS WARRANTY DOES NOT FAIL OF ITS ESSENTIAL PURPOSE. XERXES SHALL HAVE NO LIABILITY FOR COSTS OF INSTALLATION OR REMOVAL OF GOODS, ENVIRONMENTAL CONTAMINATION, FIRES, EXPLOSIONS, OR ANY OTHER CONSEQUENCES ALLEGEDLY ATTRIBUTABLE TO A BREACH OF WARRANTY, OR INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR OTHER DAMAGES OF ANY DESCRIPTION, WHETHER ANY SUCH CLAIM OR DAMAGES BE BASED UPON WARRANTY, CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER TORT, OR OTHERWISE. IN NO EVENT SHALL XERXES' TOTAL LIABILITY HEREUNDER EXCEED THE ORIGINAL PURCHASE PRICE OF THE GOODS WHICH GAVE RISE TO SUCH LIABILITY.

Consumer Notice: This warranty gives you (Owner) specific legal rights. You (Owner) may also have other rights which vary from state to state.

Effective 6/1/05



### Xerxes Manufacturing Facilities

### ZCL Manufacturing Facilities

#### Anaheim, CA

Phone 714.630.0012

Fax 714.632.7133

#### Seguin, TX

Phone 830.372.0090

Fax 830.372.0321

#### Hagerstown, MD

Phone 301.223.6933

Fax 301.223.6836

#### Tipton, IA

Phone 563.886.6172

Fax 563.886.2042

#### Edmonton, AB

Phone 800.661.8265

Fax 780.466.6126

#### Drummondville, QC

Phone 800.661.8265

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#### Waverley, NS

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