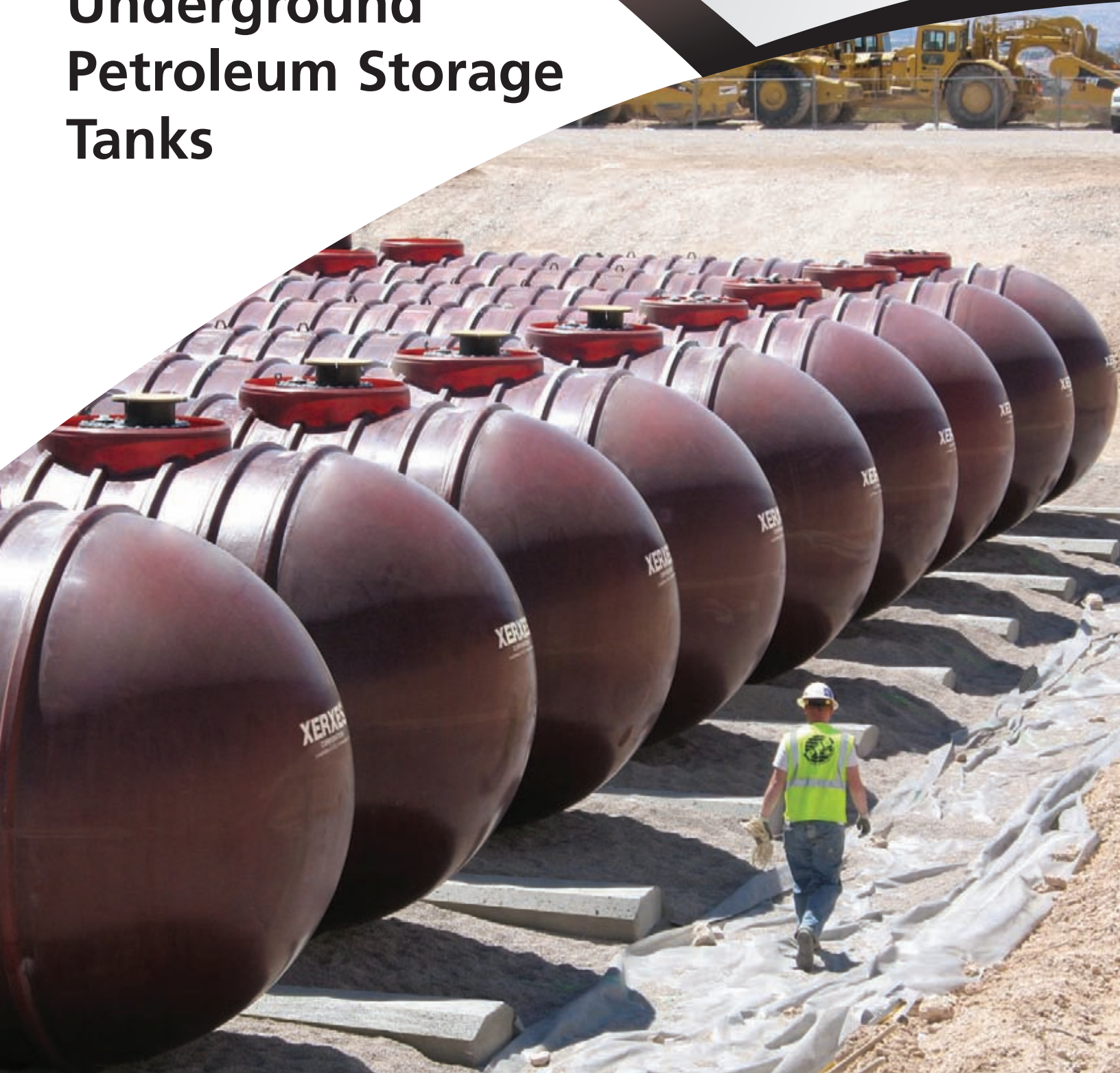


**XERXES**®

**CORPORATION**

a subsidiary of ZCL Composites Inc.

# Fiberglass Underground Petroleum Storage Tanks



# Xerxes® Fiberglass Tanks –

## A proven tank choice for the petroleum industry

After years of installing bare steel underground storage tanks for gasoline and diesel fuel, in the 1960s companies began to realize that leakage from steel tanks – because of rust both inside and outside – caused environmental problems. Since the mid 1960s, fiberglass underground storage tanks (USTs) have provided tank owners with a reliable corrosion-free option that led to federal regulations in the late 1980s mandating corrosion-protected tanks.

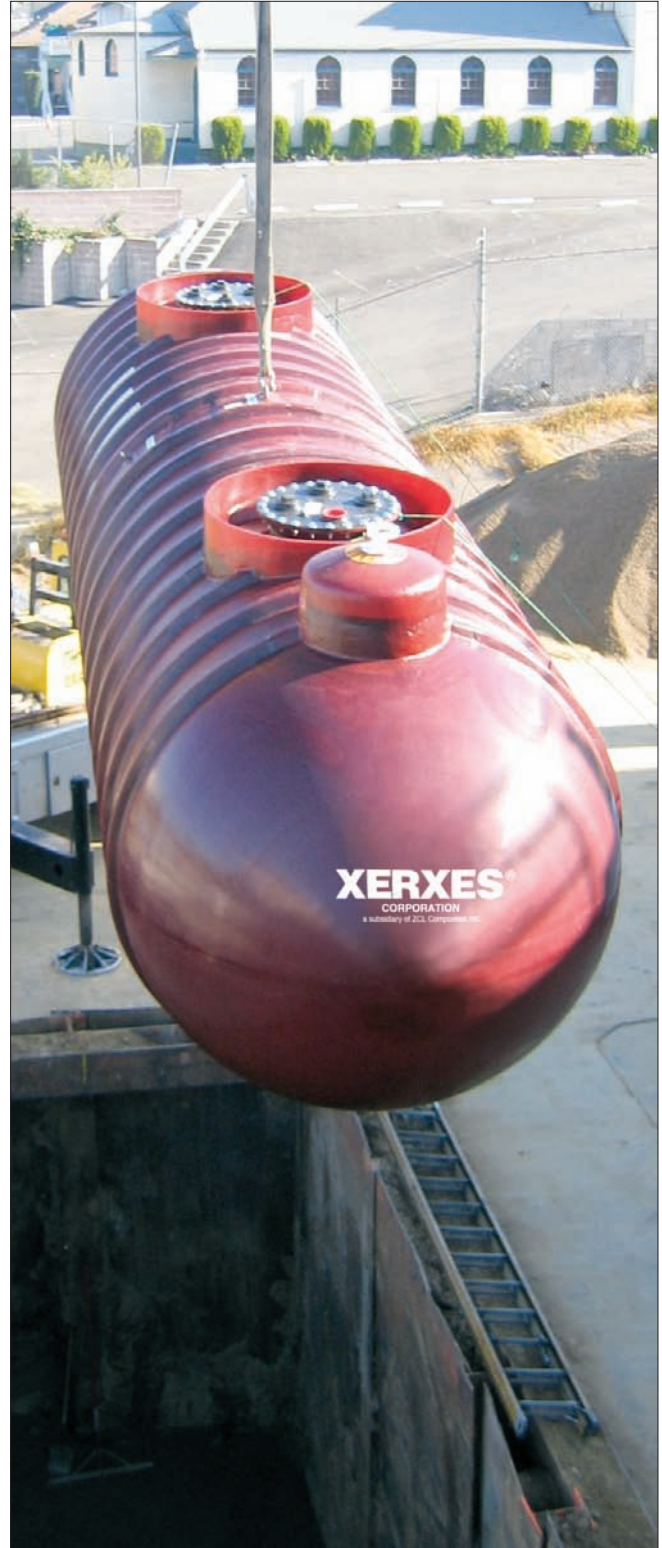
There are even more reasons to choose a Xerxes fiberglass tank today. It is compatible with new ethanol-blended fuels and biodiesels, requires no maintenance to prevent corrosion, and, unlike steel tanks, accommodates continuous hydrostatic monitoring. And in contrast to some other UST products, standing behind every Xerxes petroleum tank is an industry-leading 30-year limited warranty.

Today, more than 40 years after their introduction, a large percentage of USTs sold in North America are made of fiberglass. In fact, the tanks installed by the 50 largest fuel marketers in the United States are overwhelmingly fiberglass tanks. In Canada, it is estimated that more than 90 percent of tanks installed for petroleum storage are made of fiberglass. As of 2008, more than 150,000 Xerxes fiberglass tanks had been installed, and the number continues to grow.

In addition to their functional benefits, fiberglass tanks are significantly lighter and easier to install than steel tanks because they eliminate the expense of renting heavy equipment during installation. Yet another benefit is that fiberglass tanks can often be moved from an original installation site and be recertified for installation at a new location.

At Xerxes, we believe in going the extra mile for our customers. Headquartered in Minneapolis, Minnesota, with four manufacturing facilities strategically located for economical delivery and quality service, Xerxes is committed to customer satisfaction and quality products. Together with our parent company, ZCL Composites Inc., we are North America's choice in underground storage – for today and for tomorrow.

*Xerxes is dedicated to delivering high-quality products that help preserve the environment, whether in the middle of a city, a suburban neighborhood or a rural setting.*



## Xerxes – a long-time industry leader and pioneer



For decades, Xerxes has proven itself an industry leader in developing and fabricating fiberglass reinforced plastic (FRP) structural products. Xerxes' commitment to quality and innovation is the foundation of the strong, long-lasting relationships we have with our customers. Xerxes engineers were the first to utilize integrally constructed ribs in fiberglass tanks for added strength. Xerxes was also the first to manufacture a UL-listed, double-wall fiberglass underground storage tank (UST) and the first to incorporate the unique benefits of hydrostatic monitoring into a factory-manufactured design.

As customers' needs change and as regulations become more complex, Xerxes continues its history of innovation by developing products that meet the changing needs of customers in the petroleum, water and wastewater industries. Today, the Xerxes® tank product line includes double-wall, triple-wall and multicompartment tanks, as well as oil/water separators, wet-wells and

prepackaged lift stations. Complementing these product lines is a wide variety of Xerxes-supplied accessories that not only provide for speed and ease of installation (such as prefabricated concrete deadmen) but also respond to changing regulations. Our innovative double-wall containment sump is an example of this. Xerxes is committed to developing new and complementary accessories to our growing line of products, with a careful eye on new industry demands and trends.

Today, as part of ZCL Composites Inc., Canada's leading provider of fiberglass USTs, product innovations such as ZCL's Phoenix System® and Prezerver™, and use of Parabeam®, further enhance our premiere product line. (See pages 5 and 7 of this brochure for more information.) Together, Xerxes and ZCL are widely recognized as North America's leading provider of underground fiberglass storage tanks.

### The Xerxes Mission Statement

To be the leading global provider of environmentally friendly liquid storage solutions, while providing superior returns to our shareholders.

# The benefits of Xerxes® fiberglass underground storage tanks

The best choice for underground storage of petroleum products is a structurally strong, corrosion-resistant, easily installed and cost-effective vessel. That's what a customer finds in every Xerxes tank, which is designed and manufactured with high-quality resin and glass, and features unique integral ribs. Like structural beams, integral ribs add strength, and because the ribs and tanks are made of the same materials and are manufactured simultaneously, the result is an extremely robust product.

## The solution to new corrosion concerns

Made of corrosion-resistant materials, Xerxes fiberglass tanks eliminate the possibility of either external or internal rusting of the tank. For years, the concern in the petroleum industry was about external corrosion. Since fiberglass doesn't rust, and steel can, this gave fiberglass tank manufacturers a natural edge. Today, corrosion concerns in petroleum tanks center on internal corrosion, an even more pressing matter because of new fuels, such as ethanol blends and biodiesels. Together, the removal of lead from gasoline and the growing popularity of biofuels have led to heightened awareness about corrosive environments inside storage tanks.

A certain amount of water usually exists in the bottom of tanks, and that can lead to the microbial-induced corrosion (MIC) in steel tanks. Ethanol increases the likelihood of water in tanks, and the resulting microbial growth. To date, there is not a single reported instance in a fiberglass tank of failure due to internal corrosion caused either by MIC or by water bottoms. Based on widely distributed advice, combatting internal corrosion in steel tanks requires regular maintenance – in the form of frequent inspection



for and removal of water from tank bottoms. In contrast, fiberglass tanks require no maintenance against corrosion.

Many believe that this new concern about internal corrosion is the reason the Steel Tank Institute (STI) and some steel-tank manufacturers have significantly reduced their warranty coverage, from 30 to 10 years. Since Xerxes fiberglass tanks are compatible with the new biofuels, including E10, E85 and biodiesel blends, Xerxes confidently holds to its longstanding 30-year warranty, which explicitly provides 30 years of internal corrosion coverage "with or without water bottoms."



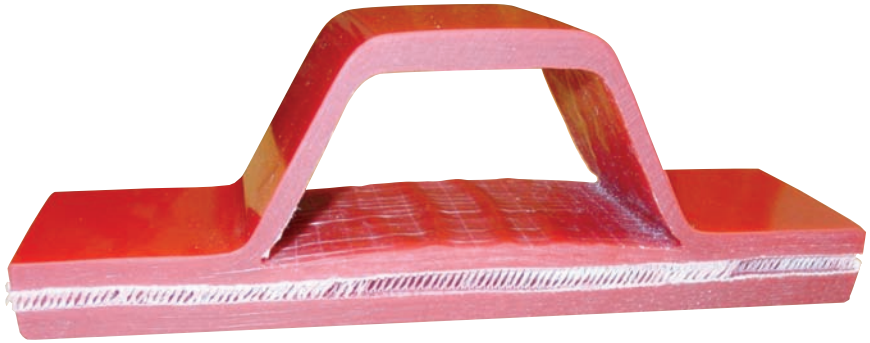
## Why choose a Xerxes® tank?

- **Fuel compatibility** – Xerxes tanks are UL-listed for all ethanol-blended fuels, including E10 and E85, and are fully compatible with new diesel blends, including ultra-low sulfur diesel (ULSD) and biodiesel blends.
- **Maintenance-free** – Xerxes does not require the frequent inspection for and removal of tank water bottoms, which is a time-consuming and expensive maintenance step that is strongly recommended by the steel tank industry for its products. While some manufacturers' warranties limit coverage when water bottoms are present, Xerxes' warranty specifically states "with or without water bottoms."
- **30-Year warranty** – While the warranty duration for many other storage tanks has been dramatically reduced in recent years, Xerxes continues to provide a 30-year limited warranty, backed by the financial strength of North America's leading storage tank manufacturer.
- **Continuous monitoring** – Interest is growing in the use of a "continuous monitoring" system in the interstice of a new double-wall tank. In fact, states such as California have regulations requiring it. Xerxes' TRUCHEK® hydrostatic monitoring system, with an outstanding 20-year track record, is the perfect solution. The alternative vacuum systems in the market (which can be expensive to maintain) have but a small fraction of the in-service history that TRUCHEK offers.
- **Tank of choice** – Fiberglass tanks represent the overwhelming choice of the 50 largest petroleum marketers in the United States, based on their annual tank purchases. As the leading supplier of underground storage tanks, Xerxes is the tank of choice for all petroleum applications, whether retail, commercial, or industrial.



## Xerxes® tanks now offer the benefits of Parabeam®

Xerxes double-wall tanks now feature Parabeam® 3D glass fabric, a lightweight yet strong “sandwich” laminate that offers excellent mechanical properties. Parabeam® is a unique glass fabric consisting of two decklayers woven together by vertical glass piles that form an integral sandwich structure. When the Parabeam® is impregnated with a thermoset resin, the fabric rises to the preset height, producing a unique laminate with a defined interstitial space that can be monitored hydrostatically or with a dry leak-detection system. Parabeam® is a wholly-owned subsidiary of ZCL, allowing both



Xerxes and ZCL to incorporate a proprietary material that has been successfully used in Canada for more than 12 years.

## ZCL's Prezerver™ System enhances Xerxes' product line

A new option for Xerxes customers is the ZCL Prezerver™ System. This “system” solution for owners of petroleum fueling facilities provides a level of equipment reliability and third-party liability protection that is unique in the industry. At the center of the Prezerver™ System are the industry's leading choices for product storage: Prezerver™ double-wall tanks or the ZCL Phoenix System®, together with a unique and comprehensive package of insurance protection, which is only available to Prezerver™ System customers. Additionally, each Prezerver™ System installation has site inspections of critical steps that are documented by a qualified third-party firm and compiled into a professional final inspection report (including photos), which is then provided to the owner.

While this program goes beyond federal financial responsibility (FR) requirements for tank owners, it is designed to comply with various states' minimum FR requirements. (Check with the spe-

cific requirements of your state.) Owners in states that provide a state fund intended to address FR requirements in lieu of private insurance will find the broad coverage of the Prezerver™ Master Program of Insurance to be very attractive, offering a level of coverage that exceeds that of state funds. (See Xerxes' ZCL Prezerver™ System brochure for more information.)

Each Prezerver™ System includes the following components:

- Prezerver™ double-wall tank and required accessories
- TRUCHEK® hydrostatic monitoring system
- FRP containment collar and sump with a watertight lid
- prefabricated, engineered, concrete deadmen
- FRP hold-down straps and galvanized turnbuckles
- approved double-wall piping system
- approved fiberglass dispenser sumps
- approved electronic monitoring system for the tanks, piping and all sumps.

### Benefits of ZCL's

#### **PREZERVER™ SYSTEM**

- may eliminate the need to purchase/renew annual insurance policies (with unpredictable premium costs) for 10 years
- provides confidence that the fueling system is correctly installed
- provides permanent record of key installation steps, with an inspection report that includes photos
- may avoid the need to purchase state-mandated private insurance – providing significant savings
- coverage for existing tanks may be available at below-market rates (subject to underwriting requirements)

# TRUCHEK® – state-of-the-art continuous monitoring

To enhance the double-wall protection of a Xerxes® tank, Xerxes offers the option of TRUCHEK, its state-of-the-art system of hydrostatic, tank monitoring for double-wall tanks. TRUCHEK is an easy, precise and reliable method for both continuous leak detection and tank-tightness testing. Like the tanks that Xerxes manufactures, TRUCHEK provides a long, successful record of performance.

## Continuous leak detection

For nearly two decades, the Xerxes® TRUCHEK system has successfully monitored thousands of tanks in many different types of installations. In fact, it has become an industry standard as a



state-of-the-art technique for continuous monitoring. Changing regulations in some markets, such as California, require that new double-wall tanks have continuous leak detection using a constant vacuum, air pressure or hydrostatic pressure in the interstice of a double-wall tank. A Xerxes tank with TRUCHEK's continuous leak detection is the ideal solution for complying with these strict new requirements.

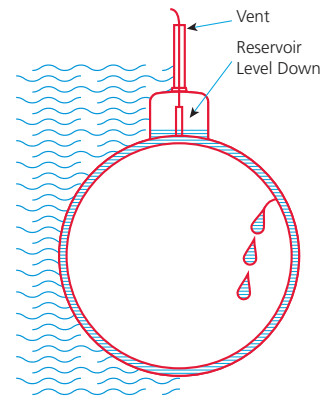
While being highly effective, TRUCHEK is also simple and trouble-free in both design and operation. With TRUCHEK, simple monitoring of the fluid level inside the reservoir of a Xerxes double-wall tank is all that is necessary. When you order a Xerxes double-wall tank with the TRUCHEK option, the interstice between the two tank walls is filled at the factory with a monitoring fluid. This water/calcium-chloride fluid also partially fills a reservoir on the top of the tank. This creates a hydrostatic pressure throughout the interstice, enabling the operator to monitor the walls of both the primary tank and the secondary tank. An electronic probe placed in the tank's reservoir alarms when the fluid level either falls below or rises above the acceptable level. (See the Xerxes TRUCHEK brochure for more information.)

## Tank-tightness testing

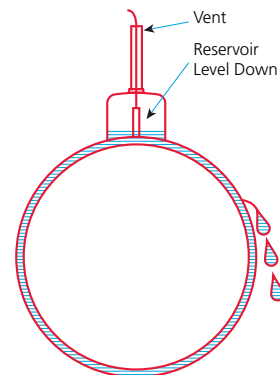
TRUCHEK also provides a simple, precise and reliable method to perform a tank-tightness test. It takes into account the impacts of thermal expansion or contraction of the product, vapor pockets, tank deflection, evaporation, condensation and the location of the water table. The 10-hour tightness-test procedure meets the strict NFPA 329 criteria. A shorter 4-hour test (while product is dispensing) exceeds EPA's criteria for a tank-tightness test.

## How does TRUCHEK® work?

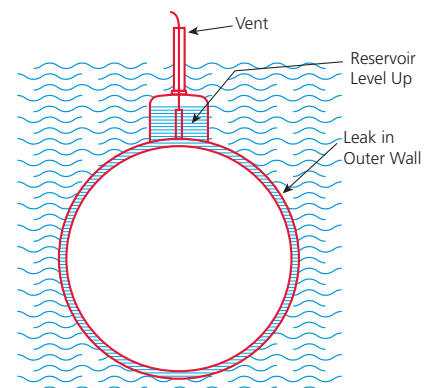
### Primary-Tank Leak in Wet Hole or Dry Hole



### Secondary-Tank Leak in Dry Hole



### Secondary-Tank Leak in Wet Hole

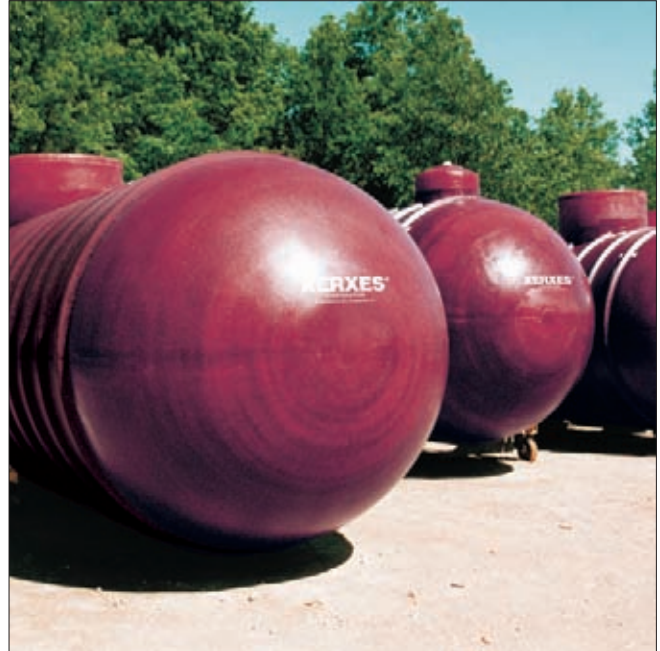


## Additional underground storage tank solutions

Whether a customer needs two or three tanks in one, tertiary containment, or an upgrade of an existing single-wall tank, Xerxes has products that meet a customer's requirements. Together with a full line of tank accessories, Xerxes offers customers the most comprehensive range of storage tank solutions found in the petroleum equipment industry.

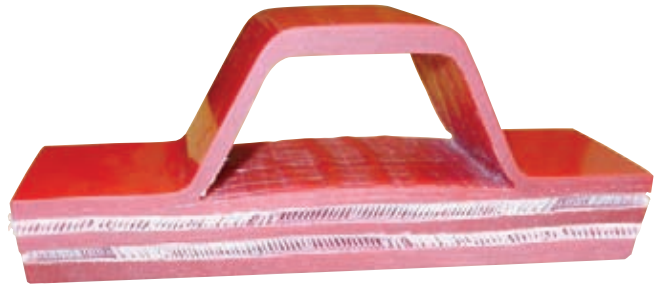
### Multicompartment tanks – a popular option for retail marketers

Whether a customer needs two tanks in one, or three tanks in one, the Xerxes® multicompartment fiberglass underground storage tank offers a superior option for the storage of more than one product at a site. These Xerxes tanks are a popular choice among retail gasoline marketers and convenience-store owners. The ability to store two or three grades of fuel, or gasoline and diesel, in a minimal amount of space is particularly appealing when available property is limited and the amount of onsite space needed for multiple tanks is difficult to obtain. Customers may also find installation and insurance cost savings when using multicompartment tanks. Some regulatory agencies require a double-wall bulkhead between certain products, for instance, between diesel and unleaded fuel. The Xerxes double-wall multicompartment tank comes standard with a double-wall bulkhead, while other tank manufacturers' standard offering requires an upgrade to a double-wall bulkhead. When TRUCHEK® hydrostatic monitoring is used, all two or three compartments are monitored with a single reservoir and sensor.



### Triple-wall tanks – the choice when double-wall protection isn't enough

Some customers and regulatory agencies now require even more enhanced protection than double-wall tanks provide. A condition such as a sensitive groundwater aquifer, or a nearby lake or stream is a reason to consider tertiary containment for underground storage. The Xerxes UL-listed triple-wall tank (TWT®), with an additional Parabeam® interstice, is the innovative and cost-effective answer when this level of containment is required. As with all Xerxes double-wall tanks, the triple-wall model is available with TRUCHEK monitoring or with the use of a dry interstitial monitoring system. And, like all Xerxes tanks,



the triple-wall tank is easy to ship and install, and available from each of our four U.S. facilities.

### The ZCL Phoenix System® – the best choice for existing tank upgrades

In some situations, single-wall tanks that need to be upgraded to a double-wall tank offer site challenges that make excavation of existing tanks either cost-prohibitive or extremely difficult. For instance, tanks installed years ago are sometimes covered or surrounded by buildings, roads or rail lines. In such cases, converting a single-wall tank (either fiberglass or steel) into a double-wall tank can most efficiently be done with ZCL's Phoenix System®. The UL-listed system consists of two corrosion-resistant laminates and the proprietary

Parabeam® glass fabric that together create an interstitial space. The interstice created can be either dry or hydrostatically monitored. The corrosion-resistant UL-listed system, applied on site by trained installers, is all-fuels compatible, including alcohol-blended fuels, E85 and biodiesels. This is yet another example of the innovative solutions available to Xerxes customers. (See the ZCL Phoenix System® brochure for more information.)



# Guide Specifications – Xerxes® Fiberglass Underground Storage Tanks

## Short form:

The contractor shall provide a single-wall, double-wall or triple-wall fiberglass reinforced plastic (FRP) Underwriters Laboratories-labeled underground storage tank as shown on the drawings. The tank size, fittings and accessories shall be as shown on the drawings. The fiberglass tank shall be manufactured by Xerxes® Corporation.

The tank shall be tested and installed according to the Xerxes Installation Manual and Operating Guidelines for Fiberglass Underground Storage Tanks 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. Underwriters Laboratories (UL) Standard for Safety 1316 for storage of flammable liquids. A UL label shall be attached to each tank.
2. National Fire Protection Association (NFPA) Standards:  
NFPA 30: Flammable and Combustible Liquids Code  
NFPA 30A: Automotive and Marine Service Station Code  
NFPA 31: Installation of Oil-Burning Equipment.
3. City of New York Department of Buildings M.E.A., Division #161-89-M.

### Part II: Products

#### 2.01 Single-wall, Double-Wall and Triple-Wall Fiberglass Reinforced Plastic (FRP) Underground Storage Tanks:

##### A. Loading Conditions – Tank shall meet these design criteria:

1. Internal Load – Single-wall, double-wall and triple-wall tank shall withstand a 5-psig air-pressure test with 5:1 safety factor. Contractor shall individually test tanks for leakage prior to installation. Maximum test pressure is 5 psig (3 psig for a 12'-diameter tank).
2. Vacuum Test – To verify structural integrity, every standard 10'-diameter tank and smaller shall be vacuum-tested by the manufacturer at the factory to 11.5" of mercury. All 12'-diameter tanks shall be tested by the manufacturer to 5.5" of mercury.
3. Surface Loads – Tank shall withstand surface H-20 axle loads when properly installed according to Xerxes' 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 heating coils, drop tubes, submersible pumps and ladders – when properly installed.

##### B. Product Storage:

1. Tank shall be capable of storing petroleum 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.

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

1. Tank shall have nominal capacity of \_\_\_\_\_ gallons.
2. Tank shall have nominal outside diameter of \_\_\_\_\_ feet.

##### E. Interstitial Space

1. Double-wall and triple-wall tank shall have a space between the walls to allow for the free flow and containment of leaked product from the primary tank. The space also allows the insertion of a monitoring device through a monitoring fitting.

#### 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. Manways

1. All manways shall be flanged and 22" I.D., complete with UL-listed gaskets, bolts and covers. (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 and \_\_\_\_\_ inches long.
4. All 12'-diameter tanks require at least one manway.

##### C. Optional Fill Tubes

1. Fill tubes shall be FRP, 4" in diameter, with a 6" x 4" double-tapped reducer bushing, and include a 6" NPT fitting. Tubes shall terminate a minimum of 4" from the bottom of tank (a minimum of 6" for a 12'-diameter tank).

##### D. Striker Plates

1. Striker plates shall be installed under each service fitting and manway opening.

##### E. Optional Heating Coils

1. Optional heating coils shall be installed in a separate 22"-diameter manway and shall be as supplied by tank manufacturer.

##### F. Optional Ladders

1. Ladders shall be the standard ladder as supplied by tank manufacturer (aluminum, carbon steel or fiberglass).

##### G. NPT Threaded Fittings

1. All NPT threaded fittings shall be a material of construction consistent with the requirements of the UL label.
2. All standard threaded fittings shall be half-couplings and shall be 4" or 6" in diameter. Reducers are to be used for smaller sizes where shown and provided by contractor.
3. Strength – NPT fittings shall withstand a minimum of 150 foot-pounds of torque and 1,000 foot-pounds of bending, both with a 2:1 safety factor.

##### H. Monitor Fittings

1. The monitor fitting for a double-wall and triple-wall tank shall consist of a 4" NPT fitting on the tank.

#### 2.03 Optional Monitoring System

##### A. General

1. The tank manufacturer shall offer the option of a continuously monitored, hydrostatic leak-detection system for its double- and triple-wall tanks.
2. The monitoring system shall be designed by the manufacturer to detect a leak in either the primary, secondary or tertiary tank, at installations with or without groundwater.
3. The monitoring system shall include monitoring fluid in the primary interstice delivered to the installation site. The contractor shall be responsible for field installation of monitoring fluid in the secondary interstice.
4. The reservoir(s) shall be fitted with one 4" NPT fitting for installation of an electronic, reservoir-level sensor.

### Part III: Testing and Installation

#### 3.01 Testing

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

#### 3.02 Installation

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

### Part IV: Limited Warranty

#### 4.01 Limited Warranty

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

# Xerxes® Underground Tank Data

## Single-wall & Double-wall Tanks

Nominal Capacity (gal)	Actual Tank Length (ft/in) *	Number of Hold-down Straps Req'd
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600	6'-11 7/8" SW 7'-3 1/2" DW	2
1,000	11'-3 7/8" SW 11'-7 1/2" DW	2

2,000	13'-5 3/4" SW	2
2,500	13'-5 3/4" DW	2
3,000	16'-4 1/4"	2
4,000	21'-11 1/8" SW 20'-8" DW	2
5,000	26'-5"	4
6,000	30' - 8 3/4"	4

2,000	9'-1/2" SW	2
3,000	12'-3" SW	2
4,000	15'-1/2"	2
5,000	17'-8 1/2"	2
6,000	20'-6 1/2"	4
8,000	26'-1/2"	4
10,000	31'-6 1/2"	4
12,000	37'-1/2"	4
15,000	46'-9"	6

10,000	21' - 5 1/4"	4
12,000	24' - 1/4"	4
15,000	29' - 5 3/4"	4
20,000	37' - 8 3/4"	6
25,000	47' - 6 3/4"	8
30,000	55' - 9 3/4"	10
35,000	64' - 3/4"	12
40,000	73' - 8 1/4"	14

20,000	29'-4" SW	6
25,000	35'-7" SW	8
30,000	43'-1" SW	10
35,000	49'-4" SW	12
40,000	54'-4" SW	12
48,000	65'-7" SW	18
50,000	68'-1" SW	18

## Double-wall Tanks

Actual Capacity (gal) **	Dry Nominal Shipping Weight (lbs)	Wet Nominal Shipping Weight (lbs)
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602	800	1,000
1,009	1,100	1,400

—	—	—
2,324	1,800	2,400
2,910	2,100	2,800
3,789	2,500	3,500
4,961	3,100	4,300
5,840	3,600	4,900

—	—	—
—	—	—
4,190	2,200	3,100
5,089	2,600	3,700
6,044	2,900	4,300
7,899	3,600	5,400
9,753	4,300	6,600
11,608	5,000	7,700
14,881	6,400	9,800

10,420	4,500	6,200
11,904	5,000	7,000
15,041	6,100	8,600
19,782	7,700	11,000
25,431	10,000	14,300
30,172	11,900	17,000
34,912	13,600	19,600
40,443	16,000	23,000

—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—

## Single-wall Tanks

Actual Capacity (gal) **	Nominal Shipping Weight (lbs)
--------------------------	-------------------------------

602	500
1,009	700

2,376	1,000
—	—
2,973	1,200
4,131	1,600
5,064	1,900
5,960	2,200

2,189	900
3,271	1,200
4,218	1,400
5,165	1,700
6,084	2,000
7,950	2,500
9,816	3,000
11,682	3,500
14,975	4,500

10,563	3,200
12,068	3,600
15,248	4,500
20,055	5,700
25,783	7,900
30,590	9,400
35,397	10,500
41,004	12,100

20,781	9,200
25,541	10,600
31,253	12,500
36,013	13,900
39,821	15,000
48,389	17,700
50,293	18,300

**Notes:**

\* Unless otherwise noted, the tank length applies to both single-wall (SW) and double-wall (DW) tanks.

\*\* Use of overfill protection such as flapper valves or ball-float valves will reduce the actual capacity of the tank.

# Limited Warranty

## Double-Wall and Single-Wall Storage Tanks for Petroleum or Alcohol Fuels

Xerxes Corporation ("Xerxes") warrants to owner ("Owner") that our double-wall and single-wall underground storage tanks, if installed, used, and maintained in the United States or Canada in accordance with Xerxes' published specifications, installation instructions and operating guidelines, and all applicable laws and regulations:

- 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, (with or without tank water bottoms), to store the following products at ambient temperature, or fuel oils at temperatures not to exceed 150° F (65° C):
  - a. gasoline, jet fuel, aviation gasolines, motor oils, motor vehicle waste oils, kerosene, diesel fuels, or fuel oils
  - b. alcohol, alcohol-gasoline blends, and oxygenated motor fuels
    1. ethanol and ethanol blends
      - 100% ethanol
      - E10 (90% gasoline and 10% ethanol)
      - E85 (85% ethanol and 15% gasoline)
    2. methanol and methanol blends
      - 100% methanol
      - M85 (85% methanol and 15% gasoline)
      - Oxinol-50<sup>1</sup> waiver (90.5% gasoline and 9.5% Oxinol-50<sup>1</sup> comprised of a 4.75% methanol and 4.75% GTBA mixture)
      - Dupont EPA waiver (gasoline with 5% methanol and a minimum of 2.5% cosolvent – the blend may contain a maximum concentration of up to 3.7%, by weight, oxygen in the final fuel)
    3. other oxygenated fuels
      - gasoline with up to 20%, by volume, of methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), or tertiary amyl ethyl ether (TAEE)
  - c. biodiesel fuel as defined by:
    1. ASTM<sup>®2</sup> D975-08a (diesel fuel oils)
    2. ASTM<sup>®2</sup> D396-08b (fuel oils)
    3. ASTM<sup>®2</sup> D7467-08 (diesel fuel oil and biodiesel blend (B6-20))
- 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 of 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 limited warranty as originally extended.

Xerxes warrants to Owner that all Xerxes manufactured tank accessories, if installed, used and maintained in the United States or Canada 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.

The foregoing limited 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, unlawful use, 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. In the event of a breach of warranty claim, a claimant must give Xerxes the opportunity to observe and inspect the installation prior to the removal of any backfill below the tank top, and the removal of the tank and any accessory 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 LIMITED WARRANTY CONSTITUTES XERXES' EXCLUSIVE OBLIGATION AND XERXES MAKES NO OTHER WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, WITH RESPECT TO THE TANK, ACCESSORY 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 LIMITED 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 LIMITED WARRANTY EXCEPT AS EXPRESSLY SET FORTH HEREIN. IT IS EXPRESSLY AGREED THAT THIS LIMITED 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 limited warranty gives you (Owner) specific legal rights. You (Owner) may also have other rights which vary from state to state.

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## Xerxes Manufacturing Facilities

## ZCL Manufacturing Facilities

### Anaheim, CA

Phone 714.630.0012

Fax 714.632.7133

### Hagerstown, MD

Phone 301.223.6961

Fax 301.223.6836

### Edmonton, AB

Phone 800.661.8265

Fax 780.466.6126

### Drummondville, QC

Phone 800.661.8265

Fax 780.466.6126

### Seguin, TX

Phone 830.372.0090

Fax 830.372.0321

### Tipton, IA

Phone 563.886.6172

Fax 563.886.2042

### Waverley, NS

Phone 800.661.8265

Fax 780.466.6126



Hagerstown, MD

# XERXES®

**CORPORATION**

a subsidiary of ZCL Composites Inc.

7901 Xerxes Avenue South

| Minneapolis | MN | 55431

Ph: 952.887.1890 Fax: 952.887.1882

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

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