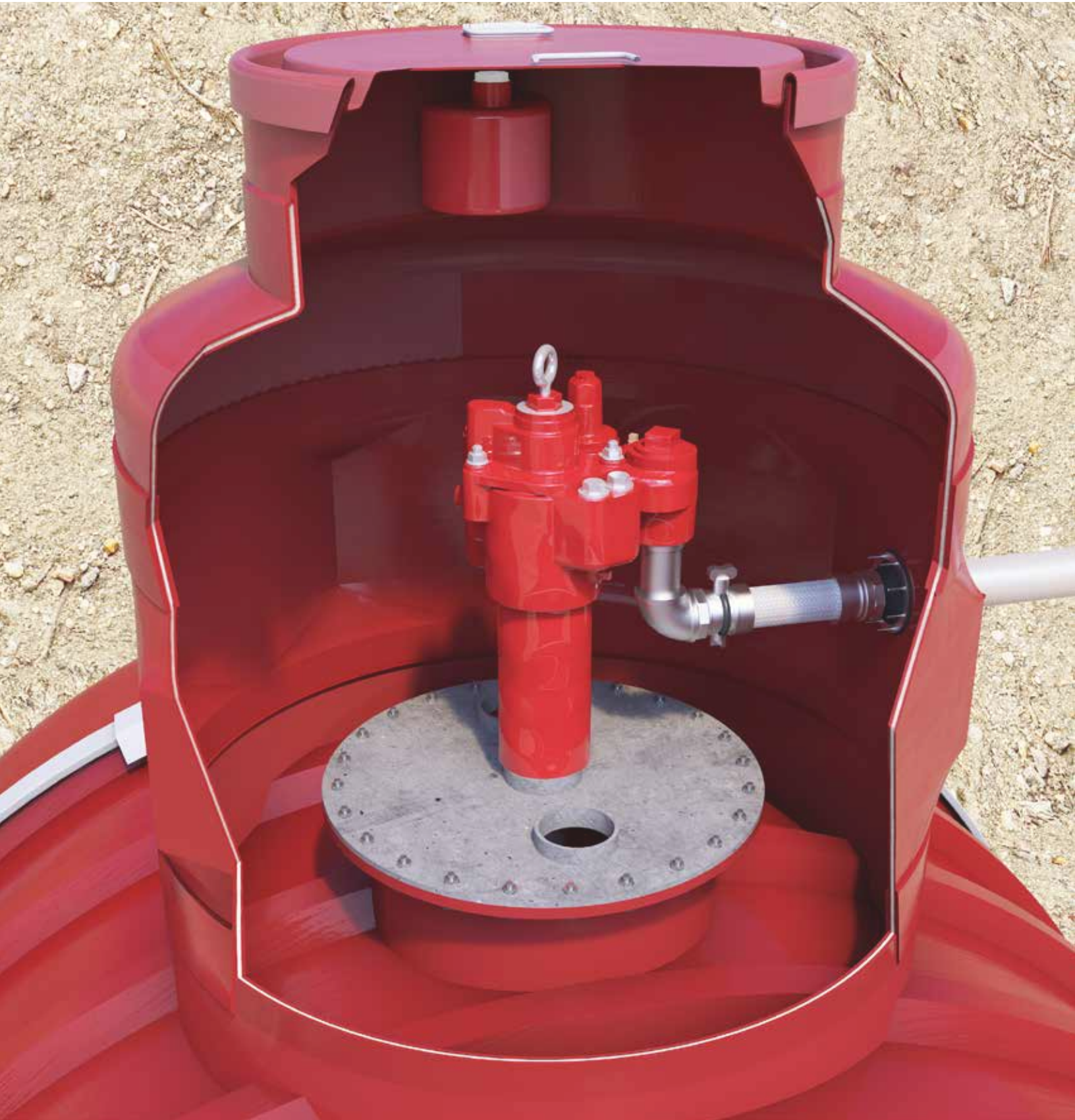


**ZCL | XERXES®**  
making a **lasting** difference®

# Containment Sumps



# Over 200,000 fiberglass storage tanks manufactured and shipped in North America

ZCL | Xerxes is the largest manufacturer of fiberglass underground storage tanks in the world. As customer needs and industry regulations change, ZCL | Xerxes continues to be the market leader in product innovation.

## Containment Sumps

### Think in decades, not years

Today, more and more customers, US states and Canadian provinces recognize the need for a structurally strong, sturdy containment sump that withstands the forces inherent in underground installations. This is why most installers and owners have moved away from the use of polyethylene containment sumps.

Innovation never stops, and neither do we. Our recently redesigned containment sumps are manufactured for the dual purpose of enclosing fittings and equipment – such as piping and pumps – and containing spills or piping leaks should they occur.

ZCL | Xerxes containment sumps and collars provide easy access to fittings in a variety of applications.

## Consider Double-Wall Sumps

New federal regulations that require periodic leak testing of containment sumps provide an exemption for hydrostatically monitored double-wall sumps in most applications.

Installing our double-wall sump can be a cost-effective way to avoid both the expense and ongoing service involved in meeting this testing requirement. In California, and potentially other states and provinces, regulations require all new sumps to be double-walled.



# Why Choose Our Fiberglass Sump?

For decades, ZCL | Xerxes has established itself throughout North America as a leading manufacturer of long-life, corrosion-resistant fiberglass vessels and accessories that offer superior protection for the environment. The internal environment of containment sumps is very corrosive. The use of ethanol, ultra-low sulfur diesel (ULSD) and biodiesel fuels, and the corrosion damage caused by these fuels and resulting vapors is increasing. Our fiberglass containment sumps offer customers a corrosion-resistant, long-term option for the storage of liquids in underground installations.

## A Variety of Sump Options

Whether a customer is installing a new underground system or is retrofitting an existing installation, containment sumps are used on nearly all double-wall tanks today. We supply containment collars and sumps as a package to provide secondary containment around tank fittings, piping, pumps and manways. Customers have the option of either dry interstitial monitoring or hydrostatic monitoring. Most double-wall containment sump installations are equipped with hydrostatic monitoring for the same reasons that customers choose it as a monitoring method for double-wall tanks – continuous monitoring of both walls 24/7. Our containment sumps come in a variety of models, sizes and cover/top options.

MODELS & MONITORING OPTIONS	COVER/TOP OPTIONS	SIZE OPTIONS
<ul style="list-style-type: none"><li>• Round and flat-sided</li><li>• Double-wall sump with hydrostatic monitoring</li><li>• Double-wall sump with dry monitoring</li><li>• Single-wall sump</li></ul>	<ul style="list-style-type: none"><li>• 32-inch watertight cover</li><li>• 38-inch watertight cover</li><li>• 32-inch friction-fit cover</li><li>• Open top option</li></ul>	<ul style="list-style-type: none"><li>• 42-inch diameter</li><li>• 48-inch diameter</li><li>• 36-inch to 72-inch height</li><li>• Available in shallow and deep burial heights</li></ul>

## THE ZCL | XERXES ADVANTAGE

ZCL | Xerxes double-wall underground storage tanks offer customers several significant design and performance differences that make them a superior choice to both steel tanks and other fiberglass tanks.

- Corrosion-Resistant Inside and Out
- 100% Premium Resin and Glass
- Flexible Design and Installation Options
- Maintenance-Free
- TRUCHEK® Continuous Leak Detection
- 30-Year Limited Warranty

### FUEL COMPATIBILITY

Our UL-listed (1316) and ULC-listed (S615) double-wall fiberglass tanks are listed as compatible with 0-100 percent ethanol storage and warranted for the full range of ethanol-blended gasoline. Since the UL listing for steel tanks does not require ethanol compatibility testing, this is another distinct advantage of fiberglass over steel.

### PARABEAM®

To create a double-wall sump that is structurally strong, ZCL | Xerxes uses Parabeam®, our patented 3D glass-reinforcement material, to bond the sump walls. This is the same design concept that has made our double-wall tanks the most widely used underground tanks in North America. By using our unique woven-glass to create the interstitial space, our sumps are built to avoid weaknesses such as structural collapse and false monitoring alarms due to flexing walls.

### CORROSION RESISTANCE

ZCL | Xerxes tanks and sumps are made of fiberglass, which means they are inherently resistant to corrosion. Because they are corrosion-resistant inside and out, you'll have the peace of mind of choosing products that help preserve and protect the environment. You'll also enjoy a lower cost of ownership than with steel tanks, which corrode over time and require maintenance.

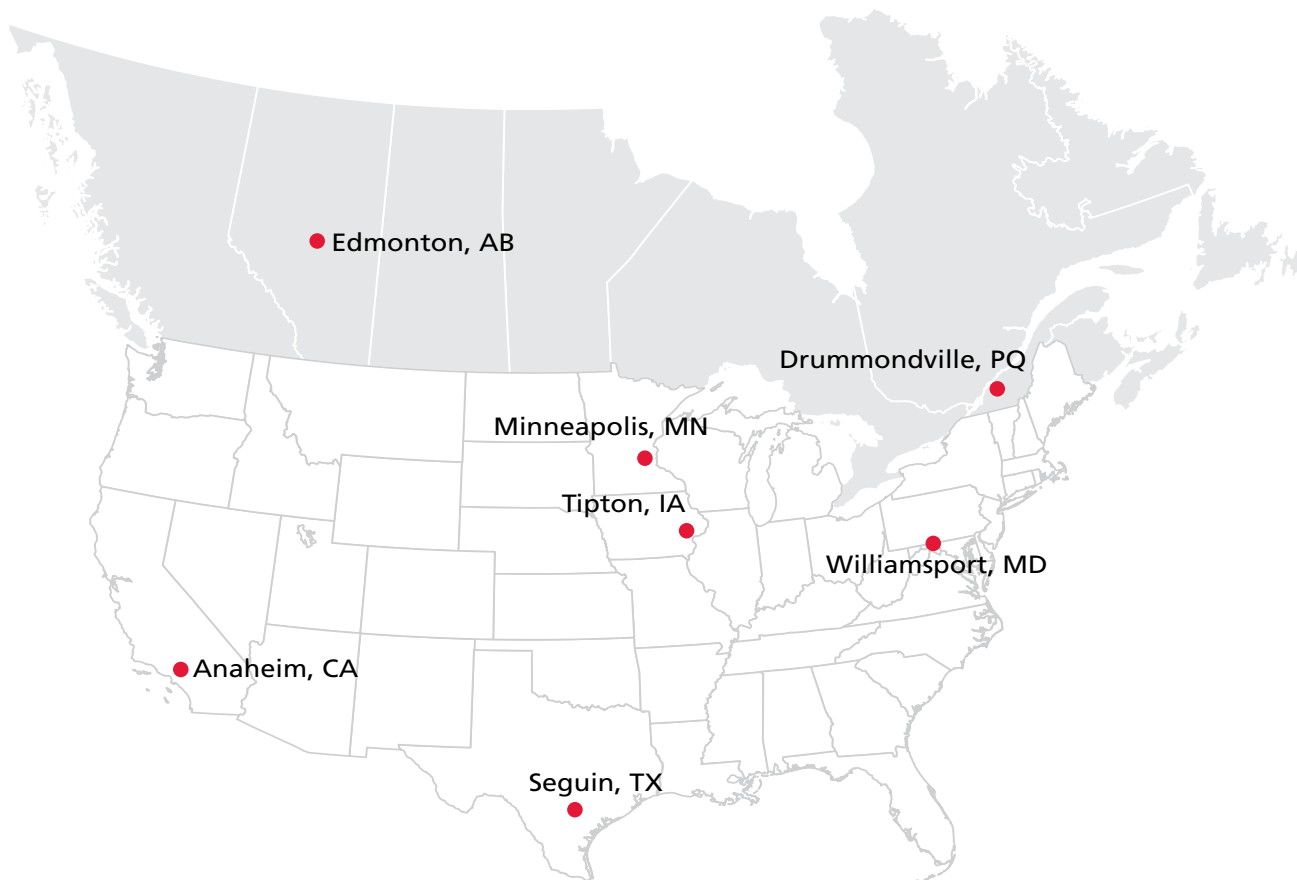
### EXTENSIVE THIRD-PARTY QUALITY TESTING

As further evidence of their durability, ZCL | Xerxes double-wall sumps have passed extensive third-party testing to verify that they withstand interstitial pressure levels that other sumps cannot. Therefore, customers can be assured that our containment sumps are superior to other options in the marketplace.

# Multiple Facilities

## Customers Can Rely on Timely Manufacturing and Delivery of Tanks and Accessories.

With six manufacturing facilities – four in the United States and two in Canada – no matter where customers need fiberglass tanks and accessories shipped, a ZCL | Xerxes manufacturing facility is not far away. No other tank producer offers this kind of manufacturing capability in North America. All our facilities are either UL-listed or ULC-listed.



## Contact Us

We're ready to design a sump solution for you. Visit our website, or contact technical support for more information (see contact information below).

**On the Web:**  
[www.zcl.com](http://www.zcl.com)

**Technical Support:**  
800.661.8265  
952.887.1890  
[eng.support@zcl.com](mailto:eng.support@zcl.com)

### Corporate Head Office

**ZCL Composites Inc.**  
1420 Parsons Road SW  
Edmonton, AB T6X 1M5

### US Office

**Xerxes Corporation**  
7901 Xerxes Avenue S  
Minneapolis, MN 55431

### Manufacturing Facilities:

#### Canada

Edmonton, AB  
Drummondville, PQ

#### USA

Anaheim, CA  
Seguin, TX  
Tipton, IA  
Williamsport, MD

## LIMITED WARRANTY

### Underground Petroleum Storage Tanks

Xerxes Corporation ("Xerxes") warrants to owner ("Owner") that our underground petroleum storage tanks, if installed, used, and maintained in the United States or Canada in accordance with Xerxes' published specifications, installation instructions and operating guidelines, applicable supplemental materials, all applicable laws and regulations, and limited to storage of the products listed below at ambient temperatures or fuel oils, used in oil burning equipment, at temperatures not to exceed 150°F (65° C):

- 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:
  - a. gasoline, jet fuel, aviation fuels, motor oils, motor vehicle waste oils, kerosene, diesel fuel, or fuel oils
    - gasoline with up to 20%, by volume, of methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary butyl alcohol (TBA), tertiary amyl methyl ether (TAME), or tertiary amyl ethyl ether (TAEE)
  - b. **gasoline and ethanol blended motor fuels (per applicable ASTM fuel standards)**
    - **E10 (90% gasoline and 10% ethanol)**
    - **E15 (85% gasoline and 15% ethanol)**
    - **E85 (85% ethanol and 15% gasoline)**
    - **other ethanol blends up to and including 100% ethanol**
  - c. gasoline and methanol blended motor fuels (per applicable ASTM fuel standards)
    - M85 (85% methanol and 15% gasoline)
    - other methanol blends up to and including 100% methanol
    - Oxinol-50 waiver (90.5% gasoline and 9.5% Oxinol-50 comprised of a 4.75% methanol and 4.75% gasoline-grade tertiary butyl alcohol (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)
  - d. **biodiesel fuel blends up to 100% biodiesel (per applicable ASTM fuel standards)**
- 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.

Xerxes warrants to Owner that all Xerxes-manufactured tank accessories, if installed, used and maintained in Canada or the United States in accordance with Xerxes' published specifications, installation instructions and operating guidelines, applicable supplemental materials, and all applicable laws and regulations, 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 or accessory is to be removed from an installation, moved and reinstalled at Owner's new location and is intended for active service at the new location, the tank and accessories must be recertified by Xerxes to continue the balance of the limited warranty as originally extended.

The foregoing limited warranty does not extend to tanks or accessories ("individually and 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 or 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 performing work authorized in advance, in writing, by Xerxes. Xerxes does not warrant any product, components or parts manufactured by others. All consumable components including but not limited to o-rings and gaskets are excluded from this limited warranty.

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. No warranty claim will be considered without removing the tank and any accessory from the ground if Xerxes deems it necessary to evaluate a warranty claim. 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 or accessory failure or be forever barred. ALL RIGHTS, OBLIGATIONS AND CLAIMS UNDER THIS LIMITED WARRANTY SHALL BE EXCLUSIVELY MADE AND DETERMINED IN THE COURTS OF, AND GOVERNED BY THE LAWS OF, THE STATE OF MINNESOTA, U.S.A., EXCLUDING ITS CONFLICT OF LAW PRINCIPLES.

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.

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**XERXES**®  
a zcl company

Effective: June 1, 2015  
United States