

Diesel Exhaust Fluid (DEF) Tanks

Choosing fiberglass tanks to store DEF storage is clearly the superior choice

Since DEF can't be exposed to carbon steel, fiberglass is the ideal tank material for DEF storage. Installing the Xerxes Truchek® hydrostatic monitoring system provides the added security of continual monitoring and tank-testing capability.

Tanks shipped ready to store DEF

- Tank is factory-cleaned with deionized or distilled water
- Corrosion-resistant fittings are sealed to prevent contamination
- One fitting has pressure-relief valve to prevent pressure buildup
- Interstice of double-wall tank has vacuum or monitoring fluid
- Tank and engineered deadmen can generally ship on the same truck flatbed

Tanks manufactured for unique requirements of DEF

- Tank and accessory materials are specifically tested for storage of urea DEF (AUS32)
- Manway covers and fittings are stainless steel
- Underground storage eliminates the need for temperature controls
- No special coatings or linings are needed to protect product integrity



Product and project reliability

- Stringent quality control of manufacturing
- Ongoing technical support ensures that each tank is a long-term investment
- Comprehensive installation training is available
- 45+ years of composite manufacturing and 225,000+ installed tanks are assurance that Xerxes stands behind its products and warranties

Key Features

Designed to withstand **H-20/HS-20 axle loads**

Lightweight tanks for **easy shipping and installation**

Meets **PEI/RP1100 and ISO 22241** requirements

Storage temperature range **51-77°F (11-25°C)**

Greater storage capacity than aboveground packaged products

Corrosion-resistant inside and out

Extensive **third-party testing** for compatibility

30-year limited warranty



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Tank geometry and material create structural strength

- Xerxes DEF tanks are designed and manufactured to provide decades of secure storage

- Cylindrical tanks with hemispherical or elliptical end caps are designed to withstand the stresses of underground storage
- Integrally manufactured fiberglass ribs function like I-beams and enhance tank strength



Single-Compartment Tanks

Double-Wall

Nominal Diameter	Nominal Capacities for Tanks Specified in U.S. Gallons	Nominal Capacities for Tanks Specified in Liters
4-foot	600 – 2,000	2,900 – 5,000
6-foot	2,500 – 6,000	Not available
8-foot	6,000 – 20,000	25,000 – 65,000
10-foot	9,000 – 40,000	40,000 – 150,000
12-foot	20,000 – 50,000	Not available

Multicompartment Tanks

Double-Wall

Nominal Diameter	Nominal Capacities for Tanks Specified in U.S. Gallons	Nominal Capacities for Tanks Specified in Liters
6-foot	4,500 – 12,000	Not available
8-foot	9,000 – 25,000	35,000 – 95,000
10-foot	15,000 – 40,000	60,000 – 150,000

Can be manufactured as an ANSI/CAN/UL/ULC 1316:2018-listed tank

While a fuel tank generally can't be converted for future use as a DEF storage tank, a DEF tank can be manufactured for future storage of traditional fuels or new biofuels. When customers order a double-wall ANSI/CAN/UL/ULC 1316:2018 DEF tank, the tank can be used later to store fuel.

Typical DEF tank accessories

- Containment collars, sumps and covers
- Stainless steel fittings
- Stainless steel manway covers
- Truchek® hydrostatic monitoring system
- EPDM (peroxide-cured ethylene propylene diene monomer rubber) gaskets

For over 45 years, Xerxes has designed and manufactured fiberglass underground storage tanks for fuel, water and wastewater. Xerxes' most recent expansion is its HydroChain™ stormwater product line — highly engineered products with site-specific designs for stormwater management solutions. Xerxes is a key brand of Matr, a global materials technology company serving critical infrastructure markets.