

Diesel Exhaust Fluid (DEF) Tank

Fiberglass tanks lead the way in underground DEF storage

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

Tank geometry and material create structural strength

- Xerxes DEF tanks are designed and manufactured to provide decades of secure storage.
- Cylindrical tank with dished or domed end caps is designed to withstand the stresses of underground storage.
- Integrally manufactured fiberglass ribs function like I-beams and enhance tank strength.
- Premium resin and glass-fiber reinforcement create a structurally strong tank.

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 need for temperature controls.
- No special coatings or linings needed to protect product integrity.



Designed to withstand **H-25/HS-25 axle loads**

Corrosion-resistant inside and out

Greater storage capacity than above ground packaged products

30-year limited warranty

Lightweight tanks for **easy shipping and installation**

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

Extensive **third-party testing** for compatibility

Storage temperature range **11-25°C (11-25°C)**

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Product and project reliability

- Stringent quality control of manufacturing ensures that every tank is a long-term investment.
- Comprehensive installation training is available.
- 40+ years of composite manufacturing and 225,000+ installed tanks are assurance that we stand behind our products and warranties.

Tanks shipped ready to store DEF

- Tank is factory-cleaned with deionized or distilled water.
- 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.

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

SINGLE-COMPARTMENT TANKS SINGLE-WALL & DOUBLE-WALL

NOMINAL DIAMETER	DESIGNED FOR U.S. INSTALLATIONS (GALLONS)	DESIGNED FOR CANADIAN INSTALLATIONS (LITERS)
4'	600 – 2,000	2,500 – 5,000
6'	2,000 – 8,000	10,000 – 25,000
8'	2,000 – 17,000	15,000 – 65,000
10'	7,000 – 40,000	50,000 – 110,000
12'	20,000 – 50,000	–

MULTICOMPARTMENT TANKS DOUBLE-WALL

NOMINAL DIAMETER	DESIGNED FOR U.S. INSTALLATIONS (GALLONS)	DESIGNED FOR CANADIAN INSTALLATIONS (LITERS)
6'	4,000 – 12,000	15,000 – 25,000
8'	6,000 – 25,000	35,000 – 65,000
10'	12,000 – 40,000	70,000 – 110,000

For over 40 years, Xerxes has designed and manufactured fiberglass underground storage tanks for fuel, water and wastewater. Xerxes' most recent expansion is its HydroChain™ product line. These highly engineered products with site-specific designs provide a complete stormwater management solution. Xerxes is a key brand of Mattr, a global materials technology company serving critical infrastructure markets.