

HydroChain™ Tank System

Fiberglass tanks provide comprehensive water-quality management

Engineers and system designers are challenged to find advanced solutions for managing and treating trillions of gallons of untreated stormwater every year. The Tank System is an ideal foundation for a complete water-quality system. An engineered solution for each project is based on system requirements, site footprint and total volume.

Multiple tank options to fit any project

The Tank System can be installed and field-jointed in numerous configurations. The large-diameter, water-tight Xerxes tanks are designed and manufactured to be installed in any length or number of parallel rows to meet project requirements. Time-tested technology like the WEKO-SEAL® provides watertight joint seals for field-jointed tanks.

Up to 15.5'-diameter
fiberglass tanks

**IAPMO/ANSI
Z1002 – listed tanks**

Corrosion-resistant
inside and out

Manufactured to
**ANSI/AWWA
D120** standard

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

Adaptable
to any site conditions

Tank geometry and materials create structural strength

Corrosion-resistant Xerxes tanks are designed and manufactured to provide decades of secure installation.

- Domed/dished cylinder is designed to withstand the stresses of underground storage
- The compacted backfill arching around the tank helps transmit the load to the surrounding soil
- Integrally manufactured fiberglass ribs act like I-beams and enhance tank strength
- Premium-resin and glass-fiber reinforcement create a structurally strong tank



HydroChain™ Tank System

Flexible design for stormwater systems of any scope

The Tank System can be installed as a stand-alone Xerxes collection or treatment tank, or as a component of a multi-stage water-quality system.

Large-volume tank diameters and lengths

This chart illustrates tank options for select volumes up to 1.5 million gallons / 200,500 cubic feet. Tanks are installed in rows and/or lines to meet the required volume. The site determines how the tanks will be configured.

TOTAL VOLUME	TOTAL LENGTH 8'-DIAMETER TANK	TOTAL LENGTH 10'-DIAMETER TANK	TOTAL LENGTH 12'-DIAMETER TANK	TOTAL LENGTH 15.5'-DIAMETER TANK
500,000 GALLONS 66,800 CUBIC FEET	1300 feet	860 feet	600 feet	360 feet
1,000,000 GALLONS 133,700 CUBIC FEET	2660 feet	1710 feet	1190 feet	710 feet
1,500,000 GALLONS 200,500 CUBIC FEET	3990 feet	2560 feet	1780 feet	1070 feet



Contact stormwatersales@mattr.com for more information on configuring the tank system to meet your project requirements.

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.

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HydroChain: Backed by decades of engineering design expertise

- 40+ years of composite vessel manufacturing
- 20+ years of stormwater treatment technology
- Site-specific product design by in-house stormwater experts
- Stringent quality-control of manufacturing
- Decades of successful installations
- Comprehensive installation instructions

For new and retrofit stormwater systems

- Industrial and commercial sites
- State, provincial and municipal transportation facilities
- Housing developments
- Government facilities
- Highway lane expansion
- Parking ramps and lots
- Schools and athletic facilities
- Health care facilities
- Airports
- Retail fuel and truck stops
- Grocery stores and convenience stores

Designed for easy installation and operation

- Flow rate for treatment
- Volume to be treated
- Treatment requirements
- Engineered filter configuration

