

HydroChain™ Oil Interceptor

Effective stormwater treatment begins with oil and sediment removal

Oil and sediment from vehicles and industries are a major source of pollution in storm sewer systems. When large volumes of oil and sediment need to be removed, a Xerxes Interceptor can efficiently provide the needed storage capacities. The watertight tank separates contaminants from the stormwater, allowing clean water to flow into the environment, storm sewer or downstream polishing practice.

Corrosion-resistant
inside and out

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

30-year
limited warranty

Manufactured to
ANSI/AWWA D120
standard

Not limited by
burial depth or water table

UL 2215-listed
oil-water separators
available

Ideal for
new construction
sites

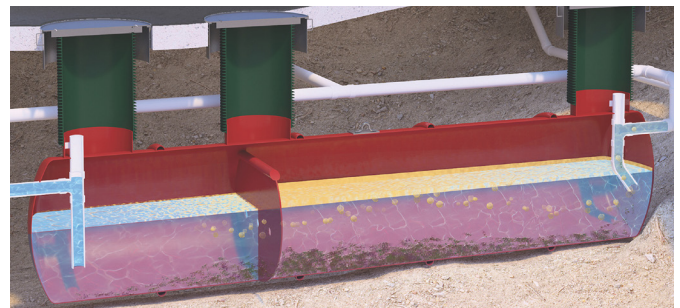
Tank geometry and materials create structural strength

Xerxes fiberglass tanks are designed and manufactured to provide decades of secure underground installation.

- Domed 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

How the Oil Interceptor works

- 1 As stormwater enters the separator tank, the 45-degree angle of the inlet piping diffuses the flow of water.
- 2 This reduces turbulence and allows for more efficient separation as oil rises to the top and settleable pollutants sink to the bottom of the tank.
- 3 The flow holes in the baffle create a clear zone of water to flow through the tank between the oil and solids.
- 4 The tank's horizontal orientation provides superior performance because it allows a longer time for the principles of Stoke's Law to work and further separation to occur.
- 5 The clean water flows out of the tank through the outlet piping.
- 6 The smooth, rounded interior walls of the tank make for simple maintenance. A thorough pump-out is easy to attain with no corners to trap debris.



HydroChain™ Oil Interceptor

Flexible design for stormwater systems of any scope

The Oil Interceptor can be installed as a stand-alone stormwater treatment vessel or as a component of a multi-stage water-quality system. A wide range of designs and sizes meets a variety of site requirements.

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

Interceptor sizes and flow rates

Single-wall and Double-wall Tanks for U.S. Installations

TANK DIAMETER	NOMINAL CAPACITIES (US GALLONS)	SEDIMENT STORAGE VOLUME (CUBIC FEET)	MAX. TREATMENT FLOW RATE @140 SIEVE SIZE (GALLONS PER MINUTE)	MAX. TREATMENT FLOW RATE @200 SIEVE SIZE (GALLONS PER MINUTE)	MAX. INLET PIPING SIZE (INCHES)
4'	600 – 1,500	60 – 160	1,400 – 2,600	850 – 1,650	10
5'	750 – 1,500	130 – 450	2,150 – 4,250	1,300 – 3,550	12
6'	2,000 – 8,000	310 – 920	3,950 – 5,800	2,300 – 4,850	15
8'	5,000 – 15,000	410 – 1960	5,400 – 9,400	3,150 – 7,900	18
10'	10,000 – 40,000	1320 – 3740	12,050 – 16,050	7,100 – 13,500	21

Interceptor sizes and flow rates

Single-wall and Double-wall Tanks for Canadian Installations

TANK DIAMETER	NOMINAL CAPACITIES (US GALLONS)	SEDIMENT STORAGE VOLUME (CUBIC FEET)	MAX. TREATMENT FLOW RATE @140 SIEVE SIZE (LITERS PER SECOND)	MAX. TREATMENT FLOW RATE @200 SIEVE SIZE (LITERS PER SECOND)	MAX. INLET PIPING SIZE (MM)
4'	2,270 – 5,675	1.8 – 4.5	85 – 165	55 – 105	254
5'	3,785 – 15,140	3.8 – 12.8	135 – 265	80 – 225	305
6'	7,570 – 30,280	8.9 – 26.2	250 – 365	145 – 305	381
8'	11,355 – 56,780	11.6 – 55.5	340 – 590	200 – 495	533
10'	37,850 – 113,560	37.6 – 105.9	760 – 1010	445 – 850	533

NOTE: Maximum sediment storage is rounded down to the nearest 10 cubic feet. Maximum treatment flow rate is rounded down to the nearest 50 gallons per minute.

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.

HCOI0923 | stormwatersales@mattr.com | [xerxes.com](https://www.xerxes.com)

© 2023 Shawcor Ltd. All rights reserved.

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

Easy installation and operation

- Single-unit, factory-manufactured tank avoids costly, labor-intensive field assembly
- Interceptor's horizontal shape eliminates need for deep excavation
- The lightweight tank reduces shipping and installation costs
- Ideal for tight footprints and remote locations

Contact stormwatersales@mattr.com about installations requiring 10 ppm effluent and the Xerxes oil-water separators with coalescing technology. They are available in UL 2215-listed and CAN/ULC S656-listed tanks.

