

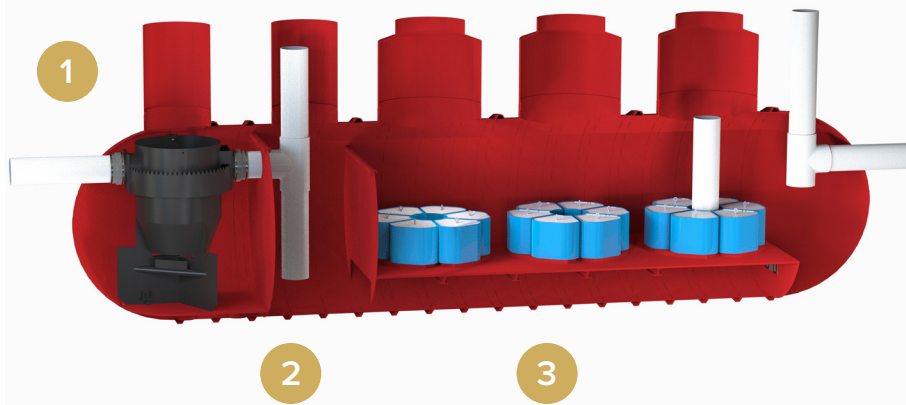


## HYDROCHAIN™ COMPLETE

### HYDROCHAIN COMPLETE SIMPLIFIES STORMWATER MANAGEMENT

HydroChain Complete combines a HydroChain FRP Tank with the HydroChain Prime Separator and HydroChain Filter Cartridges to create a complete stormwater management system within one watertight corrosion-resistant tank. Project requirements determine the tank size, and the number and size of treatment components. Multiple HydroChain Completes can be installed in parallel to manage large flow rates.

### HOW THE HYDROCHAIN COMPLETE WORKS



1. Stormwater flows through the inlet pipe into the center of the HydroChain Prime Separator and a deflector plate creates a radial flow pattern. Solids sink to the bottom of the HydroChain FRP Tank, and floatable matter and hydrocarbons remain on the surface of the water. Solids collect on the tank bottom, which is separated hydraulically from the treatment funnel by flow breakers and a grate. Cleaned water flows upward over a serrated weir.
2. Water flows through a horizontal pipe into the second compartment, which is separated from the first channel by a baffle that goes to the bottom of the tank. This second compartment dissipates the water by bringing it in a vertical flow from the top of the tank to the bottom of the tank.
3. The stormwater flows into the lower part of the third compartment, which is where HydroChain Filter Cartridges separate out fine particles and pollutants. The majority of dissolved pollutants are precipitated and adsorbed. The cleaned water then flows through the outlet pipe into the groundwater or surface water.

### Complete treatment train in a tank

**Large capacities and high flow rates**

**New and retrofit stormwater systems**

**Ideal for tight footprints and remote locations**

### Benefits of HydroChain Complete

**Delivery of tank with components installed means quick and easy installation**

**Greater sediment storage than typical concrete vault applications**

**Designed for easy operation and maintenance**

## HYDROCHAIN PRODUCTS FOR STORMWATER SYSTEMS OF ANY SCOPE

The HydroChain Complete combines three HydroChain products to create a complete treatment train in one vessel. Each project's requirements determine the size of the HydroChain FRP Tank, and the number and size of Prime Separators and Filter Cartridges to be installed inside the tank. HydroChain Completes can be used in combination with other stormwater management products.

Contact [watersales@shawcor.com](mailto:watersales@shawcor.com) for more information on how to configure your HydroChain Complete.

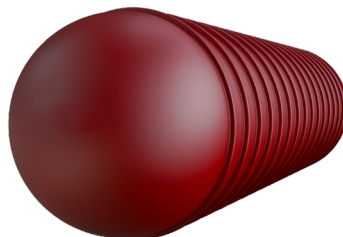
## BACKED BY DECADES OF SUCCESSFUL INSTALLATIONS

- 40+ years of fiberglass tank manufacturing
- 20+ years of stormwater treatment technology
- Site-specific product design by in-house engineers
- Stringent quality-control of manufacturing
- Comprehensive installation instructions

### THE HYDROCHAIN FRP TANK

The watertight fiberglass tank is designed and manufactured to provide decades of secure installation and easy maintenance. The corrosion-resistant tank is not limited by burial depth or water table.

- Available in diameters 6', 8', 10' and 12'
- Corrosion-resistant inside and out
- Easy to clean with no corners for debris to get trapped
- Designed to withstand H-25/HS-25 axle loads



### THE HYDROCHAIN PRIME SEPARATOR

The HDPE unit's inner cylinder separates stormwater to be treated from floatable materials such as plastic bottles, cans and oil. The separator is designed to prevent resuspension of sediment and remove:

- Silt and sand fractions
- Solids and trash
- Heavy metals



### THE HYDROCHAIN FILTER CARTRIDGES

Combining sedimentation and filter processes, these HDPE-housed filters are designed for high flow rates. The filters remove pollutants such as:

- Fine sediment
- Hydrocarbons
- Nutrients
- Heavy metals



Shawcor Ltd. is a leading global company specializing in products, services and solutions for the water, energy, infrastructure and transportation markets. We continually pursue sustainable solutions that protect the environment, conserve resources and extend asset life. Headquartered in Toronto, Canada, Shawcor operates in more than 20 countries and employs approximately 5,000 people.

## 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

## OPERATION AND MAINTENANCE

- The tank and separator are vacuumed out with a hydrovac truck
- When needed, filters are easily removed, cleaned and replaced through an access opening
- Comes with comprehensive operating and maintenance instructions