



**StormTrap®**

MODULAR CONCRETE  
STORMWATER MANAGEMENT



## StormSettler™

# TREATMENT SOLUTIONS

FOR STORMWATER, URBAN RUNOFF,  
AND COMBINED SEWER OVERFLOW  
(CSO) DISCHARGES

StormTrap® is committed to improving water quality and offers innovative solutions for removing pollutants from stormwater before they are discharged into rivers, lakes and oceans. StormTrap's StormSettler™ is the first hydrodynamic separator in the stormwater industry to utilize tube settling packs and upflow patterns to promote settlement and capture of sediments.

## ADVANTAGES

### Proven Performance

StormSettler™ is the first hydrodynamic separator to pass the 2021 NJDEP "Laboratory Protocol to Assess Total Suspended Solids Removal by a Hydrodynamic Sedimentation Manufactured Treatment Device."



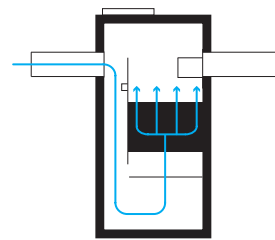
NJDEP Certified



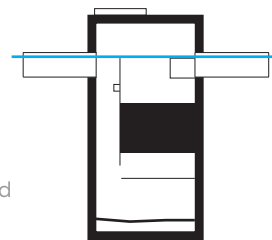
NJCAT Verified Test Data

### Trusted Technology

Designed using computational fluid dynamics and laboratory testing, StormSettler utilizes flow modifiers and tube settlers for treatment. Derived from the inclined plate SiteSaver technology, StormSettler provides extended surface area settling benefits in a compact, round structure.



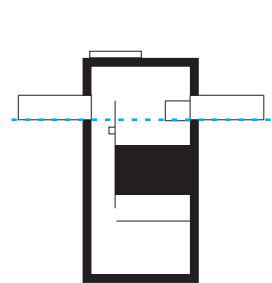
Flow Modifiers maximize sediment capture and retention by equalizing flow throughout the enhanced settling pack; its tubes provide a large surface area, small settling distances, and a controlled pollutant pathway



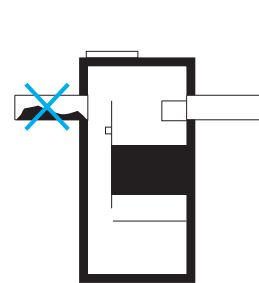
NJDEP certification assures minimal scour during peak flow events, up to 200% of the unit's treatment flow; this qualifies the unit for online use

### Efficient Design

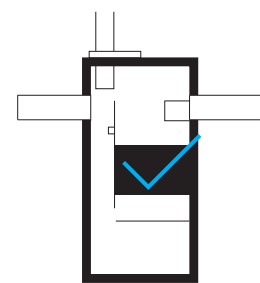
Negligible headloss (less than 6" at the treatment flow rate) and high pipe entry and exit enable the system to be used effectively in high groundwater areas and maximize the height and efficiency of downstream detention systems.



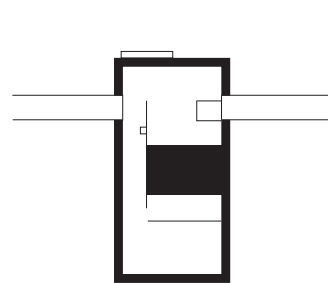
Inlet and outlet inverts can be at the same elevations



Design prevents sediment deposit in the inlet pipe



Easily maintained at-grade without removing the settling pack



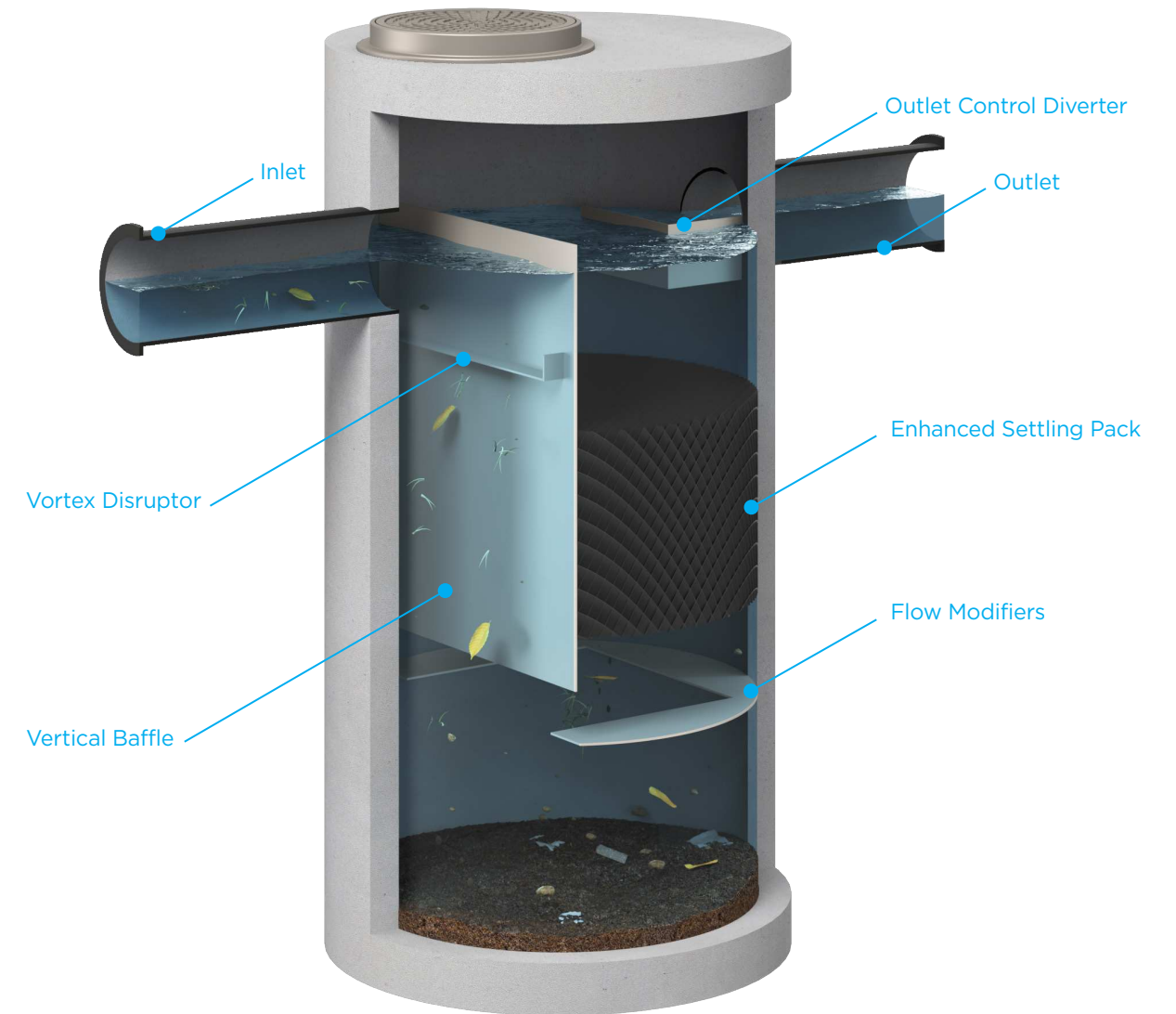
Can accommodate online and offline configurations

### Quick Installation

Provides a simple installation process for the contractor, which is very similar to setting a standard manhole structure. Additionally, on-site supervision is available on each project.

## COMPONENTS

Removes sediment & heavy debris - Options available for floatables & hydrocarbons



When water enters the system, flow modifying components ensure that water flow is efficiently equalized throughout the inclined tube pack, which provides a large surface area, small settling distances, and a controlled pathway for pollutants to be retained within the sump area. The treated water is then directed around an outlet diverter before being discharged from the device through the outlet pipe. During large storm events, the Vertical Baffle provides an internal bypass, allowing excess water to pass over the baffle, preventing hydraulic complications upstream.

**Systems are tailored to meet site-specific requirements.**

## COMPLETE SERVICE



### Continuing Education

Learn what StormTrap's innovative stormwater solutions can do for your next project while earning PDH credits



### Design

Our experienced stormwater professionals will create a customized design and budget with complete set of drawings for your next project



### Specifications

Download our product guide specifications to easily integrate StormTrap's products into your plans



### Installation

We offer a pre-construction meeting and start-up training, with on-site supervision available during installation



### Maintenance

StormTrap offers operation and maintenance (O&M) manuals to provide owners routine maintenance guidelines and procedures, as well as hands-on training for maintenance contractors. Inspection and maintenance without the need to enter the unit ensures efficient, worry-free functionality of StormTrap water quality solutions.

