



Canadian Infrastructure  
Products

**HYDROSTORM** is the next-generation hydrodynamic water quality separator setting the benchmark for watershed protection with best-in-class performance while offering the most cost-effective units available.

Developed by Hydroworks® and distributed by Canadian Infrastructure Products, HydroStorm represents a leap beyond conventional separators by offering features such as a unique bypass design, coupled with easy maintenance accessibility and housed in a remarkably compact footprint - all at a lower cost compared to competing units.

ETV Canada, NJCAT verified, NJDEP certified, and backed by a superior three-year customer support and inspection program, HydroStorm is the clear choice in water quality.

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# *HydroStorm*

NEXT-GENERATION OIL GRIT SEPARATOR

## GO WITH THE FLOW

HydroStorm is a vortex separator with a high flow bypass. Accordingly, high flows do not scour out the fines that are settled in the low flow path since they are bypassed downstream. To tackle high flows, HydroStorm incorporates a protected submerged pretreatment zone to collect larger solids, a treatment tank to remove finer solids, and a dual set of weirs to create a high flow bypass. High flows are conveyed directly to the outlet and do not enter the treatment area. However, the submerged pretreatment area still allows removal of coarse solids during high flows.

Under normal or low flows, water enters an inlet area with a horizontal grate. The area underneath the grate is submerged with openings to the main treatment area of the separator. Coarse solids fall through the grate and are either trapped in the pretreatment area or are conveyed into the main treatment area depending on the flow rate, while fine solids are transported into the main treatment area.



## SMALL PRODUCT. BIG SAVINGS

HydroStorm was developed by a Canadian engineer to be the most cost-effective separator on the market; boasting both a smaller footprint and shallower structure than competitive units. Innovations like HydroStorm's internal bypass is custom designed to improve larger sediment capture potential via a submerged pretreatment area; making sure suspended solids stay right where they are - enhancing scour prevention.

Inspection of HydroStorm units is simple with the inclusion of easy to locate frame and covers; while HydroStorm's reduced sump results in faster maintenance (a large central access opening allows cleaning of the entire separator floor), reduced cleaning and disposal costs versus the competition. Suitable as a bend, junction or inlet structure, HydroStorm can be fully customized to meet the specific needs of each site. Contact us for custom designed structures for larger drainage areas, shallow units, or other special requests.



HYDROSTORM IS COMPOSED OF 3 MAIN PIECES:  
THE MONOBASE, RISER AND FLAT-TOP.



THE MONOBASE CONTAINS A SCOUR PROTECTION  
RING WHICH IS BOLTED IN PLACE.



THE RISER SECTION HOUSES THE ESSENTIAL  
MAIN UNIT INSERT.

## ENGINEERED FOR THE ENVIRONMENT



Environmental consciousness is a priority at CIP. We strive to ensure that our products provide innovative solutions to environmental problems - with the data to back it up. HydroStorm has been independently tested by Environmental Technology Verification Canada, and awarded with ETV Verification status, and has attained NJCAT (New Jersey Center for Advanced Technology) verification and NJDEP (New Jersey Department of Environmental Protection) certification. Giving you peace of mind today while safeguarding the environment of tomorrow.

## UNBEATABLE SERVICE FROM DAY ONE

We are committed to providing not only the best product, but also the best service! To assist in the planning stages, please download our sizing software to get started. Or contact us directly and we would be happy to size your HydroStorm unit for you. After installation, we offer ongoing support which includes a comprehensive three-year inspection program. **For more information about HydroStorm and how it can work for you, please contact us today.**

