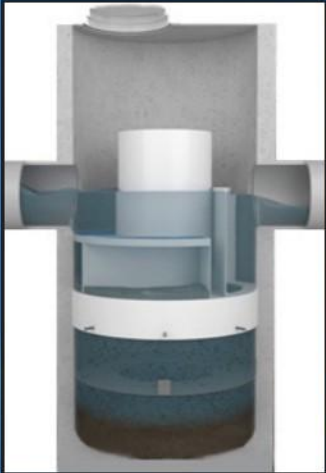


# HydroStorm

Hydrodynamic Separator



## Product Info

HydroStorm efficiently removes oil, trash, and TSS (suspended solids and their associated metals, nutrients, bacteria), from stormwater runoff which is required in NDPEs permits and the Clean Water Act.

## Applications

HydroStorm is used as a standalone treatment solution for urban retrofit and redevelopment applications; as part of a treatment train for new developments; and as a pretreatment device for infiltration, underground storage, and bio-retention.



## Features

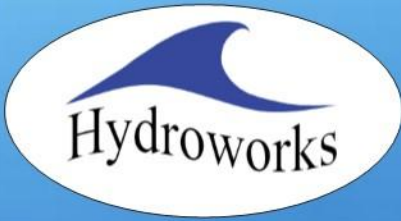
- Internal high flow bypass prevents scour at high flows
- Designed to accommodate multiple inlet pipes
- Captures oil spills, TSS and trash
- Lower cost compared to other competitors
- Reduced sump depths to minimize excavation
- Small footprint to avoid conflicts with other services
- Engineered for traffic loading
- Can be used as a inlet, bend, or junction structure
- Sized based on independent TSS removal results
- Low Headloss ( $K= 1.04$ ) to minimize impact to drainage system
- Minimum elevation drop from inlet to outlet

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## Sizing & Design

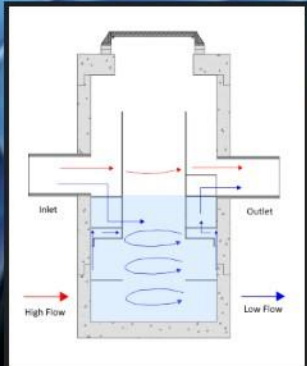
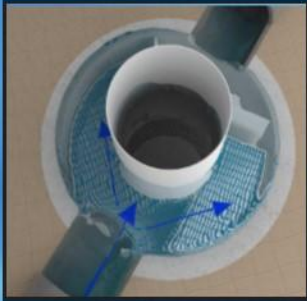
Sized based on independent laboratory testing results. Approved and/or certified by numerous agencies (NJDEP, 2018; NJCAT, 2018; ETV Canada, 2018)





# HydroStorm

Hydrodynamic Separator



HYDROSTORM WATER QUALITY FLOW RATES (cfs)					
Model	NJDEP* (67 um)	ConnDOT** (100 um)	NH*** (OK110)	150 um***	200 um***
HS 4/HS 4i	0.9	1.1	0.9	1.6	2.0
HS 5	1.4	2.0	1.5	2.5	3.2
HS 6	2.0	3.1	2.1	3.6	4.5
HS 7	2.7	4.5	2.9	4.9	6.2
HS 8	3.5	6.1	3.8	6.3	8.1
HS 10	5.5	11.3	5.9	9.9	12.6
HS 12	7.9	18.9	8.5	14.3	18.2

\*50% Annual TSS Removal    \*\*60% Annual TSS Removal    \*\*\*80% TSS Removal at WQF



Hydroworks will design a unit for you or you can download our free design software at [www.hydroworks.com](http://www.hydroworks.com)

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For more information, call your local Hydroworks representative:

