



# HydroStorm

## Hydrodynamic Separator

### Product Info

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

### Applications

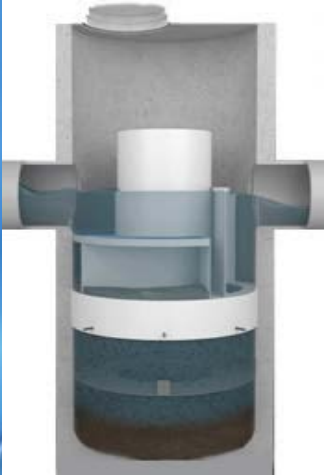
HydroStorm is used as a standalone treatment solution for urban retrofit and redevelopment applications; as part of a treatment train for new developments; and as a pretreatment device for infiltration, underground storage, and bio-retention.

### Features

- 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 or a bend 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

### Sizing & Design

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



Hydroworks LLC  
888-290-7900  
www.hydroworks.com  
info@hydroworks.com



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