CP&P
ENGINEERED PRODUCTS

Hydroworks®

Storm Flow™ Product Line

ENGINEERED PRODUCTS DIVISION

www.ConcretePandP.com | (800) 999-2278 | Info@ConcretePandP.com

OVERVIEW
Hydroworks™ & CP&P Engineered Products

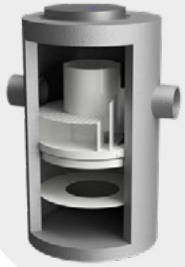
Hydroworks is renowned for its cutting-edge stormwater systems, designed to exceed environmental standards with a full product line that addresses diverse treatment requirements. Known for dependability, these systems facilitate effective stormwater control and treatment.

The collaboration with CP&P Engineered Products broadens the reach of these established solutions, integrating Hydroworks' specialized technology with CP&P's expertise and resources. This partnership aims to optimize the distribution process, ensuring that customers benefit from seamless access to high-quality stormwater management solutions, and tangible supply efficiencies.

HYDROWORKS
Storm Flow Product Line

HYDRODOME
Hydrodynamic Separator

A cost-effective high treatment flow rate separator, independently tested and proven to demonstrate an 80% TSS removal efficiency as per NJDEP PSD standards.

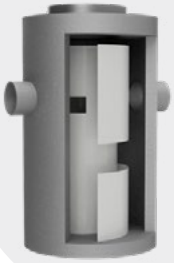


HYDROSTORM
Hydrodynamic Separator

NJDEP Certified, effectively removes oil, trash, and TSS. Features pre-treatment, high-flow bypass, and low headloss coefficeent.

HYDROFILTER
Filtration & Infiltration

A modular filter system designed to aid in achieving infiltration goals, suitable as a standalone device or part of advanced treatment systems.



HYDROGUARD
Hydrodynamic Separator

Efficiently separates pollutants in both low and high-flow conditions.

HYDROPOD
Modular Inlet Hood

Compact inlet treatment device, ideal for capturing oils, coarse TSS, and trash.

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HYDRODOME

Hydrodynamic Separator

HydroDome combines the function of a separator, hood, and flow control with active stormwater storage. The HydroDome separator is a proven, cost-effective stormwater solution with NJDEP Certification, providing multi-purpose stormwater management in a single structure.

- Highly Rated & Independently Tested
- Simple Installation and Easy Maintenance
- Cost-Effective
- Flow Control & Water Quality Management
- Accepts Multiple Inlet Pipes

NJDEP CERTIFIED

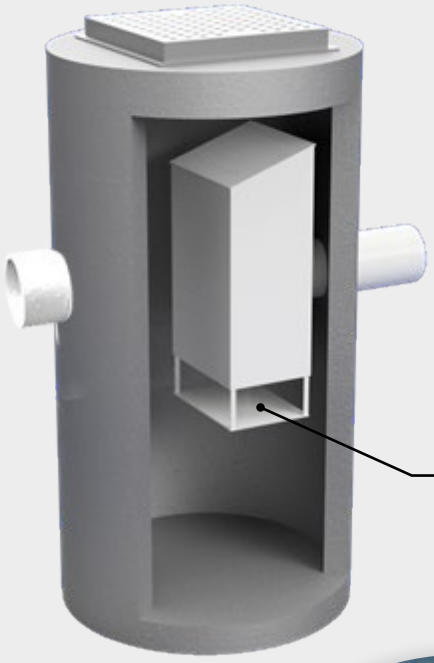
NJCAT VERIFIED

VADEQ APPROVED

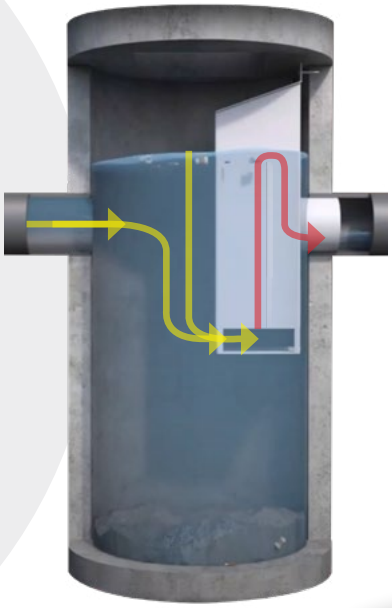
ISO **ISO**ETV VERIFIED

80% **TSS** REMOVAL

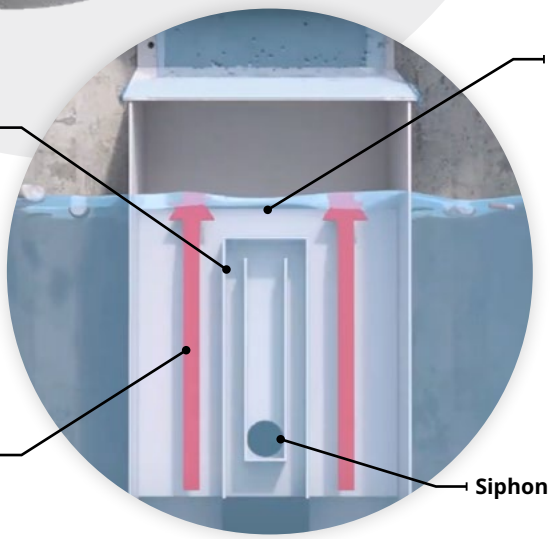
OVERVIEW

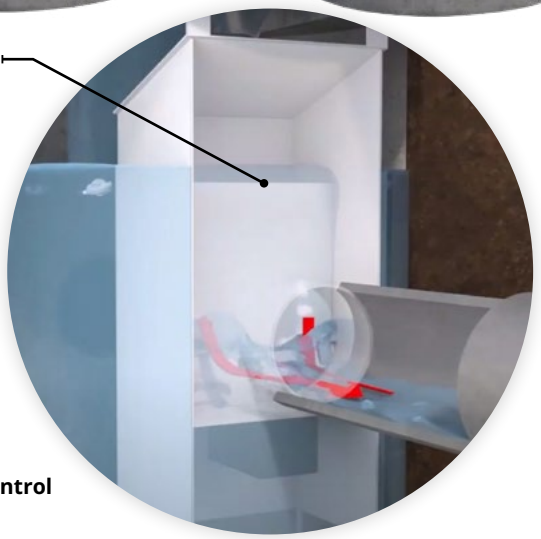


STORMWATER SEPARATION PATH



MAINTENANCE ACCESS





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HYDROSTORM

Hydrodynamic Separator

HydroStorm is an NJCAT Verified industry-leading stormwater separator equipped with pretreatment, internal high-flow bypass, and convenient maintenance access features. HydroStorm is designed to accommodate multiple inlet pipes, and effectively removes oil, trash, and TSS (total suspended solids and their associated metals, nutrients, and bacteria).

- Independently Tested with Low Headloss
- Standardized Internals
- Accommodates Elevation Drops
- Accepts Multiple Inlet Pipes

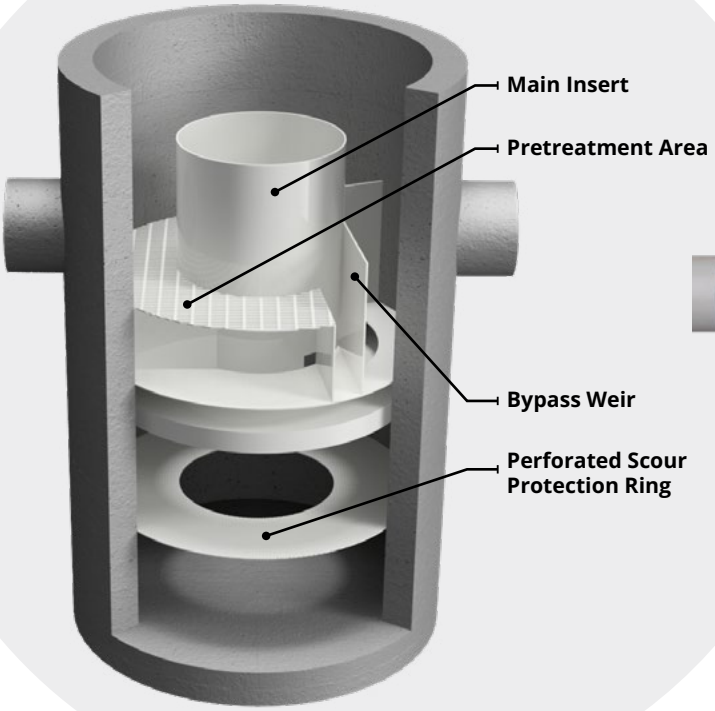
NJCAT VERIFIED

VADEQ APPROVED

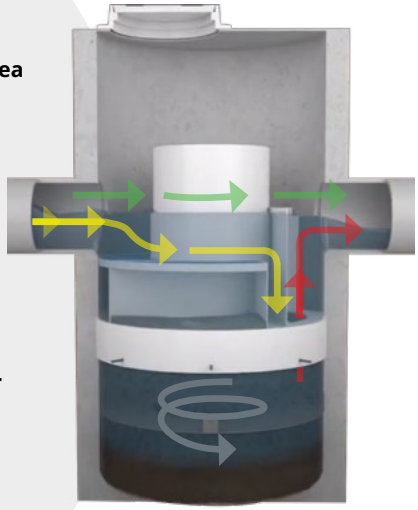
ISO ETV VERIFIED

80% TSS REMOVAL (OK110 TSS)

OVERVIEW



STORMWATER SEPARATION PATH



MAINTENANCE ACCESS

Bypass Flowpath
Stormwater Flowpath
Treated Flowpath
Sediment Separation

System Photos

HYDROFILTER

Filtration & Infiltration

HydroFilter is a modular, high-efficiency filter designed to assist with meeting infiltration (LID) goals. HydroFilter can be used as a standalone treatment device (with or without infiltration) or utilized in a treatment train (stormwater storage, bioretention, or infiltration).

- Inlet or Flow-Through Structure
- Designed for Easy Maintenance
- Filtration with or without Infiltration
- Independently Tested
- Online or Offline Configurations
- High Flow Bypass

NJDEP CERTIFIED

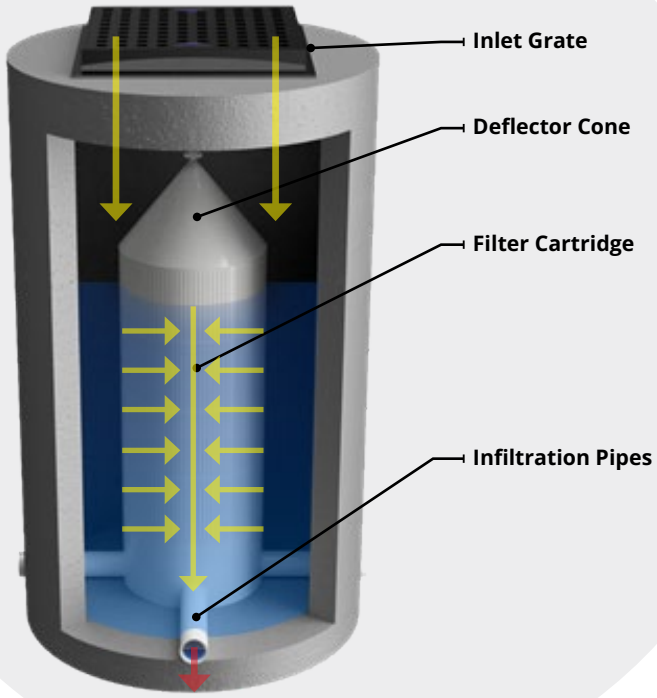
NJCAT VERIFIED

VADEQ APPROVED

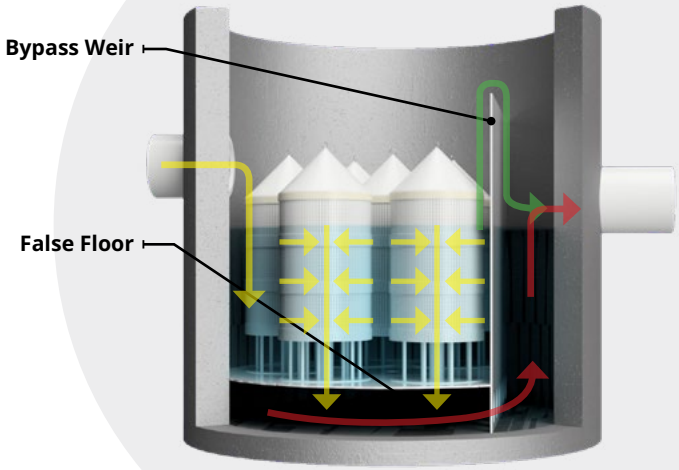
ISO ETV VERIFIED

80% TSS REMOVAL

OVERVIEW - INFILTRATION

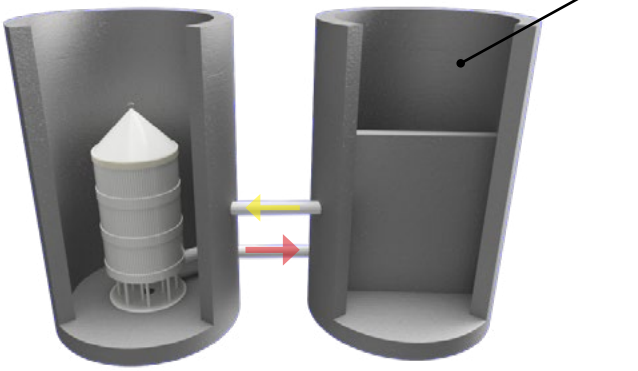


OVERVIEW - FILTRATION

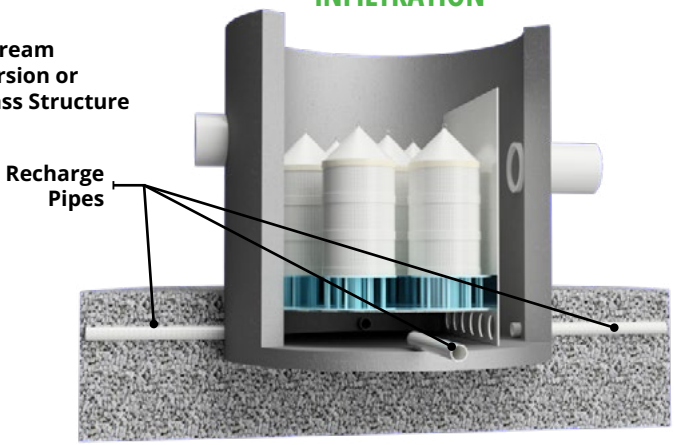


Bypass Flowpath
Stormwater Flowpath
Treated Flowpath
Sediment Separation

OFFLINE INSTALLATION



INFILTRATION



HYDROGUARD

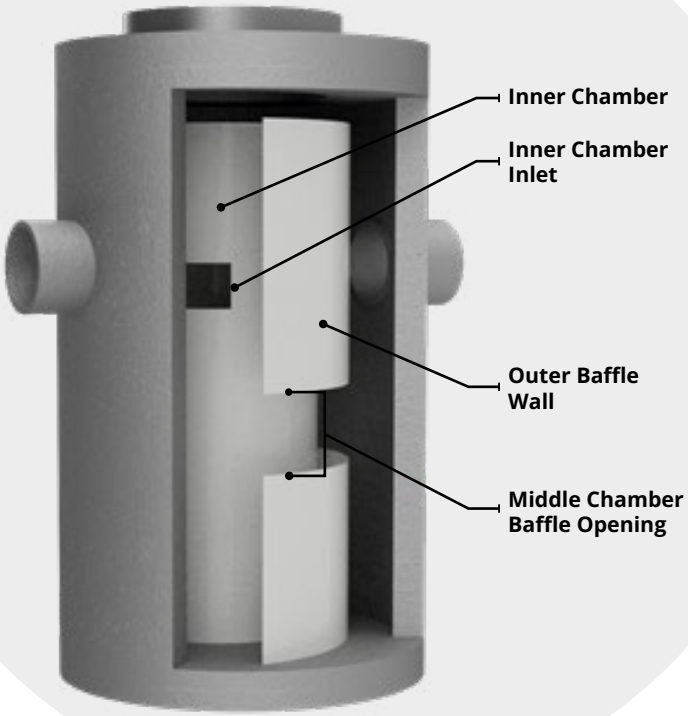
Hydrodynamic Separator

HydroGuard is a low-flow and high-flow stormwater separator with inner and outer chambers that effectively screen and separate a range of pollutants and debris. This versatile, yet cost-effective system gives designers an efficient and scalable tool to address stormwater challenges.

- Cost-Effective and Versatile
- Designed for Easy Maintenance
- Low-Flow and High-Flow Advantages
- Minimum Elevation Drop from Inlet to Outlet
- Captures Oils, Trash, and TSS
- Can be Designed as a Wastewater Separator

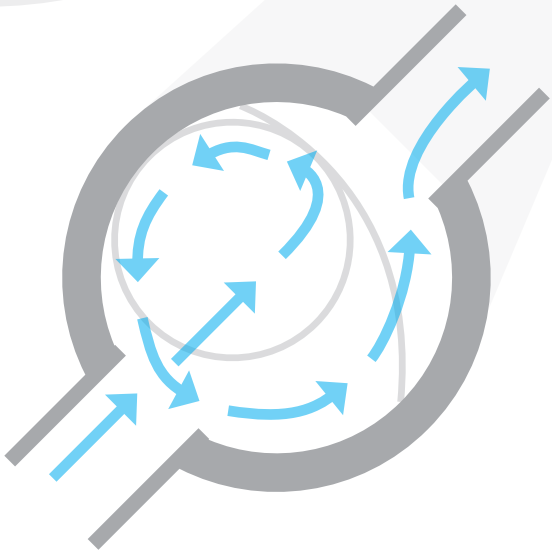
NJCAT VERIFIED

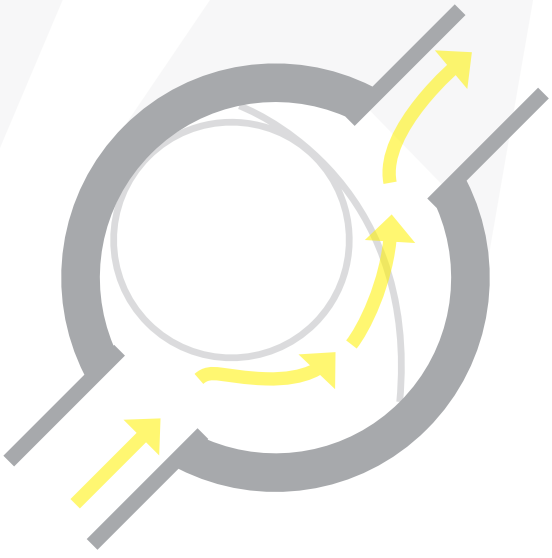
OVERVIEW



LOW-FLOW STORMWATER VORTEX MOTION

HIGH-FLOW STORMWATER BYPASS COLLECTION





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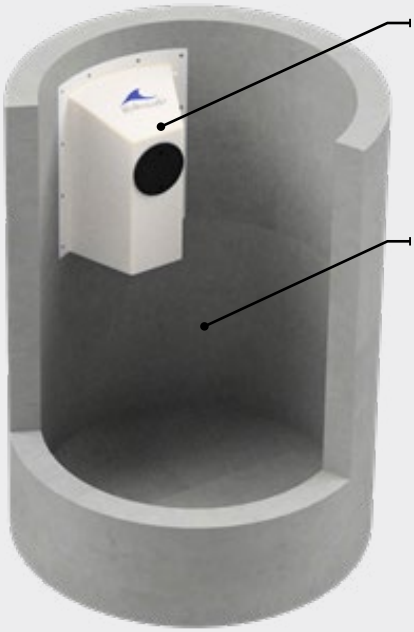
HYDROPOD

Modular Inlet Hood

HydroPod is a compact and cost-effective stormwater inlet treatment device used to capture oils, TSS (total suspended solids), and trash. The device is easily installed and it can be used as a stand-alone solution, or as part of pretreatment upstream of detention or retention systems.

- More Cost-Effective
- Captures Oils, Trash, and TSS
- Customizable Lengths, Weir Walls, and Scour Plates for Improved Performance

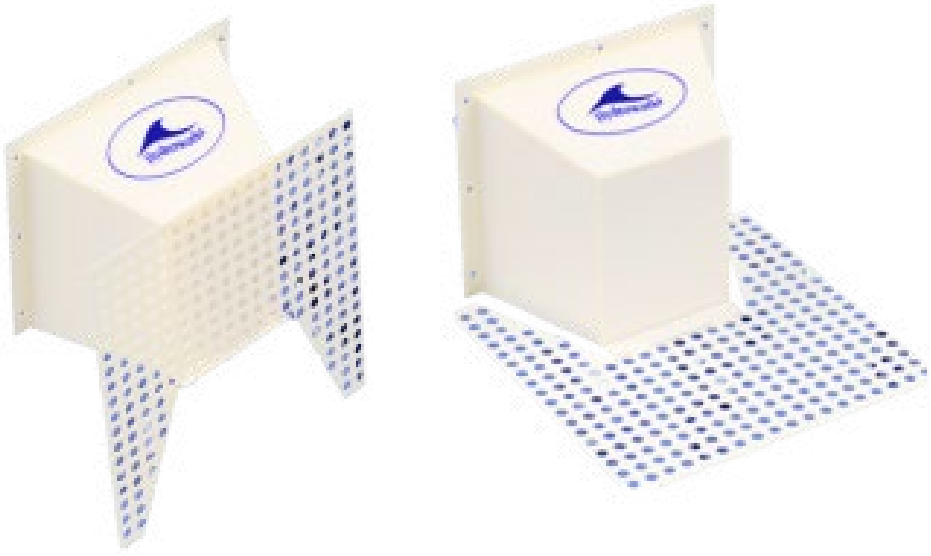
OVERVIEW



STANDARD DESIGN

OPTIONAL V-NECK WEIR

OPTIONAL SCOUR PLATE



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ENGINEERED PRODUCTS

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