

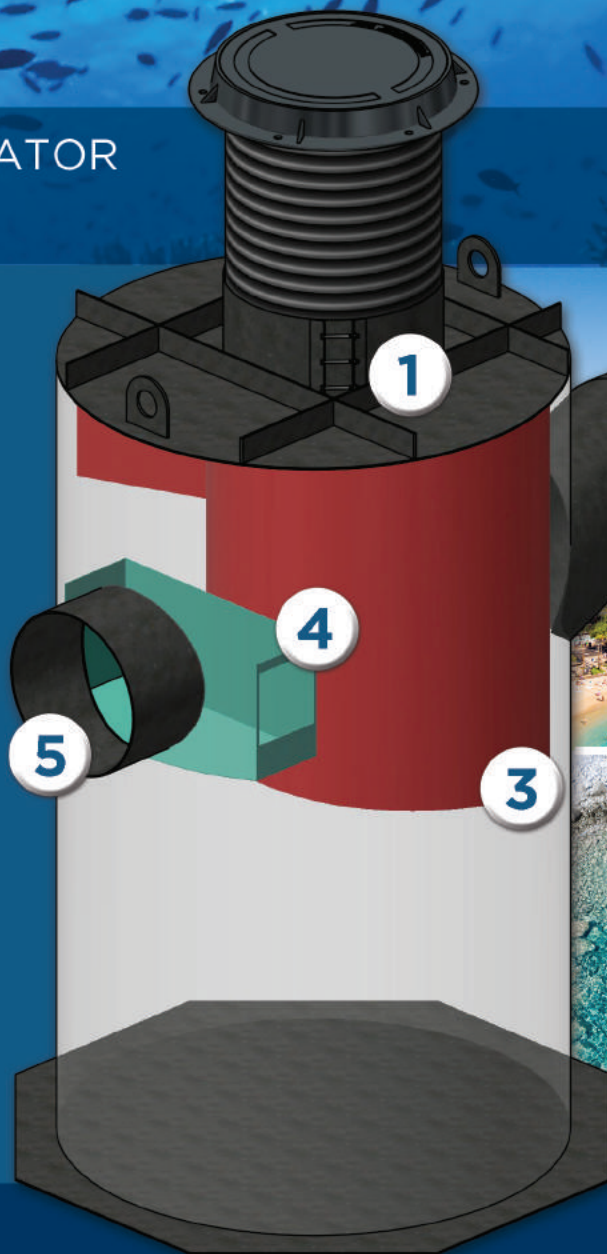
≤ **75**
MICRONS

TSS removal with median
less than 75 microns

AQUA-SWIRL[®] XCELERATOR

HYDRODYNAMIC SEPARATOR FEATURES

- 1** The Aqua-Swirl[®] XCeLerator is constructed of durable, lightweight, high performance materials to withstand up to HS-25 loads.
- 2** Fine sediments and debris enter tangentially into the unit.
- 3** High velocity vortex separation removes fine particles of TSS and floatable debris.
- 4** Engineered outlet flow control provides highest performance treatment capacity.
- 5** Independent tested & validated removing fine particles (d50 less than 75 microns) before discharging into sensitive receiving waters.



Aqua-Swirl® XCELERATOR System

- Provides customized solutions for project specific requirements.
- Systems designed for specific water quality treatment flow rates.
- Modular sizes from 2.5 - 13 ft diameters with attached riser(s) to finish grade.
- Online project and system design tool at <http://pda.aquashieldinc.com>.

Vortex Separation Technology

- Utilizes high velocity hydrodynamic and gravitational forces to settle fine sediment (TSS), trash, and debris.
- Extensive full-scale laboratory testing by independent 3rd parties.
- Strict 3rd party verifications from New Jersey Corporation for Advanced Technology (NJCAT).
- Certified Approval from New Jersey Dept. of Environment (NJDEP).

Bypass Designs

- Systems are designed to treat water quality flow rates and bypass peak storm events.
- Internal and external bypass configurations are available and tailored to site-specific needs.

Pipe Connections

- Systems are designed with custom inlet/outlet diameters at various configuration angles.
- Inlet/outlet stub outs are provided for easy coupling to storm drain lines.
- Easily plumbed to RCP, CMP, PVC, and HDPE piping with dissimilar pipe diameters.

Installation Benefits

- Quick and simple installation, resulting in measurable project cost savings.
- Designed to withstand HS-25 loadings with capabilities of heavier loads available.
- Small footprint design reduces excavations costs.
- Lightweight and durable construction eliminating the need of a crane.
- Lifting lugs attached for easy maneuverability on site.

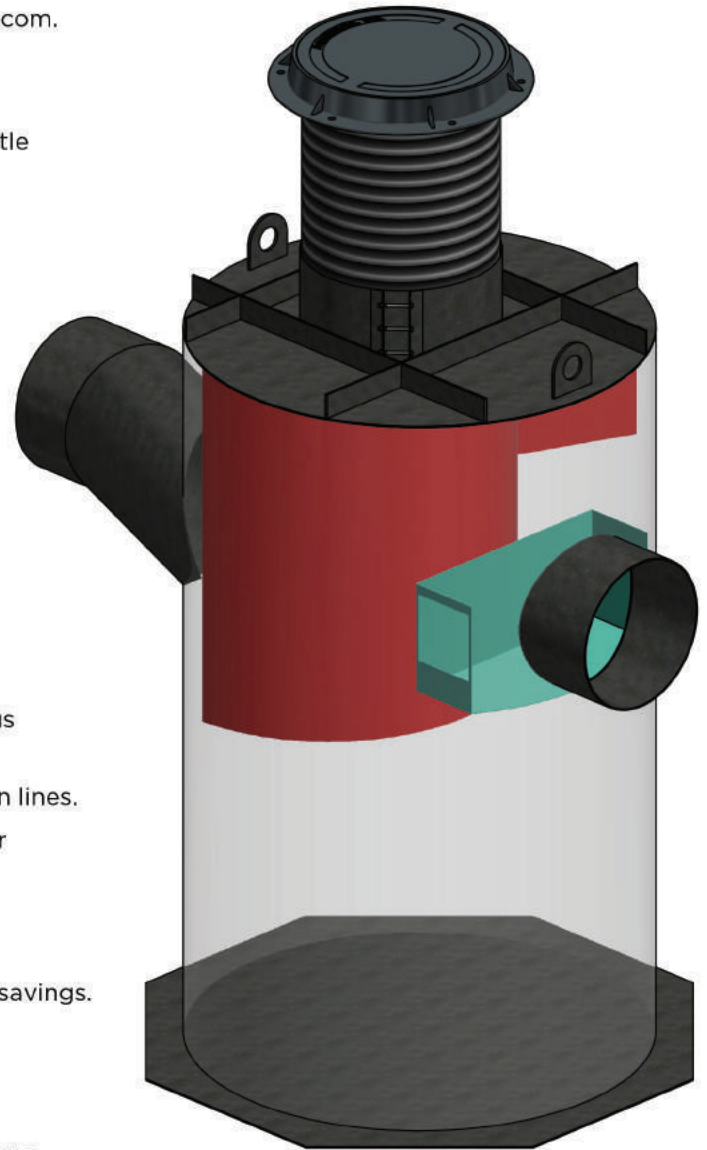
Storage Capacities

- Large storage capacities for sediment, debris and free oil to extend maintenance frequency.
- Calculated sediment capacity for each model with maintenance interval per Appendix B, Part B of the NJDEP Laboratory Protocol for HDS MTDs. Contact your representative for more info.

Inspection & Maintenance

- Large storage capacities for sediment, debris and free oil to extend maintenance frequency.
- I&M manuals are available to download at www.aquashieldinc.com.

AQUA-SWIRL®
XCELERATOR



AquaShield™
WATER TREATMENT SOLUTIONS

www.aquashieldinc.com

2733 Kanasita Dr., Ste 111
Chattanooga, TN 37343

888.344.9044
423.870.8888
423.826.2112 (fax)