

AQUA-SWIRL[®] TRASH CAPTURE

HYDRODYNAMIC SEPARATOR FEATURES

- 1** The Aqua-Swirl[®] Trash Capture is constructed of durable, lightweight, high performance materials to withstand up to HS-25 loads.
- 2** Floatable trash, debris and coarse sediments enter tangentially into the unit.
- 3** Vortex separation removes coarse particles of TSS, floatable debris, and free oil.
- 4** Stainless steel screen removes trash larger than 5 mm.
- 5** Independent testing & validation for 100% trash removal larger than 5 mm before discharging into sensitive receiving waters.



Aqua-Swirl® TRASH CAPTURE 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 hydrodynamic and gravitational forces incorporating a stainless steel screen to remove trash/debris greater than 5mm, coarse sediment (TSS), and free oil.
- Extensive full-scale laboratory testing with independent 3rd parties.
- Certified Full Trash Capture device by CA State Water Resources Control Board.

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 excavation costs.
- Lightweight and durable construction eliminating the need of a crane.
- Lifting lugs attached for easy maneuverability on site.

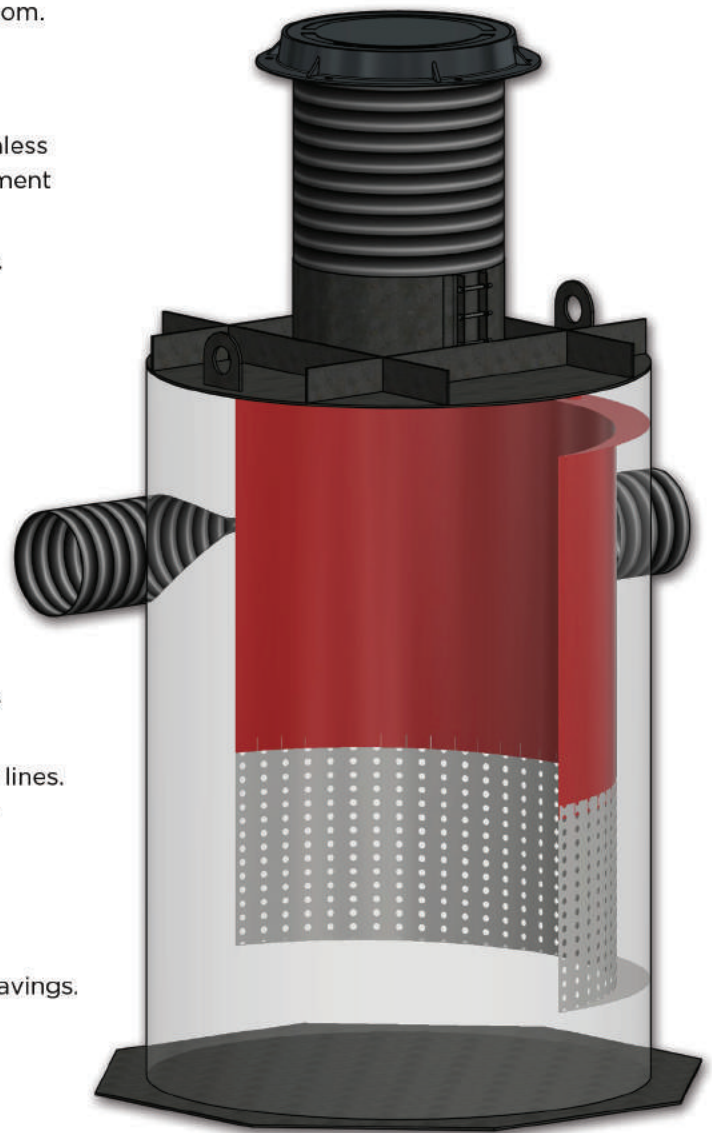
Storage Capacities

- Large storage capacities for sediment, debris and free oil to extend maintenance frequency.
- Screened trash capture storage capacities up to 122 ft³.
- Sediment storage capacities up to 310 ft³.

Inspection & Maintenance

- AquaShield™ offers an extensive network of local service providers across the country to ensure system performance efficiency.
- I&M manuals are available to download at www.aquashieldinc.com.

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TRASH CAPTURE



AquaShield™
WATER TREATMENT SOLUTIONS

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