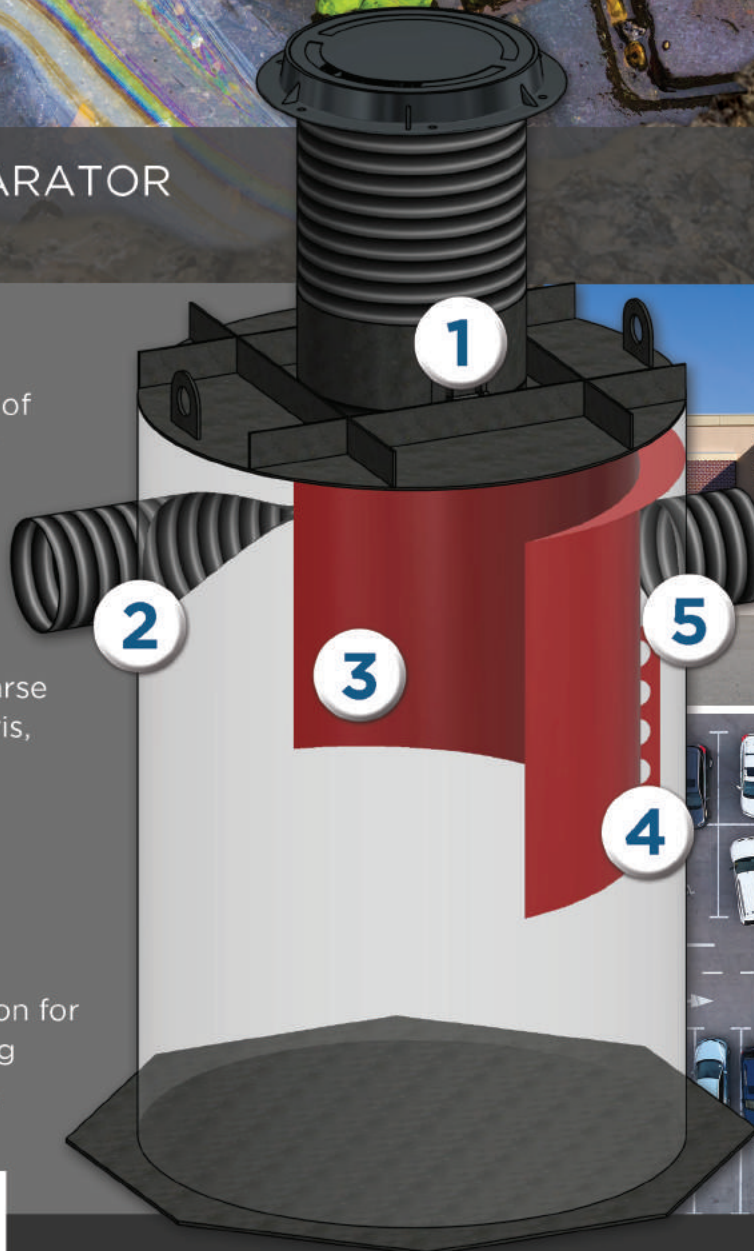


AQUA-SWIRL[®] CONCENTRATOR

HYDRODYNAMIC SEPARATOR FEATURES

- 1** The Aqua-Swirl[®] Concentrator provides large access opening of 30" for maintenance with riser extending to finish grade.
- 2** Floatable debris, oils and coarse sediments enter tangentially into the unit.
- 3** Vortex separation removes coarse particles of TSS, floatable debris, and free oil.
- 4** Constructed of durable, lightweight, high performance materials to withstand up to HS-25 loads.
- 5** Independent testing & validation for TSS removal before discharging into sensitive receiving waters.



Aqua-Swirl® CONCENTRATOR 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 with quiescent settling to remove coarse sediment (TSS), floatable debris, and free oil.
- Extensive full-scale laboratory and field testing by independent 3rd parties.
- Strict 3rd party verifications from New Jersey Corporation of Advanced Technology (NJCAT) and Washington Dept. of Ecology (WADOE).
- Certified Approvals from New Jersey Dept. of Environment (NJDEP) and State of Washington (TAPE – GULD for Pretreatment).

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.

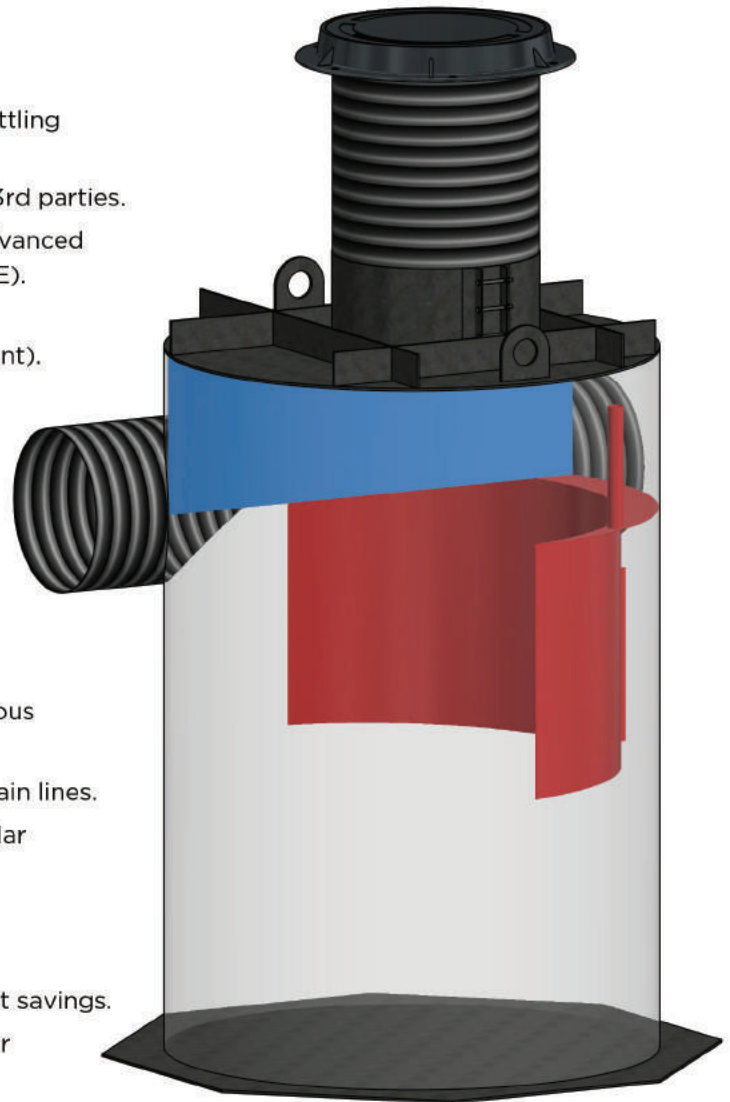
Storage Capacities

- Large storage capacities for sediment, debris and free oil to extend maintenance frequency.
- Sediment storage capacities up to 310 ft³.
- Debris and free oil up to approximately 2000 gallons.

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.

AQUA-SWIRL®
CONCENTRATOR



AquaShield™

WATER TREATMENT SOLUTIONS

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