

Optimize your stormwater treatment needs using lightweight, durable, and cost-efficient systems that ensure quick installation, minimize expenses, and deliver the best long-term value.



EASY-TO-MAINTAIN STORMWATER TREATMENT SYSTEM

Aqua-Swirl® effectively removes stormwater pollutants, helping to protect and restore the quality of natural waterways before discharge into sensitive environments. Using advanced hydrodynamic separation, it captures coarse sediment, trash, and free-floating oil. This custom-engineered, permanent, post-construction solution functions as a modular, high-flow treatment system, operating under gravity flow within a single swirl chamber.

Aqua-Swirl provides four custom models, each available in 12 sizes, independently third-party verified to meet local stormwater performance standards, efficiently treating water quality flow rates while allowing bypass during peak storm events:

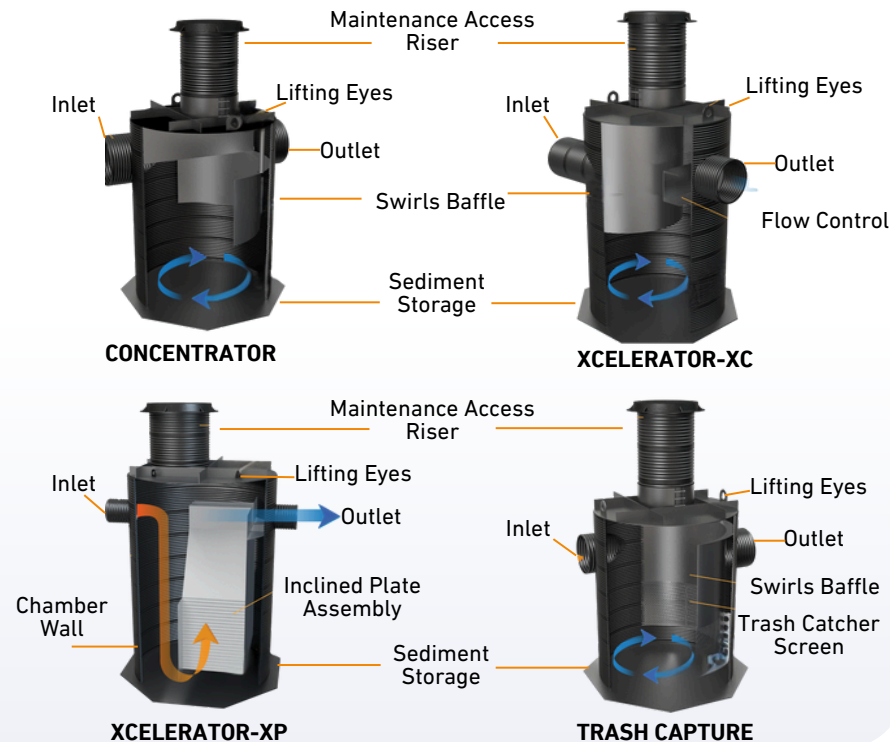
- **Concentrator:** Designed for offline and bypass (BYP) configurations, flow is directed into a swirl chamber that utilizes gravitational forces to optimize removal of coarse sediments greater than 75 microns, along with oil and floating debris.
- **XCelerator® (XC):** An advanced system engineered for high-velocity flow conditions, it features an outlet control structure to effectively remove fine particulates smaller than 75 microns.
- **XCelerator® (XP):** A high-performance separator engineered for high-velocity flows, featuring inclined plates to efficiently capture fine sediments smaller than 75 microns.
- **Trash Capture:** Combining Concentrator's swirl separation technology with a deep 4.7 mm perforated screen, this model traps large debris and trash to comply with state-specific trash regulations, e.g., California's Stormwater Trash Implementation Program.

KEY FEATURES

- ✓ 50% lighter than concrete units
- ✓ 2X more model sizes
- ✓ 50% install time reduction
- ✓ Easy-access maintenance
- ✓ Plug n' Play prefabricated units
- ✓ 3rd party tested and validated
- ✓ Hydrostatically tested for leaks
- ✓ Custom & Retrofit applications
- ✓ Fast lead time
- ✓ Made in USA

PRODUCT MODELS

Each Aqua-Swirl model is available in one-foot increments ranging from 2.5 to 13 feet in diameter and comes complete with attached inlet/outlet stub-outs, manhole frame and covers, and risers to finish grade, with unit weights ranging from 1,000 to 14,000 lbs depending on model size.



SUPPORT

Inspection & Maintenance

Aqua-Swirl is backed by a nationwide network of service providers to ensure optimal system performance. Inspection and Maintenance (I&M) manuals available upon request with detailed inspection steps, equipment needs, and sediment disposal guidance.

YOUR ESSENTIAL STORMWATER TREATMENT SOLUTION

- **Quick to install:** Plug-and-play prefabricated units with fastest lead times from order to installation
- **Lightweight:** Made from polymer-coated steel for easier, crane-free transport and lifting
- **Easy to install:** Featuring lifting supports and inlet/outlet stub-outs that allow installation to be completed in hours rather than days
- **Durable:** High-performance materials withstand HS-25 traffic loads (often higher), ensuring long-lasting service
- **Ease of Maintenance:** Easy, free and clear access from grade to the bottom of the sump with no obstructions. Confined space entry is not needed.
- **Plumbing:** Compatible with RCP, CMP, PVC, and HDPE pipes with varying diameters.
- **Small footprint:** Compact custom designs reduce excavation and land use costs.
- **Certified and Verified:** Lab-tested and third-party verified with certifications from California SWRCB (Trash Capture), WADOE (GULD), NJDEP/NJCAT.
- **Simple to clean:** Surface-level access allows easy sediment removal without confined space entry or special tools.

Komline-AquaShield is part of the Komline family of end-to-end separation technologies used by municipal water, agricultural, and manufacturing industries.



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