

Aqua-Swirl®

Concentrator

Simplify your stormwater treatment with an industry-leading, single chamber unit engineered to facilitate inspection and maintenance.



EASY-TO-MAINTAIN STORMWATER TREATMENT SYSTEM

Aqua-Swirl® Concentrator effectively removes stormwater pollutants, helping to protect and restore the quality of natural waterways before discharge into sensitive environments. Using vortex separation, these units remove pollutants including suspended solids, debris, floatable, and free-floating oil. This permanent, post-construction solution operates under gravity flow within a single swirl chamber, allowing easy inspection and maintenance without obstructions or blind spots.

Aqua-Swirl Concentrator is 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:

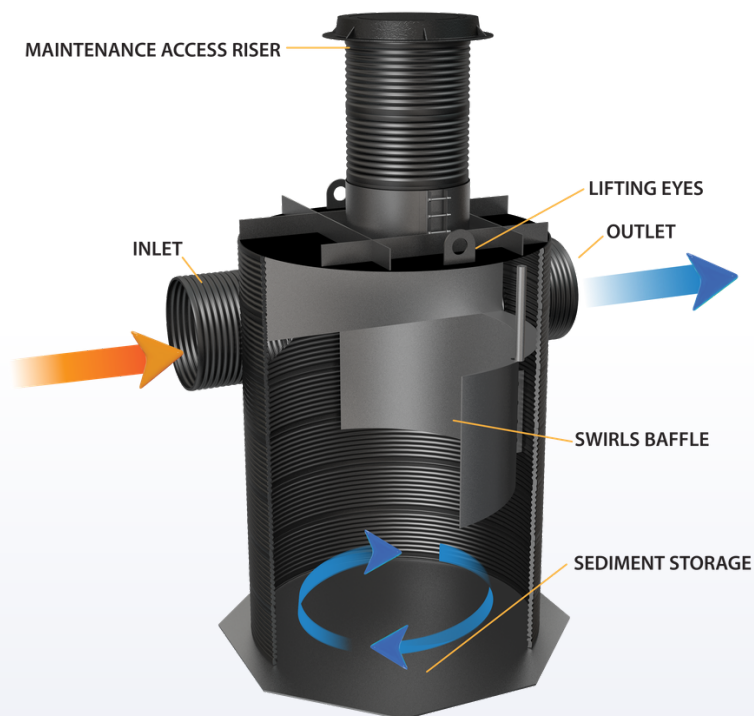
- Flow is directed into a swirl chamber that uses gravitational forces to optimize removal of coarse sediments greater than 75 microns, along with oil and floating debris.
- Available in multiple configurations, including built-in bypass and treatment flow rates up to 27 cfs
- Accommodates pipe diameters up to 24 inches in Offline and 48 inches in Bypass configurations
- Polymer-coated steel construction enables 75+ year lifespan

KEY FEATURES

- ✓ **Lighter than concrete units**
- ✓ **50% install time reduction**
- ✓ **Clear access from surface**
- ✓ **Internals pre-installed**
- ✓ **3rd party tested and WADOE GULD approved**
- ✓ **Hydrostatically tested for leaks**
- ✓ **Easy Design Configurations**
- ✓ **Fast lead time**

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 with multiple units per trailer 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:** Built from high-performance materials, with a 100-year polymer coating life expectancy, each unit withstands 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, field tested, and third-party verified with certification from WADOE (GULD Pretreatment)
- **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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