

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:

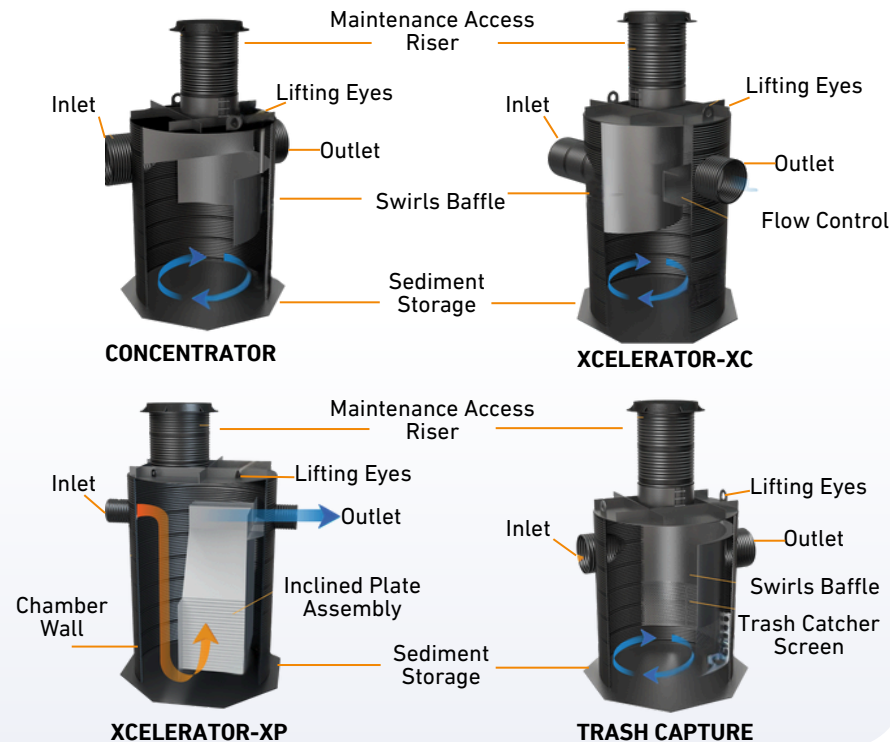
- **Concentrator:** Designed for offline and bypass (BYP) configurations, flow is directed into a swirl chamber that utilizes gravitational forces to optimize removal of coarse sediments greater than 75 microns, along with oil and floating debris.
- **XCelerator® (XC):** An advanced system engineered 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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SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

**GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS**