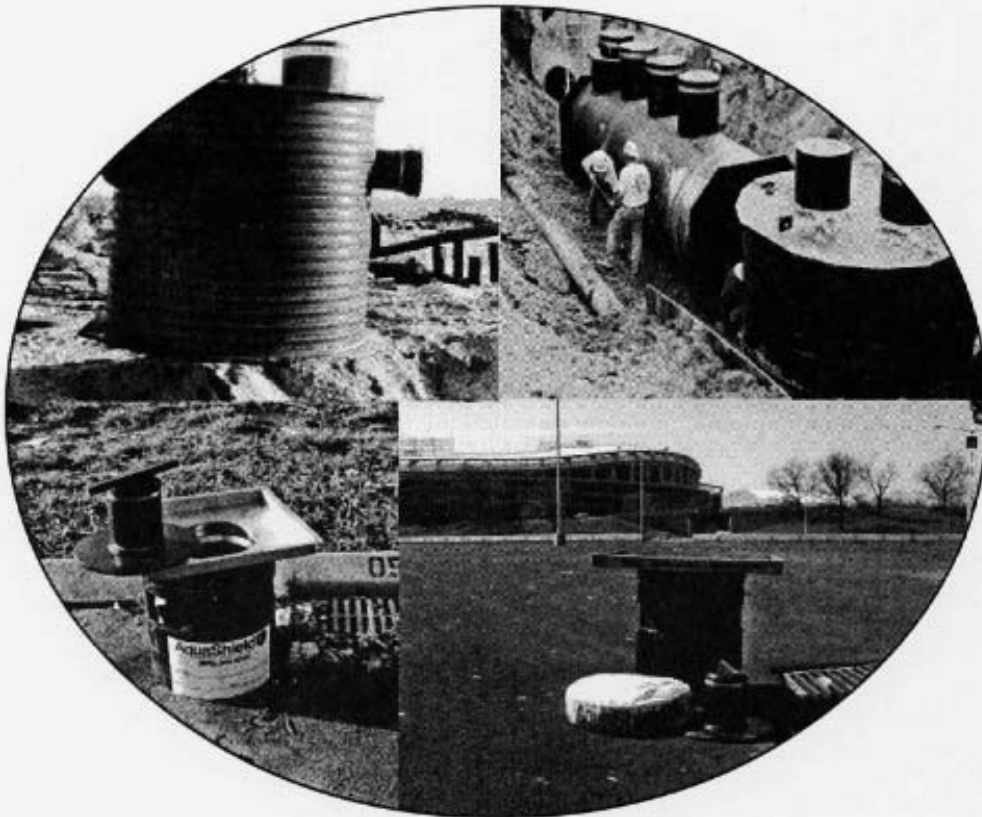




AquaShield™ Stormwater Treatment Systems

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AquaShield™ Stormwater Treatment Systems

The AquaShield™ Stormwater Treatment System Technologies are founded on 20 years experience providing treatment solutions for impaired water resources. Therefore, our highest priority is providing Stormwater Treatment Solutions to protect our nation's waterways.

The AquaShield™ systems allow prompt site plan approval by local regulators. As the systems are fabricated in HDPE, contractors prefer the quick and simple installation of our structures, which results in project cost savings.

AquaShield™'s line of patented stormwater treatment products provide for three levels of stormwater treatment.

- The ***Aqua-Swirl™ Concentrator*** is a hydrodynamic separator, which provides a highly effective means for the removal of TSS (course/ fine sediment), floating debris and free-oil.
- The ***Aqua-Filter™ Stormwater Filtration System*** is an in-line stormwater filtration system capable of gross contaminant removal, and the removal of fine sediments, water-borne hydrocarbons, heavy metals (i.e. zinc) and nutrients such as phosphorous and nitrogen.
- The ***Aqua-Guard™ Catch Basin Insert*** works to remove gross contaminants, oil and sediment at the source.



**Aqua-Swirl™
Concentrator**



Aqua-Filter™ Filtration System



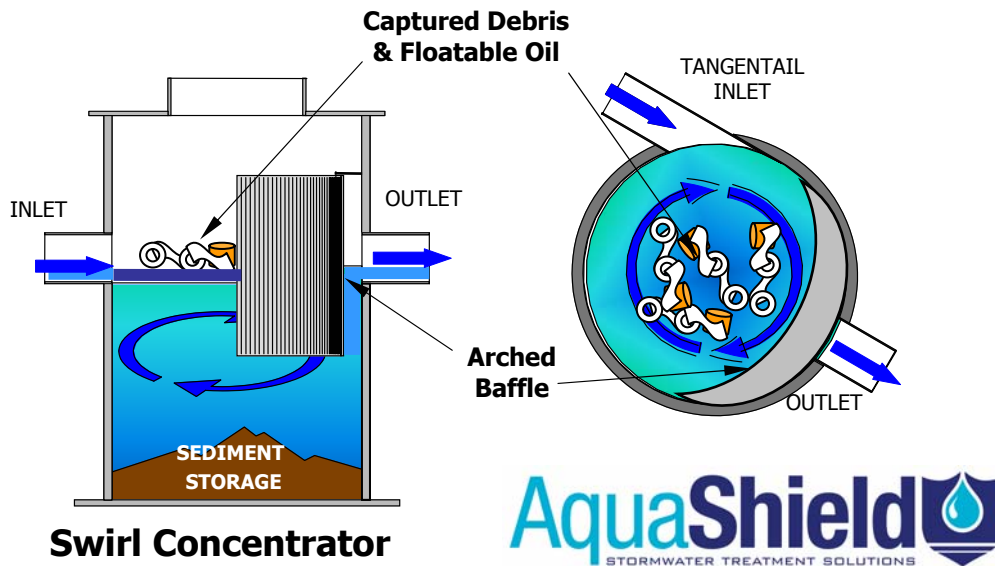
**Aqua-Guard™ Catch
Basin Insert**



Aqua-Swirl™ Concentrator Stormwater Treatment System

The patented *Aqua-Swirl™ Concentrator*, a hydrodynamic separator, provides a highly effective means for the removal of sediment and free-oil and floating debris. Independent university laboratory performance evaluations have shown the Aqua-Swirl™ achieves a TSS removal of 91% calculated for a net annual basis.

Typically designed in an “off-line” configuration, the Aqua-Swirl™ Concentrator can effectively treat the water quality flow required by most municipalities (90% - 95% of annual runoff volume) while larger, less frequent storm events are directed around the system, eliminating the possibility of re-suspension of captured pollutants.

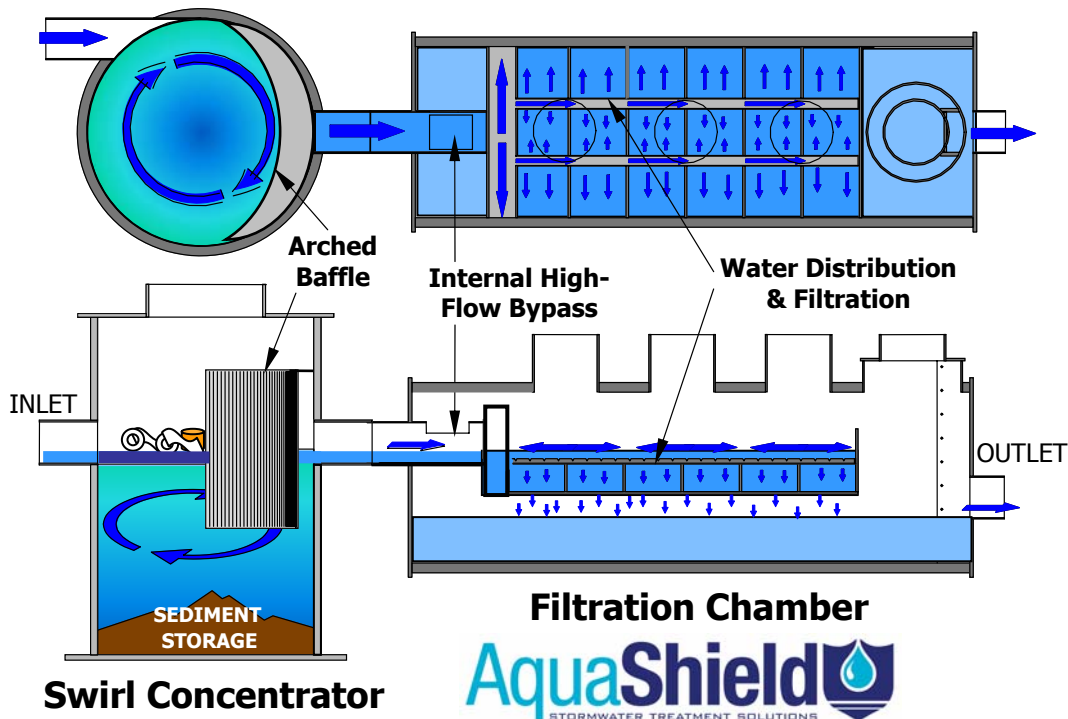




Aqua-Filter™ Stormwater Filtration System

The *Aqua-Filter™ Stormwater Filtration System* is designed for projects that require advanced treatment for stormwater discharging to sensitive receiving waters. Each system is custom engineered for site-specific needs.

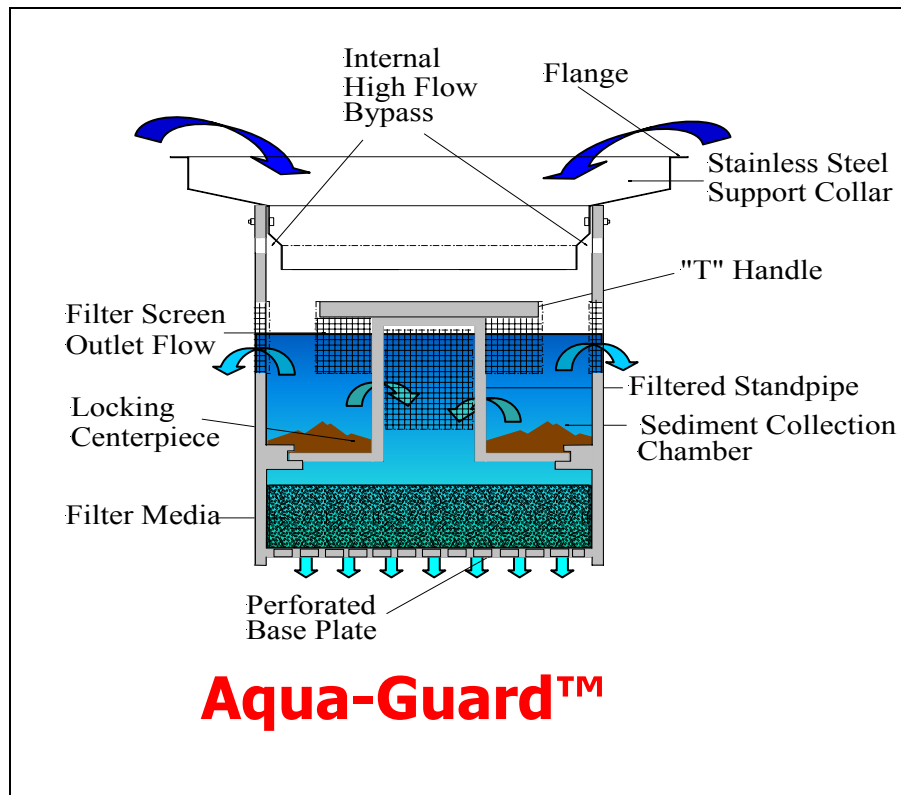
The patented Aqua-Filter™ system utilizes a unique “treatment-train” approach. The system includes a Swirl Concentrator designed for gross contaminant removal which pre-treats stormwater before entering the Filtration Chamber. A variety of natural filter media are used in the filtration chamber to complete the treatment process by polishing the stormwater, removing greater than 80% of fine sediments and water-borne pollutants.





Aqua-Guard™ Catch Basin Insert

The *Aqua-Guard™ Catch Basin Insert* is the first line of defense in a stormwater treatment plan. Most often used in parking lot and roadway catch basins, the patented Aqua-Guard™ works to remove gross contaminants, oil and sediment, from urban run-off. These inserts are constructed from durable, corrosion resistant high-density polyethylene and stainless steel, making them lightweight, easy to install and easier to maintain.





Applications

AquaShield™ Stormwater Treatment Systems are highly adaptable and custom designed to be specified on virtually any new development project. Their flexible design also allows for easy retrofit into existing facilities. Typical applications include:

- Retail/Commercial Developments
- New and Existing Industrial Facilities
- Highway/Transportation Facilities
- Watershed Protection
- Redevelopment/Retrofit Sites
- Government Facilities
- Military Installations, Bases and Birthing Wharfs
- Vehicle and Equipment Wash Rack Areas
- Fueling Centers and Convenience Stores
- Fast Food Restaurants
- Office Complexes
- Residential Developments
- Coastal Communities
- Drinking Water Well-head Protection Areas





Sample Installations

Aqua-Swirl™ Concentrator Stormwater Treatment System

- Vehicle Washdown Area in Grand Rapids, MI
- Industrial Facility Parking Lot in Olancho, CA
- Church Parking Lot in Hixson, TN
- Shopping Center Parking Lot in Honolulu, HI
- Storage Yard in Charlotte, NC
- Maintenance Facility in Eugene, OR
- Housing Subdivision in Macomb County, MI
- Fueling Station in Knoxville, TN
- Roadway Project in Grand Rapids, MI
- Naval Air Station in San Diego, CA
- Grocery Store in Emmett, ID
- Residential Development/Golf Course in Indianapolis, IN
- University Housing in Indianapolis, IN
- Department of Transportation Center in Knoxville, TN
- News/Publishing Facility in Honolulu, HI

Aqua-Filter™ Stormwater Filtration System

- Housing Subdivision in Anchorage, AK
- Industrial Facility Parking Lot in Massena, NY
- Institutional Parking Facility in Kalamazoo, MI
- Truck Wash in Oklahoma City, OK
- Department of Public Works Facility in Wayne, MI
- Roadway Project/Test Facility in Seattle, WA
- Commercial Facility Parking Lot in Rockville, MD
- Roadway Project in Novi, MI
- Hotel Parking Lot in Dumphries, VA
- Highway/Stream Re-development in Jackson, WY
- Navy Base Pier in San Diego, CA

Aqua-Guard™ Catch Basin Insert

- Solid Waste Transfer Station in Knoxville, TN
- Industrial Facility Parking Lot in Chardon, OH
- Storm System Drain To Ocean in Los Angeles, CA
- Pharmacy Parking Lot in Chattanooga, TN
- Vehicle Washdown Area in Mobile, AL

- Military Facility in Kauai, HI
- Heavy Industrial Facility in Virginia Beach, VA
- University Test Facility in Honolulu, HI
- Heavy Traffic Street in Knoxville, TN
- Navy Base Pier in Mayport, FL
- Sports Arena in Washington, DC
- Packaging Store in Mt. Laurel, NJ
- Truck Stop in Chattanooga, TN



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