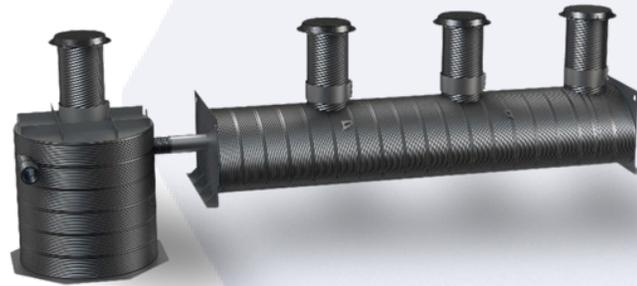


Aqua-Filter™



Achieve higher removal of fine particulates and meet today's most stringent water quality effluent standards with a high-performance media filtration system engineered for reliability, flexibility, and proven results.



HIGH-PERFORMANCE STORMWATER FILTRATION SYSTEM

Aqua-Filter™ is a media-based stormwater filtration system engineered to remove fine particles, suspended solids, nutrients, and heavy metals from stormwater runoff. Designed for post-construction applications, Aqua-Filter units operate through vertical gravity flow using environmentally safe, long-lasting media to meet the most stringent water quality standards.

The system's pre-engineered modular design supports a wide range of treatment flows and configurations making it ideal for decentralized or space-constrained sites.

Aqua-Filter offers the following advantages:

- **High Pollutant Removal:** Independently tested to remove fine sediment, nutrients, and metals.
- **Custom Media Options:** Engineered blends optimized for site-specific contaminants, including enhanced media for nutrient removal or metals control.
- **Compact Design:** Low profile minimizes footprint while maximizing flow capacity.
- **Lightweight Construction:** Factory-built using high-strength polymer coated steel to allow fast crane-free installation.
- **Ease of Maintenance:** Surface-level access with no moving parts and integrated ladder for easy access.
- **Fast Installation:** Delivered fully assembled with inlet/outlet stub-outs, frames, covers, and risers to reduce site time.

KEY FEATURES

- ✓ up to 50% reduction in total cost
- ✓ 60-70% lighter than concrete
- ✓ up to 50% decrease in installation time
- ✓ Nutrient & heavy metal removal
- ✓ Media-based filtration
- ✓ 3rd party independently verified
- ✓ Easy maintenance access
- ✓ Made in USA

- **Regulatory Compliance:** Verified for performance by WADOE (GULD), NJDEP/NJCAT, TCEQ, and other state agencies.
- **Adaptable:** Compatible with new construction and retrofit applications, and each Aqua-Filter includes pretreatment using hydrodynamic separator for a treatment train approach.

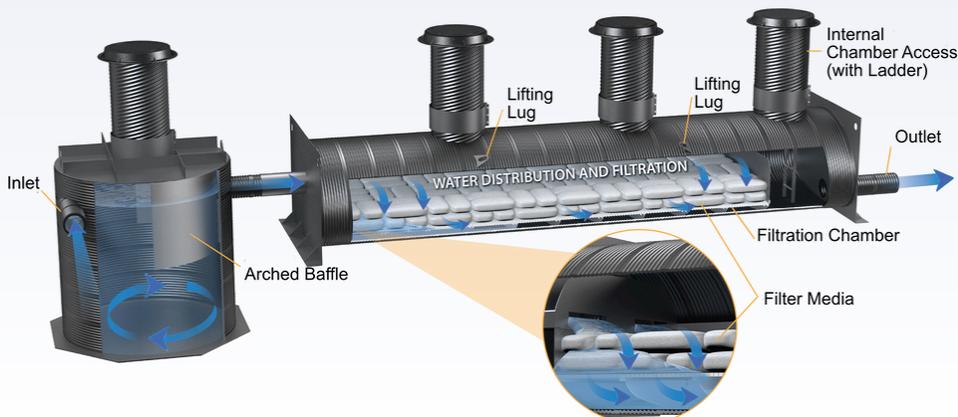
PRODUCT SPECIFICATIONS

Aqua-Filter units are available in a range of sizes from compact, round units for low-flow applications to large horizontal chambers with 1 to 19 filter rows. Each single-chamber system is engineered to handle flow rates up to 9.5 cubic feet per second (9.5 cfs). For sites needing even greater treatment capacity, multiple chambers can be installed in parallel and paired with a shared hydrodynamic separator for efficient pretreatment.

Each unit comes equipped with:

- Built-in pretreatment hydrodynamic separator to capture coarse sediment, floatables, and debris before filtration
- Pre-installed filter media bags secured with netting to maintain proper positioning and flow distribution within the filtration chamber
- Factory-installed inlet and outlet piping for seamless integration
- Removable manhole covers and access risers for easy surface-level access
- Internal ladder for safe and efficient inspection and maintenance

DESIGNED FOR PERFORMANCE



SUPPORT

Inspection & Maintenance

Nationwide network of certified service providers available. Detailed I&M manuals outline inspection steps, equipment needed, and best practices for media replacement and waste disposal.

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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