AQUA-AEROBIC SYSTEMS, INC.

# Aqua MiniDisk®

CLOTH MEDIA FILTER

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Aqua-Aerobic Systems is well-known throughout the wastewater treatment industry for its complete line of pile cloth media filtration systems including the original AquaDisk® and AquaDiamond® filters. The tradition continues with the Aqua MiniDisk® filter featuring OptiFiber® pile cloth media. This filter is designed to provide economical treatment of smaller flows with the added advantage of retrofitting existing traveling bridge sand filters.

## Features and Advantages

- Enhanced performance - achieves low TSS and phosphorus
- Vertically oriented cloth media disks reduce required footprint
- Each disk has two lightweight, removable segments for easy maintenance
- Low hydraulic profile
- High solids and hydraulic loading rates
- Minimal operating and maintenance costs
- Fully automatic PLC control system
- Available in painted steel, stainless steel or concrete tanks

Overview of a 10-disk AquaMiniDisk® unit.

## Modes of Operation

### Filtration Mode

- Inlet wastewater enters the filter through the influent channel
- Stationary, cloth media disks are completely submerged
- Solids are stored within the thick pile media
- Filtrate is collected inside the disks, then discharged to the effluent channel

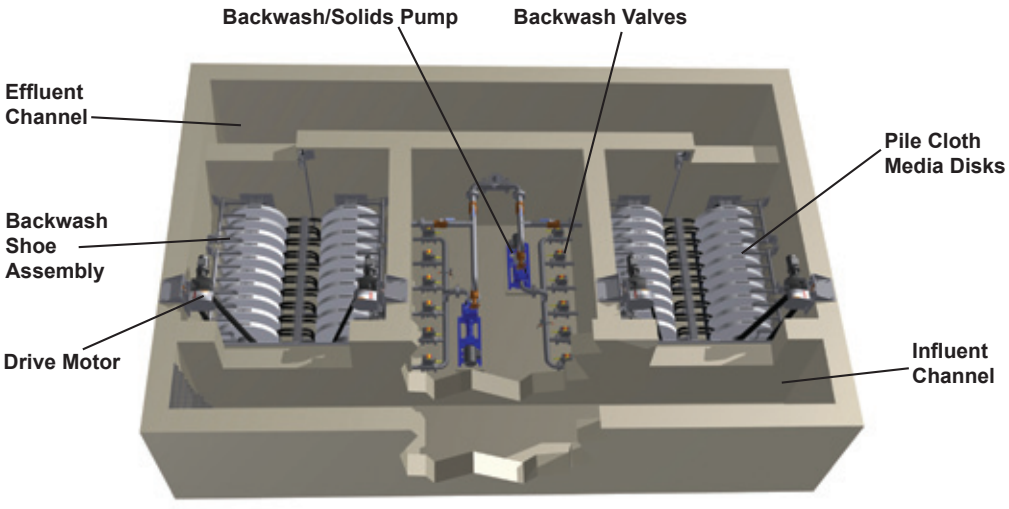
### Backwash Mode

- Solids are backwashed at a predetermined liquid level or time
- Backwash shoes contact the media directly and solids are removed by vacuum pressure from the backwash pump

### Solids Wasting Mode

- Heavier solids on the tank bottom are removed on an intermittent basis via the backwash/solids pump

## Increase Hydraulic Capacity with Modular Retrofits




The modular design of the Aqua MiniDisk filter retrofits neatly into existing 9 ft. (2.74 m) wide concrete traveling bridge filter basins, providing more than two times the hydraulic capacity of the original sand filters.

*Visit our website to learn more about the Aqua MiniDisk® Cloth Media Filter and our complete line of products and services.*

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Bulletin #660A 6/12