



ZERO2WASTE®

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(804) 512-0200 • www.filtermagic.com

Simple ✦ Reliable ✦ Efficient
Innovative Technology



Every Drop Count\$

A Filter Control
Optimization System



Multi-Year Warranties



INNOVATIVE
FILTER CONTROL
SYSTEM



ZERO2WASTE®



The Ultimate Filtration Solution

- A Fully Automated Filter Control System that Produces Consistent High Quality Water
- Filter Optimization that Precisely Controls Bed Expansion and Backwash Duration
- Eliminates Excess Backwash Water
- Increases Water Production
- Maximizes Filter System Performance and Efficiency



Is your plant wasting water?

In our experience, most gravity filter systems in water treatment plants tend to waste backwash water but aren't always aware of it. Filter Magic®, can potentially save you a substantial amount of backwash water as well as upfront capital costs & long-term maintenance costs.

Filter Magic®

Filter Magic® is a pre-packaged, pre-programmed, proven and patented, innovative filter control system. We take complete responsibility for the entire filter control system including all controls, instrumentation, valve actuators and water.

Our comprehensive user friendly pre-programmed software solutions are customized for precise operation and backwash requirements.

Our patented solutions include 2-wire low voltage Actuator Sensor Interface (AS-I) bus networks between filter control consoles and all related valve actuators and instrumentation substantially eliminating traditional conduit and wire systems between these devices.

Filter Magic® filter control systems work with pneumatic, electric or hydraulic valve actuators. It's perfect for retrofit solutions or new construction for surface, ground or tertiary gravity filter systems in water or wastewater treatment plants.

Zero2Waste®

Zero2Waste® is an integral part of Filter Magic®. This patented technology can provide a significant ROI through water savings by :

- Continuous monitoring of turbidity on top of the filters, especially during a backwash, allowing our patented filter backwash control system to precisely terminate the high wash based on turbidity.
- Continuous monitoring of filter media level at all times, especially during a backwash, allowing our filter backwash system to precisely control the filter media bed expansion during the high wash regardless of water temperature.
- Enhanced filter system performance and efficiency. Historical data and analysis of long term filter performance,
- Reduction in cost of wastewater treatment systems.
- Increase in water production.

Filter Magic® Zero2Waste®

Solutions include a 3 or 5 year comprehensive warranty on the entire filter control system that we provide. Our products are made in America and is **green technology** which optimizes the filter system to **save water**.

WATER
Every Drop Counts

ZERO2WASTE®

What's a percent or minute worth when optimizing your backwash?

Filter Magic® Zero2Waste® filter optimization solutions:

- Can save you up to 5% or more in production water.
- Can save you up to 10 minutes or more in backwash water every high wash.

For example:

Fayette County Water System

Crosstown Road Water Treatment Plant

Peachtree City, Georgia

- 6.8 MGD / 8 Filters
- Zero2Waste® filter optimization technology reduced their backwash runtimes by 10 minutes
- Saved 100,000,000 gallons of water
- Increased filter system efficiency by 4%
- Saved more than \$100,000 annually

