



# Product Line

## Filtronics makes a system for you

Whether your application is municipal or industrial, Filtronics makes a water filtration system to satisfy your requirements. Simple and efficient, Filtronics systems use the classic approach to water treatment: chemical addition, mixing, flocculation, sedimentation, filtration. Our experience goes beyond the classical with our exclusive Electromedia, state-of-the-art system design, and custom configuring.

### EM-I System - Arsenic, Iron, Manganese, Chrome & other Metal Removal

A simple, compact filtration system that effectively removes arsenic, iron, manganese and other metals without the use of green sand or potassium permanganate. EM-I filters up to 15 gpm per sq. ft. with a single vessel system capable of flows up to 2300 gpm.

### EM II System - Turbidity Filtration without Alum or Polymer

Electromedia II is designed for applications where high quality filtrate for process water is required prior to reverse osmosis and deionization. Without the use of alum or polymer, the system filters up to 15 gpm per sq. ft. with flow ranges of 30-2300 gpm simplex systems.

### EM-III System - Heavy Suspended Solids Filtration

Where space constraints preclude use of a clarifier, Electromedia III removes heavy suspended solids from water having up to 200 ppm contaminants. The system is excellent for treatment of primary sewage after gross solids have been removed, car wash rinse waters, and a number of irrigation waters filtering up to 5 gpm per sq. ft. with flow ranges of 10-750 gpm. simplex systems.

### EM-IV System - Secondary Sewage Filtration

Electromedia IV filters properly treated secondary effluent waters containing suspended and settleable solids of 50 ppm. The system uses no alum or polymer to produce filtrate qualities of less than 5 ppm and filters at 5 gpm per sq. ft. with flow ranges of 10-750 gpm symplex systems.

### EM-V System - Turbidity Filtration

Electromedia V effectively filters turbid river & canal water using alum as a coagulant in 'direct' filtration up to 10 gpm per sq. ft. with flow ranges of 20-1500 gpm.

### EM-VI System - Heavy Metal Removal

Electromedia VI is used when you are exceeding your discharge limits for lead, zinc, copper, chrome, or other heavy metals in situations when suitable water quality is desired for discharge to sewer or for recycling purposes. Filters up to 10 gpm per sq. ft. with flow ranges of 20-1500 gpm.

### EM-VII System - Cooling Tower Side Stream

Electromedia VII removes suspended solids from cooling tower side stream waters. Filters up to 15 gpm per sq. ft. with flow ranges of 30-2300 gpm.

### EM-VIII System - Sea Water Filtration

Electromedia VIII filters suspended solids from sea water for applications such as aquariums, research facilities, brine water injection or desalinization pre-treatment. Filters up to 10 gpm per sq. ft. with flow ranges of 20-1500 gpm.

### EM-IX System - Adsorptive & ION Exchange

Filtronics offers a variety of alternatives to mechanical filtration. Our EM-IX systems use Activated Alumina, Arsenic Adsorption or ION Exchange depending upon the issue. Applications include arsenic, fluoride, softening, radium, nitrate, perchlorate. Filters up to 10 gpm per sq. ft. with flow ranges of 30-2300 gpm.

### EM-Pure® Membrane Products, Systems & Service

We offer a complete line of Membrane Systems for a wide variety of municipal and industrial water treatment and seawater desalination applications. Our line includes complete systems, membrane elements, controls, filters and high-pressure pumps. Our award winning service team is available for regular maintenance to keep your system trouble free.

### EM-mini - Low Flow Pre-Engineered Treatment Systems

Filtronics offers a flexible, economical, complete pre-packaged modular system with automated valves, flow meter, pressure gauges and flow controls for simple permitting and painless installation. Flows from 5 gpm to 150 gpm. Our EM-mini is perfect for small communities, schools, motorhome parks, small utilities, manufacturing, water re-use, remediation & industrial streams.

### CRS+6 Transformer - Chromium Removal

Our CRS+6 Transformer uses a process of Reduction, Coagulation, Filtration (RCF) to bring Chrome levels to below 10 ppb. Not affected by high sulfate concentrations, we can treat streams of 5 to 20,000 gpm+.

### H2S Transformer

Skid mounted, simple solution to the troublesome "rotton egg" odor. Our H2S Transformer treats up to 10 ppm Hydrogen Sulfide/Sulfide with Zero Discharge.

### NXT-2® Media

A patented Lanthanum based adsorptive media with the lowest treatment costs per thousand gallons for in the removal of arsenic, phosphate, chromium, selenium, fluoride, lead, antimony, and more. Designed for maximum capacity with improved stability against PH upset.

### Packaged Surface Treatment Systems

Filtronics offers a flexible economical system for applications requiring complete treatment including rapid mix, flocculation, and clarification. Through modular construction and design flexibility, our treatment systems can be configured for any space without compromising quality.

### Filtronics Envirowash® - Backwash/Reclaim System

Filtronics automated 4 minute backwash reclaim system allows you to reclaim more than 99% of your backwashed water resulting in lower costs and environmental savings.

### Filtronics Pilot Test

Filtronics pilot test provide long term, real time data to determine the treatability of the water source, removal efficiencies, and operating costs. The pilot test provides the basis for design, performance and operational warranty of the of the full scale system.



Electromedia® and Envirowash® are registered trademarks of Filtronics, Inc. EM-Pure™ is a trademark of Filtronics, Inc.

Our systems are  
**GREEN** friendly.

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