



Electromedia® I

Arsenic, Iron and Manganese Removal Systems

THE LOWEST COST OF OPERATION AVAILABLE. PERIOD.

Purifying well water, ground water and surface water for municipalities and industrial companies requires proven systems that are simple, efficient and cost-effective. Our EM-I is our flagship filtration system designed to reduce operating costs, require minimal operator involvement, handle large flow volumes effortlessly, and meet regulatory standards. These modular systems are designed to fit seamlessly into small community water flows, and be scaleable to handle the largest of cities/counties.

By increasing purification efficiency, lowering chemical costs, increasing media longevity, reducing footprint size and reclaiming up to 99.9% of backwash water, Filtrionics EM-I permanent media systems offer the lowest cost of operation available. No other process or competitor on the market can match us. The municipal industry standard cost per thousand gallon figure is .20¢. We often deliver at .01¢ per thousand gallons.

Filtrionics Advantages

- Complete Filtration Solution
- Permanent Filtration Media
- Exceeds Federal Safe Drinking Water Requirements
- Simplified Operation, Monitoring & Maintenance
- Smallest Footprint in the Industry
- Practical and Cost Effective
- Microprocessor Controlled
- High Filtration Rates



22 MGD Arsenic, Iron &
Manganese Removal system

Filtrionics Inc 3726 E. Miraloma Ave, Anaheim, CA 92806 USA
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Electromedia® I Arsenic, Iron and Manganese Removal Systems

Removal of Arsenic, Manganese, Iron, Fluoride, Radium and other Heavy Metals is a constant challenge for water purification plants. By using our proprietary permanent media, along with chemicals that are less expensive than required by other filtration systems, we've put together a process that is praised for its simplicity, economy, and reliability.

With over 1,100 installations across North America, many operating reliably over 30 years later, our 37 years as an industry leader have shown a proven track record of building effective systems. The backwash residuals to waste are non-hazardous and have passed both TCLP and California's stringent WET test. Filtronics uses only ANSI/NSF Standard 60 and ANSI/NSF Standard 61 compliant media.

AUTOMATION

Our standard controls package uses a PLC and graphic display panel for automatic, unattended operation. Automatic filter controls include automatic reset timers for filtration, backwash, and purge. Backwash is initiated by time or differential pressure override. Controls are housed in a NEMA 4 or NEMA 12 enclosure.

STANDARD EQUIPMENT

- Backwash flow controls, air release valves, automatic filter control valves
- Filter tanks are carbon steel, with epoxy lining of all wetted surfaces.
- Each tank fitted with 12" X16" access hatches, 6" x 8" hand holes, or manways depending on filter size.
- Standard interior fittings: PVC, and/or stainless steel.
- Flow range from 10 to 20,000 gpm or more.
- 60+ psi pressure tank ASME code, stamped.



**Reduce Costs,
Eliminate Impurities.**

**FROM MOBILE HOME PARKS
TO LARGE CITIES**

**CLEAN PURE
DRINKING WATER**

What they are saying about Filtronics....

"The Filtronics system was selected after an evaluation was made of six different treatment systems. It can treat up to 6.9 MGD at the same cost as five alternate 3.5 MGD options"

**David Laughlin, P.E.
TX Resource Management**

"Why's plant is functioning automatically and taking our Arsenic from 150ppb to 1 or 2 ppb. The system is great and Why is very pleased with it."

**Jeff Bower, Tres Rios Engineering
Why, AZ**

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