



**FILTRONICS**  
MUNICIPAL & INDUSTRIAL FILTRATION SYSTEMS

FOR REMOVAL OF  
ARSENIC, MANGANESE,  
IRON, RADIUM & OTHER  
HEAVY METALS

**EM-I**  
EXPERIENCE • EFFICIENCY • SIMPLICITY

**FILTRONICS**  
MUNICIPAL & INDUSTRIAL FILTRATION SYSTEMS  
[www.filtronics.com](http://www.filtronics.com)

**Corporate Headquarters:**  
Filtronics, Inc.  
3726 E. Miraloma Ave.  
Anaheim, CA 92806  
**(714) 630-5040**  
info@filtronics.com



# Reliable, Economic, Efficient, Automated.

**Removal of arsenic, manganese, iron, radium, and other heavy metals is a constant challenge for water purification plants. Electromedia®-I meets that challenge.**

Electromedia-I (EM-I) often exceeds the required standards, ensuring your water quality is consistently clean, pure and in compliance. 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.

Purifying well water, ground water and surface water for municipalities and industries requires proven systems that are efficient and cost-effective. Our Electromedia-I is designed to reduce operating costs, require minimal operator involvement, handle large flow volumes effortlessly and meet or exceed regulatory standards. These modular systems are designed to handle any volume of flow – from small communities to the largest of cities/counties, and are able to handle growth as needed.

## THE LOWEST COST OF OPERATION AVAILABLE. PERIOD.

By increasing purification efficiency, lowering operator involvement, increasing media longevity, reducing footprint size and reclaiming 99.9% of backwash – FILTRONICS EM-I Permanent Media systems offer the lowest cost of operation available. No other process or competitor on the market can match us.

**EPA studies demonstrated operating costs for arsenic removal to be between 20 and 30 cents per thousand gallons of water. Filtronics has systems operating at as little as one cent per 1000 gallons\*.**

## PROVEN – NOT EXPERIMENTAL

We've logged many years as an industry leader with a proven track record – many of our original systems are still operating reliably over 30 years later – we've learned what operators, technicians, architects and engineers require: simple systems to install and operate, efficiency of backwash time and reclamation, minimal chemical dosing and most importantly the bottom line: reducing costs of operation.



\* For more information, feel free to contact your representative, or please call (714) 630-5040

# The EM-I System

## CASE STUDY

Over three decades ago, these three small communities in Georgia had some common problems. They had unacceptable levels of Iron & Manganese in their drinking water, and only modest budgets with which to correct these problems. Each one of these communities, in its own, turned to Filtronics for a solution.

The people in Wadley, Waynesboro and Louisville, Georgia, now have no worries about their well water or their budgets. For all these years, these three communities have had the peace of mind that comes from knowing their Filtronics EM-I water filtration systems is continuously treating their drinking water safely and efficiently. Like so many others, they found the solution to their water problems with Filtronics Electromedia-I.



## HERE ARE JUST A FEW OF OUR MANY COST-SAVING ADVANTAGES OVER OUR COMPETITORS:

- **Permanent media – no replenishment**
- **Smallest footprint in the industry**
- **Only a 4-minute backwash needed**
- **99.9% of backwash is reclaimed**
- **No hazardous waste**
- **Automated, unattended operation**
- **Remote access technical support**

For dependable treatment of impurities including arsenic, manganese, iron, radium, and other heavy metals, count on Filtronics. We can easily solve your water quality problems at the absolute lowest cost. Send us your general mineral analysis or call our corporate office at **(714) 630-5040** with any questions.

## WHAT OTHERS SAY ABOUT EM-I

With clients ranging from small communities to large cities and large industries, our products need to perform flawlessly and perpetually. But don't just take our word for it. Listen to what our clients are saying about our FILTRONICS Electromedia-I (further references and case studies available upon request).

**"The system is performing exactly as claimed"**

*John Bliss, City Engineer  
Fredericton, New Brunswick,  
Canada*

**"Why Filtronics? Well, it's cheaper. No, don't say that. Capital costs are less. Operating costs are low. Less labor-intensified. Make that more cost-effective."**

*Nelson Evans, Operations Manager  
Goleta (CA) Water District*

**"I'll check on the system maybe an hour a week. No iron/manganese problem. No complaints."**

*Steve Jump, Ranch Service Foreman  
Limoneira Associates, Santa Paula, CA*