

MEMBRANE SYSTEMS

Advanced

Water

Treatment

Solutions

Membranes play a key role in many industrial and high-purity water treatment systems, both for pretreatment and as an integral part of the deionization system. Their use has grown over the years and in addition to industrial applications, membranes are also important in municipal water treatment, color removal, brackish water desalination, seawater desalination, water reclaim and the treatment of secondary effluent for water re-use.

Membrane systems are used by facilities who desire to use treatment technologies that reduce chemical use. Membranes can more easily achieve the water quality requirements than other treatment methods and are effective pretreatment methods to downstream IX or EDI treatments.

Filtronics EM-Pure™ Membrane systems are designed to remove up to 98% of minerals, salts and other inorganic dissolved solids such as metals, fluoride, sodium, calcium and alkalinity, plus remove pathogens, including giardia, cryptosporidium, viruses and bacteria, exceeding the requirements of SWTR and USEPA regulations.

All Filtronics EM-Pure™ membrane selections carry ANSI 58 and California Department of Health Services approvals.

FILTRONIC'S EM-PURE™ CAN PRODUCE FROM 10,000 TO 1,000,000 GALLONS OF PURE WATER EACH DAY. WE CAN DEVELOP ANY SIZE UNIT TO MEET YOUR REQUIREMENTS.

Filtronics Advantages

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



As a leader in filtration innovation, Filtronics engineers can determine practical and cost effective solutions to meet your water quality needs.

MEMBRANE SYSTEMS

Advanced

Water

Treatment

Solutions

EM-PURE™

The EM-Pure™ Line of Membrane Systems are fully automated, self contained purification systems ideal for a wide variety of municipal and industrial water treatments. Microbial control, water re-use, high purity post-treatment, power industry and seawater desalination are some of the applications where EM-Pure™ is extremely effective.

Filtronics EM-Pure™ systems feature NSF certified membranes which are specifically designed to increase efficiency and reduce costs by providing high rejection at low pressure. The membranes last an average of 4-8 years, with some lasting as long as 12 years.

Our Filtronics EM-PURE™ system can be combined with any other Filtronics Electromedia® system. Prefiltration can extend the life of the membranes and reduce overall operating costs dramatically. Filtronics will design the proper treatment approach based upon influent quality, economics and space management.

Membrane Selections

Membrane selections for municipal drinking water applications include ultra-filtration for surface water treatment and groundwater under the influence of surface water featuring over a 5 log removal of pathogens, including giardia, cryptosporidium, viruses and bacteria, exceeding the requirements of SWTR and USEPA regulations. Other membrane selections include Colorguard™ for color removal, 200 color units to less than 5 color units; low pressure composite for water softening applications and reduced power consumption costs; brackish water desalination, seawater desalination, and the treatment of secondary effluent for water re-use.

Hyper-Filtration™

The Hyper-Filtration™ units substantially reduce the requirements for membrane cleaning and reduced output from high turbidity raw water spikes during rainy or high run-off periods. Hyper-Filtration™ along with our Electromedia® series will reduce overall membrane replacement costs.



3726 East Miraloma Avenue
Anaheim, California 92806

PH: 714-630-5040 Fax: 714-630-1160

email: info@filtronics.com

www.filtronics.com