



The World's Premier

MODULAR INDUSTRIAL WATER TREATMENT SYSTEM



A **CUSTOM** SOLUTION. A **COMPLETE** SOLUTION.

FINALLY, AN END-TO-END SOLUTION FROM A SINGLE SOURCE.

Culligan Industrial Solutions identifies your individual business requirements and then creates a modular water treatment system that is customized to meet those needs. It is this customization process that allows Culligan to offer you the most complete water treatment solution in the industry.

LIKE ANY GREAT SOLUTION, THE CULLIGAN® INDUSTRIAL SOLUTION HAS A LOT TO OFFER.

EFFICIENCY

- One of the fastest complete systems to market
- A flexible modular treatment solution to help meet your needs
- A cost-effective design, considering both capital and operating costs
- A field professional will train your staff on maintenance and operation
- One solution and one provider for your water treatment requirements

REDUCED OPERATING COSTS AND AN INCREASED ROI

- Reduction of TDS (total dissolved solids) will help extend the life of your equipment
- More efficient equipment means reduced labor and maintenance costs
- Reduce energy consumption, which could help you meet EPA guidelines
- Protect the environment by reducing consumption of resources and chemicals, which can positively influence customer perceptions
- Rigorous testing of each product helps promote quality and saves you time and money

ADVANCED ELECTRONIC CAPABILITIES

- Alarm recognitions
- Historical operating data logging
- U.S. Standard and Metric readings
- Remote monitoring options
- Programmable Logic Controllers (PLCs)
- Telemetry options — a low-cost alternative to PLCs



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The above skid including pre-treatment, membrane de-gassing and distribution is deployed in a Steam Assisted Gravity Drainage (SAGD) facility in Western Canada.



The Culligan depth filters produce 640 gpm of treated water for a military application and are designed to meet local wastewater discharge standards for suspended solids.



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EACH CULLIGAN® INDUSTRIAL SOLUTION MODULE IS CUSTOMIZED TO YOUR SPECIFIC INDUSTRIAL WATER NEEDS.

PRE-TREATMENT SOLUTIONS.

The 1st Module includes multi-media filtration, which reduces turbidity, odors, iron, manganese and heavy metals from water. Softening is also used to reduce water hardness, preventing scale and increasing the efficiency of process equipment.

- Filtration • Chemical Treatment • Anti-Scalants • pH Adjustment
- Softening — with brine-reclaim and AquaSensor Technology



MEMBRANE SOLUTIONS.

The 2nd Module features micro-, ultra- and nano-filtration, which reduce turbidity, suspended solids, and organic substances. This prepares water for effective disinfection and Reverse Osmosis. In addition, the second module features Reverse Osmosis membranes, which act as barriers to salts and organic substances including micro-contaminants, pesticides, pyrogens, and some viruses and bacteria. Reverse Osmosis can eliminate the need for chemical regenerants, further reducing costs.

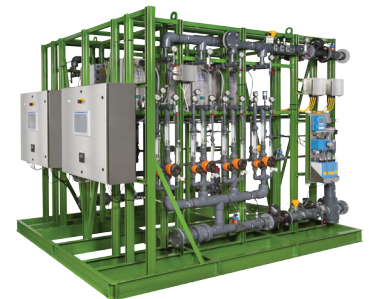
- Micro-filtration • Ultra-filtration • Nano-filtration • Reverse Osmosis



DEIONIZATION SOLUTIONS.

The 3rd Module features a charged ion exchange resin, which reduces mineral ions from water, given a wide variety of water quality. The result is polished water that is free of salts, eliminating the accumulation of scale.

- Portable Exchange Deionization (PEDI) • Continuous Electro Deionization (CEDI)



STORAGE SOLUTIONS.

The 4th Module offers purified water storage. These storage solutions allow our customers to store water for peak demand conditions. Customers can size equipment based on average water usage, which helps reduce capital costs.

- 250 - 100,000 Gallons



DISTRIBUTION SOLUTIONS.

The 5th Module offers delivery options, as well as further treatment of water, depending on your water quality requirements.

- Re-pressurization • Sanitization • Sub-Micron filters • Distribution Systems
- Re-circulation Systems • Disinfection Systems — UV, Ozone, or Chlorination



WE ASK THE RIGHT QUESTIONS SO YOU GET THE RIGHT SOLUTION.

The Culligan Industrial Solutions process begins with a Culligan professional working with you to identify your specific water quality needs. By understanding these needs we can customize a system that gives you everything you require and nothing you don't – saving you money and helping you increase your return on investment (ROI). At Culligan, we take pride in working closely with our customers so we can provide comprehensive industrial water treatment solutions.

WE HAVE THE RIGHT SOLUTION FOR YOUR INDUSTRY'S NEEDS.

MANUFACTURERS

Every manufacturer has specific water quality requirements based on the need for consistent production. With our expansive line of technologies including pre-treatment, membrane filtration, polishing, storage, and distribution, we can customize a solution to meet your process water needs while also offering technologies that will help minimize wastewater discharge and help you meet strict EPA regulations.

HEALTHCARE

Reverse Osmosis units, mixed bed deionization systems and continuous electro-deionization systems can be used to meet the high purity water quality requirements in the Healthcare industry. Additionally, water treatment can be used in sanitization processes to prevent the growth of bacteria, mold, algae and fungi in equipment.

FOOD & BEVERAGE

Whether it's ingredient water, preparation water, process water, utility water or wastewater minimization, we have the diverse experience to understand your specific Food & Beverage water treatment needs.

ENERGY & POWER

A Culligan customized water treatment solution will allow you to increase the cycles of concentration and optimize the use of cooling tower make-up water resulting in significant cost savings. Furthermore, treating the make-up water with a Reverse Osmosis system will reduce dissolved solids and minimize scaling while various disinfection technologies, including biocides, can be used to prevent biological growth and promote continuous flow of water through the tower.

OTHER MARKETS SERVED

- Agriculture
- Assisted Living
- Automotive
- Bio-Pharmaceutical
- Botanicals
- Bottled Water Plants
- Casinos
- Chemical Processing
- Commercial Buildings
- Dairies
- Educational Facilities
- Energy/Power Cogeneration
- Electronics
- Government
- Grocery
- Food/Beverage
- Health Clubs
- Hotels/Lodging
- Hospitals/Healthcare
- Ink/Dye Production
- Laboratories
- Laundry
- Manufacturing
- Marine
- Military
- Multi-Unit Housing
- Municipalities
- Plating/Coating
- Printing
- Pulp/Paper
- Oil/Petroleum/Gas
- Textile
- Theme Parks
- Universities
- Vehicle Wash



Place your industrial water treatment needs in the hands of a global leader.

For over 75 years, Culligan has made better water. Our global network, comprised of 800+ dealers and international licensees in over 90 countries, is dedicated to addressing your water-related problems. As a worldwide leader in water treatment, our sales representatives and service technicians are familiar with the local water conditions in your area. Being global and local position us to deliver customized solutions to commercial and industrial water issues that affect your business and your bottom line.

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