

high purity ~ simple package ~ proven reliability

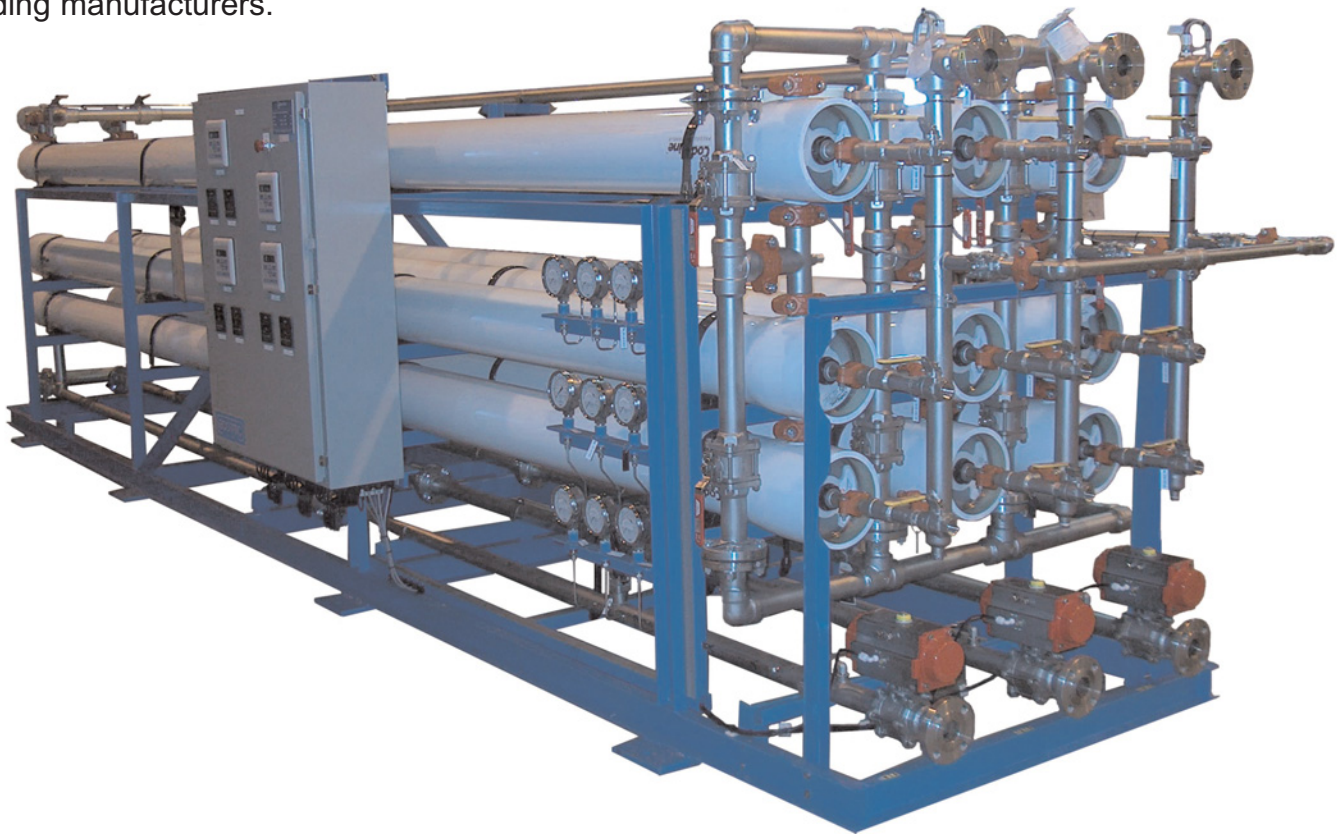
Eco-RO™

Reduce maintenance and membrane replacement costs through Eco-Tec's economical reverse osmosis configuration. The Eco-RO™ system prevents rapid membrane fouling, and can extend membrane life up to 5 years while consistently producing high purity water.

What is Eco-RO™?

Eco-Tec integrates reverse osmosis (RO) into a water treatment system when feed water has a high concentration of total dissolved solids (TDS) or other parameters that require additional pre-treatment. Eco-RO™ systems are designed to reduce dissolved solids from feed waters with salinities up to 45,000 ppm TDS using equipment and membranes from leading manufacturers.

Combined with Eco-Tec's pre-filtration units before the RO system, and polishers following the RO technology, the complete Eco-RO™ system produces product quality of less than $0.1 \mu\text{S/cm}$ (<10 megohm).



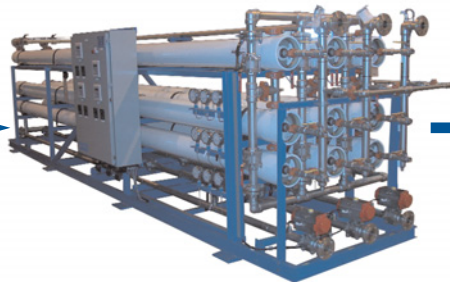
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Features	Benefits
High Purity Water	Produced filtrate quality of less than 0.1 µS/cm (< 10 megohm).
Robust Design	Uses strong, energy-conscious membranes that are not sensitive to fouling. Using the Spectrum Micro Media Filter™ ahead of the RO ensures long membrane life with minimal fouling, while the Recoflo® Demineralizer eliminates the need for electrodeionization.
Automatic Response	Eco-RO™ is configured with automatic controls that adjust the system to respond to changes in RO permeate quality to optimize performance.
Minimal Chemical Use- Minimal Waste	Eco-RO™ configuration can utilize neutral waste volume as RO feed for a “zero waste” operation.
Simple Operation	Eco-RO™ eliminates the need for a double-pass RO configuration, and eliminates the need for complicated mixed beds, additional membranes, or power supplies, ultimately reducing costs.
Economical Operation	Eco-RO™ offers a system that reduces operating costs through lower labour, less maintenance, less membrane replacement, no double-pass, no mixed bed, and minimal waste.
Pre-Tested	Fast installation - Lower installation costs
Remote Monitoring	Reduced overhead - Outsourcing availability

Spectrum Micro Media Filter™



Eco-RO™ Reverse Osmosis



Recoflo® Demineralizer



Contact Eco-Tec For More Details.

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