

high purity ~ simple package ~ proven reliability

Recoflo® Integrated Water Treatment Systems

Eco-Tec specializes in integrating water treatment components to provide the highest purity water in a simple, reliable package. Based on your specifications and using Recoflo® proprietary technology, Eco-Tec offers water treatment systems that can be composed of micro media filters, demineralizers, reverse osmosis and condensate polishers*.

Spectrum Micro Media Filter™

The Spectrum Micro Media Filter™ is designed to handle source water with suspended solids concentration in excess of 100 mg/L. It provides a filtrate with turbidity of less than 0.1 NTU, particle size of less than 1 μm nominal and a filtrate silt density index (SDI) of less than 5.

Recoflo® Demineralizer

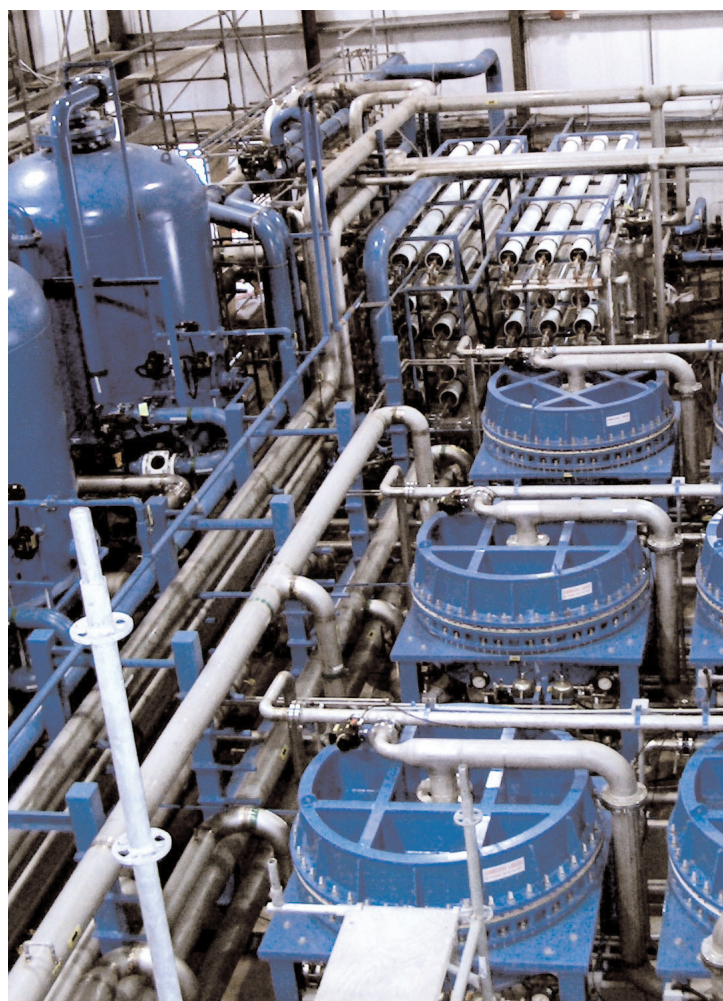
The highly efficient Recoflo® Demineralizer reduces chemical use and waste generation, producing high purity water, conductivity as low as 0.1 $\mu\text{S}/\text{cm}$, without the need for a mixed bed polisher.

Recoflo® Triflo™ Demineralizer

Provides the same efficiency as the Recoflo® Demineralizer, and with the added cation bed, the Triflo™ produces higher purity water with conductivity less than 0.1 $\mu\text{S}/\text{cm}$. The Triflo™ is used as a polisher to remove trace sodium and eliminates the need for an electrodeionization system.

Eco-RO™

Reverse osmosis (RO) is integrated into the system when feed water has a high concentration of total dissolved solids (TDS) or other parameters that require additional pre-treatment. Combined with Eco-Tec's pre-filtration products before the RO system, and polishers following the RO technology, the complete system produces very high purity with minimal chemical consumption.



Two trains, peripherals and a remote monitoring station in a 70 ft X 120 ft space



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Features	Benefits
Economical	Less chemicals, lower operating costs
Low waste	Lower waste treatment costs
Ultra-compact design	50% less floor space & headroom required
Completely automated	Reduced maintenance and operator costs
Skid-mounted, pre-assembled	Low installed costs
Pre-tested	Fast installation
Short cycle times	Semi-continuous flow-more throughput
Remote monitoring	Reduced overhead (outsourcing available)

Integration Components*

**Spectrum Micro
Media Filter™**



Recoflo® TriFlo™ Demineralizer



**Eco-RO™
Reverse Osmosis**



**Spectrum Micro Media Filter™
+
Recoflo® TriFlo™ Demineralizer**

**Spectrum Micro Media Filter™
+
Eco-RO™ Reverse Osmosis
+
Recoflo® TriFlo™ Demineralizer**

Contact Eco-Tec For More Details.

* Other Eco-Tec components may include clarifiers, water softeners or cartridge filters.

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