

high volume purity ~ simple package ~ proven reliability

RecoPur[®] EOR Water Treatment System

Reduce capital and operating costs through consistent performance of produced water recovery and purification. The economical RecoPur[®] EOR Water Treatment System operates with NO chemicals and little or NO waste.

Why Use RecoPur[®] EOR Systems?

Quantity of Produced Water

The production of heavy oil requires treatment of large volumes of produced water. Required water treatment system capacities can be 3 or more gallons of water for every gallon of heavy oil produced. That quantity of water can easily be recovered and purified for use in EOR operations. The RecoPur[®] EOR system provides a continuous, online process for handling large volumes of produced water.

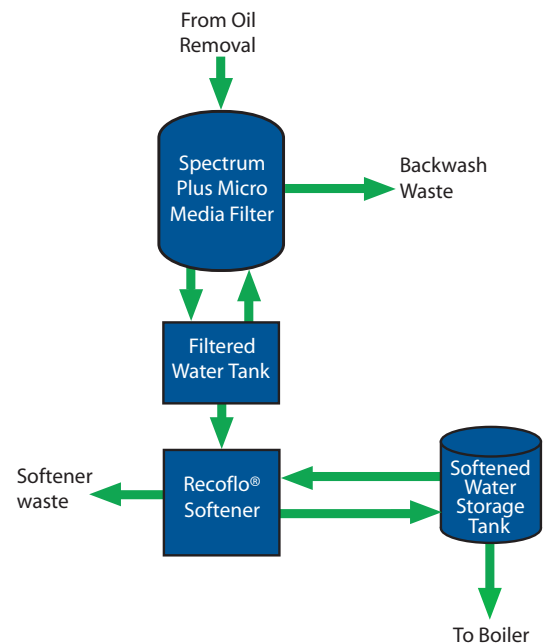
Quality of Produced Water

The large volumes of produced water can pose a water consumption and discharge concern. The RecoPur[®] EOR System can treat feed water that exceeds TDS of 12,000 mg/l and reduce hardness levels to below 0.2 mg/l (as CaCO₃). This quality of water enables its economical use in production processes.

Why Eco-Tec's RecoPur[®] EOR System?

Eco-Tec's RecoPur[®] EOR System requires no acid or caustic for regeneration, using only brine that results in lower operating costs. The system requires 60% less footprint than other options which provides for lower construction costs; and the system addresses the following specific needs of heavy oil producers:

- On-Time delivery and commissioning
- Handle variable large volumes of feed water
- Compact and easy to integrate
- Reduced water consumption
- Minimal commissioning costs
- Minimization of waste
- Economical treatment costs



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Features	Benefits	Impacts
Eco-Tec has a 35-year history with more than 1500 systems world wide	<ul style="list-style-type: none"> • Proven process technology and equipment designs • Long operating life of equipment • Experienced engineering 	<ul style="list-style-type: none"> • Proven, reliable equipment, operation and performance • Lower long-term capital investments • Low client risk
Eco-Tec's RecoPur® EOR System uses the highly efficient and effective Recoflo® ion exchange processes	<ul style="list-style-type: none"> • Proven process elements • Advanced technology • Proven results 	<ul style="list-style-type: none"> • Confirmed ability to meet TDS specifications • Low or no chemical consumption • Low or no waste volume
Higher operating flow rates and operates up to 95°C	<ul style="list-style-type: none"> • Reusable effluent as boiler feed water 	<ul style="list-style-type: none"> • Minimizes energy consumption • Lowers energy costs
The RecoPur® EOR System is compact, skid-mounted, factory assembled, and fully tested prior to installation	<ul style="list-style-type: none"> • Small footprint (60% less than others) • Easy to install • Easy to operate 	<ul style="list-style-type: none"> • Low site installation costs • Low operator and maintenance costs
The RecoPur® EOR System is fully automated with operation, maintenance, and monitoring available	<ul style="list-style-type: none"> • Minimal operating staff required • Remote monitoring and control available 	<ul style="list-style-type: none"> • Lower operating costs • Minimal risk • Maximum technical support

Since 1970, Eco-Tec's engineers have worked to perfect water treatment technologies for application to various industrial needs. Eco-Tec's efficiency and reliability are backed by over 1500 successfully installed systems in over 52 countries.

For more details, contact Eco-Tec and request Technical Papers 161 and 165!



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