

Xtreme RO (X-RO) enabled by BrineRefine

Extreme Reverse Osmosis Brine Concentrator

- Next generation RO: available in 1200, 1800 psi models
- Reduce brine volumes to new levels
- Leverage BrineRefine: automated chemical softening to remove scaling ions upstream
- Reduce costs through total system integration



Minimize Brine Volume

Reach peak brine concentration approaching osmotic pressure limit, made possible by removing scaling ions with BrineRefine.

Intelligent Automation, System View

Integrated controls for total system performance and monitoring.

Delivery Models

Saltworks can deliver complete RO-optimized packages or work with engineering companies and RO vendors to deliver a partnered project.

Process Flexibility

Reacts and adjusts to changing chemistry and capacity requirements.

Integration

Saltworks integrates with any RO system, tying upstream chemistry adjustments with downstream brine management through optimized processing and controls.

Total Support Operations

Complete packaged delivery and installation options: remote monitoring, 24/7/365 expert assistance, and predictive maintenance.

Maximize RO Recovery

Shrink Your Brine Volume

Manage Scale Risk

Optimized Total System Design

Operating Specifications

	X-RO 1200	X-RO 1800
Max Pressure	1200 psi	1800 psi
	~ 82 bar	~ 124 bar
Osmotic Pressure Brine Concentration Limit (mg/L NaCl)	80,000	130,000
Typical Flux at Peak (LMH)	10	2
Typical Energy at Peak (kWh/m ³ permeate)	6	8
X-RO (25 vessels)*	2,500 m ³ /day	500 m ³ /day
	~ 458 gpm	~91 gpm

*Peak capacity stated without de-rates