



Water Solutions



**DesaliTec<sup>TM</sup>** SOAR CCRO

Water Solutions



# Welcome to 21<sup>st</sup> Century Reverse Osmosis

DesaliTec™ produces the most advanced water purification system on the market. We save our clients more water with less cost and operational challenges than anyone else.

DesaliTec™ SOAR CCRO



## Saveguard

Avoid the downfalls of traditional reverse osmosis and thrive where others fail. DesaliTec™ patented CCRO process provides unprecedented performance and is trusted by Fortune 500 companies for their critical water purification and reuse needs.



## Streamline

Simplify your water treatment operations with unmatched flexibility and robustness. DesaliTec systems are easy to operate and automatically adapt to a wide range of changing water conditions, requiring less maintenance and oversight.



## Save

Reap the rewards of unparalleled efficiency with a predictable and rapid Return On Investment (ROI). DesaliTec guarantees maximum water recovery, reduces waste and energy use, and provides service and maintenance cost savings.



# DesaliTec™ SOAR Reverse Osmosis

DesaliTec™ SOAR CCRO systems are rapidly replacing traditional water purification methods.

DesaliTec clients around the globe rely on the consistent performance and ease of operation of their DesaliTec SOAR solutions, saving significant costs through reduced maintenance, maximum water recovery rates and lower energy consumption.

DesaliTec offers SOAR CCRO models meeting the requirements of most industrial applications.

DesaliTec offers SOAR Max systems, designed for Zero Liquid Discharge (ZLD) and sea water applications.





# Benefits

## **Flexibility**

DesaliTec™ SOAR CCRO systems automatically adapt to changing feedwater and allow the operator to modify recovery, cross flow, and flux in real time.

## **Reliability**

DesaliTec SOAR CCRO systems naturally mitigate the fouling and scaling that typically plagues reverse osmosis systems. Automated operation with online monitoring provides additional protection.

## **Maximum Recovery**

DesaliTec SOAR CCRO systems come with an industry-leading maximum recovery guarantee, operating at up to 98% recovery and allowing you to achieve your sustainability goals.

## **Energy Savings**

DesaliTec SOAR CCRO systems apply the optimal pressure to keep constant permeate flow, reducing average energy consumption by up to 35%.

## **Return On Investment**

DesaliTec SOAR CCRO systems minimize the largest cost associated with reverse osmosis system operation, wastewater disposal, which can be reduced by 50% to 75% and provide paybacks of under a year.

# DesaliTec™ SOAR Smart

DesaliTec SOAR Smart gives facility operators peace of mind, 24 hours a day, 7 days a week. It is an integrated online monitoring, analysis and control platform that maximizes your DesaliTec SOAR Reverse Osmosis system's performance and reliability. Many of today's Fortune 500 companies are relying on DesaliTec SOAR Smart to provide real-time control and visibility of their water purification systems.

Choosing DesaliTec SOAR Smart provides new ways of interacting with and controlling your DesaliTec SOAR Reverse Osmosis system, and the comfort of knowing it can take care of itself and alert you when needed. Combined with performance trend analysis, issues are proactively identified well before they can develop. With DesaliTec SOAR Smart you can focus on your business, knowing that your water treatment is being handled – intelligently.



## Primary Applications



Pure Water Supply



Boiler Feed Water



Cooling Tower Makeup



Ingredient Water



Process Water



Desalination



Water Reuse

## Client Examples







„As a consumer of water,  
Coca-Cola has a special  
responsibility to protect this  
shared resource.

Our DesaliTec™ reverse  
osmosis system helps us  
achieve our goal.“

Selim Mizrahi

Director of Engineering Services

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DesaliTec™ SOAR CCRO

# About us

Water scarcity is now a global problem. Growing water demand and excessive consumption of water is increasing with population and technology adoption. World experts advise that these water challenges will only get worse without improved water efficiency, reuse, and desalination.

DesaliTec™ SOAR CCRO systems are innovative solutions that forward-thinking users employ to address their water challenges. They are rapidly replacing traditional water purification methods due to their high reliability, efficiency, and economic value proposition.

DesaliTec industrial and municipal clients around the globe rely on DesaliTec SOAR Smart systems for their critical water needs and are guaranteed maximized water recovery rates of up to 98%, reduced energy consumption of up to 35%, and maintenance cost reductions of up to 20%.

DesaliTec is headquartered in Newton, Massachusetts, USA and was the proud recipient of the 2016 Breakthrough Water Technology Company of the Year award from Global Water Intelligence.

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