TWIN TANK CONFIGURATION provides continuous supply of soft water.

VOLUME-BASED COUNTERCURRENT REGENERATION optimizes salt and water use.

NON-ELECTRIC DESIGN simplifies installation & increases dependability.

INTEGRATED BYPASS enables uninterrupted service during maintenance.

LOW SALT DOSAGE (6.6 lbs/cu ft) reduces salt usage compared to industry norm (12-15 lbs/cu ft).

METERED REGENERATIONS lowers salt and water costs.

The Lifeline for the Industrial Gas Industry

NALCO Water
An Ecolab Company
**NALCO WATER**

**ADDRESSING INDUSTRY WATER CHALLENGES**

- Innovative solutions to fit your water sustainability goals and minimize water risk
- Meet water specifications for unit operations
- Deliver more than just products
- Continue delivery of high-quality results

**WATER MANAGEMENT**
- Total Plant Assessment
- Scenario Planning
- Regular On-Site Technical Service & Support

**PRE-TREATMENT**

**TROUBLESHOOTING AT THE SOURCE**

- Prevent scale buildup and corrosion
- Minimize downtime and chemical consumption
- Increase potential to use alternative water sources
- Improve water clarity

**RECOMMENDED PRODUCTS AND SERVICES**
- PARETO™ Mixing Technology
- Raw Water Biocontrol
- Ion Exchange and Membrane Services

**PROCESS**

**PROTECT YOUR MOST CRITICAL ASSETS**

- Reduce turnaround time
- Reduce downtime
- Predict and avoid downtime with proactive monitoring and control
- Reduce power in compressors
- Deliver consistent product quality

**RECOMMENDED PRODUCTS AND SERVICES**
- OMNI™ Total Heat Exchanger Performance Monitoring
HEAT EXCHANGE
DELIVERING CONSISTENT PERFORMANCE IMPROVEMENT

- Predict challenges, prevent outages and prolong operations
- Reduce water use within single unit operation
- Reduce energy consumption with clean cooling tower surfaces
- Meet operational temperature specification to meet product and discharge requirements

COOLING TOWER
ENSURE OPERATIONAL EXCELLENCE

- Meet regulatory compliance
- Ensure enhanced cooling tower performance
- Reduce maintenance costs

STEAM
MAINTAIN RELIABILITY

- Keep boiler surfaces free of scale
- Increase reliability and uptime
- Reduce cleaning maintenance and service calls
- Avoid unnecessary costly repairs and total asset replacement
- Reduce energy consumption
- Improve pre-boiler condensate corrosion control

RECOMMENDED PRODUCTS AND SERVICES
- 3D TRASAR Technology for Cooling Water
- High Performance Cooling Water Chemistry
- OMNI Total Heat Exchanger Performance
- PURATE™ Technology

- Water Safety Solutions
- Microbiological Testing
- Cooling Performance Test

- 3D TRASAR Technology for Boilers
- Ion Exchange and Membrane Services
- 3D TRASAR Technology for Membranes
- Nalco Water Corrosion Scale Monitor (NC5M)
The standard of innovation

Nalco Water’s unmatched service is paired with innovative products designed to deliver exceptional plant performance. As part of our holistic approach, expert service specialists will help you choose the solution best suited to protect your assets, extend turnaround time and reduce variability with your systems.

PURATE™ CHLORINE DIOXIDE SYSTEM

**INNOVATIVE CHEMISTRY**
unique stabilized solution of sodium chlorate and hydrogen peroxide

**UNIQUE DESIGN**
high efficiency generator is a two-chemical feed system that can be easily piped at application point

**COST EFFECTIVE**
effective treatment program in wide range of pH and various constituents in system

**ENGINEERED FOR RELIABLE AND EFFICIENT OPERATION**
>95% generation efficiency with design safety interlocks

**REDUCED CORROSION POTENTIAL**
Does not contribute potentially corrosive chlorides like traditional halogen treatments

OMNI™ TOTAL HEAT EXCHANGER PERFORMANCE MONITORING

**ADVANCED MONITORING AND PREDICTABILITY FOR RELIABILITY AND PROFITABILITY**
A first-of-its-kind program guaranteed to maximize operational efficiency and improve your business outcomes – sustainably

**PREDICT**
Performance is predicted by using cloud analytics in partnership with Microsoft

**PREVENT**
Generate performance insights that allow our customers to prevent unscheduled downtime and informed decisions

**PROLONG**
Extend asset life and runtime by enhancing the ability to take action with data insights