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

Solutions for Air Separation and Hydrogen Gas Operations

NAOLCO Water
An Ecolab Company
NALCO WATER  
**DEFINING INDUSTRY STANDARDS OF OPERATIONS**

Digitally standardize information gathering to quickly unveil actionable insights
Enable enterprise views across multiple sites
Focus on reliability of critical assets - main air compressors, heat exchangers and boilers
Help exceed sustainability goals such as water and energy savings
Deliver consistent service and exponential value across all plant operation types

DIGITAL SOLUTIONS  
**TAKING DATA TO ACTION WITH CRITICAL ASSETS**

Capture critical inputs and outputs to identify troubleshooting actions
Calculate return on investment on capital and operating budgets
Roll-up site-level data for enterprise dashboard
Avoid downtime with proactive monitoring and control

PRE & POST TREATMENT  
**TROUBLESHOOTING AT THE SOURCE AND OUTFALL**

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

COOLING TOWER  
**ENSURE OPERATIONAL EXCELLENCE**

Meet regulatory compliance
Ensure enhanced cooling tower performance
Reduce maintenance costs

STEAM  
**MAINTAIN RELIABILITY**

Recover process condensate
Minimize water footprint
Optimize energy balance
Monetize steam export

RECOMMENDED PRODUCTS AND SERVICES

- **OMNI™ Powered by ECOLAB 3D**
- **3D TRASAR™ Technology for Cooling Water**
- **High Performance Cooling Water Chemistry**
- **Cooling Water Dashboard**
- **PURATE™ Technology for Microbial Control**
- **Water Safety Solutions**

- **3D TRASAR™ Technology for Boilers**
- **Ion Exchange and Membrane Services**
- **3D TRASAR™ Technology for Membranes**
- **Nalco Water Corrosion Scale Monitor (NCSM)**

- **PARETO™ Mixing Technology**
- **Raw Water Biocontrol**
- **Ion Exchange and Membrane Services**

WATER MANAGEMENT

- One Global Service Model
- Create and Maintain Value Process
- ECOLAB 3D Digital Dashboard and Alarms
- Customized Water Treatment Plans

RECOMMENDED PRODUCTS AND SERVICES

- **3D TRASAR™ Technology for Cooling Water**
- **High Performance Cooling Water Chemistry**
- **Cooling Water Dashboard**
- **PURATE™ Technology for Microbial Control**
- **Water Safety Solutions**

- **PARETO™ Mixing Technology**
- **Raw Water Biocontrol**
- **Ion Exchange and Membrane Services**

- **OMNI™ Powered by ECOLAB 3D**
The standard of reliability

Nalco Water’s unmatched service is paired with innovative products designed to deliver exceptional plant reliability. As part of our holistic approach, expert service specialists will help you choose the solution best suited to protect your most critical 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

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

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

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

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

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

Experience PURATE in Virtual Reality at www.ecolab.com/purate

### OMNI™ Powered by ECOLAB 3D

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

- Provides enterprise and plant visibility of overall operational health
- Communicates notifications and actionable insights
- Identifies and quantifies most critical key performance indicators

Nalco Water, an Ecolab Company

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