

» PEACE OF MIND

Reducing risk in your  
building water systems

**NALCO** Water  
An Ecolab Company



# SUPPLEMENTAL DISINFECTION

TAKING  
CONTROL OF  
**WATER  
SAFETY**



# PROTECT YOUR WATER PROTECT YOUR PATIENTS



When it comes to patient safety, the quality of your water is a top concern – and relying on the municipal water treatment process is not enough.

Complex building systems, water stagnation issues and inadequate disinfection practices are all factors that make waterborne pathogens difficult to control.

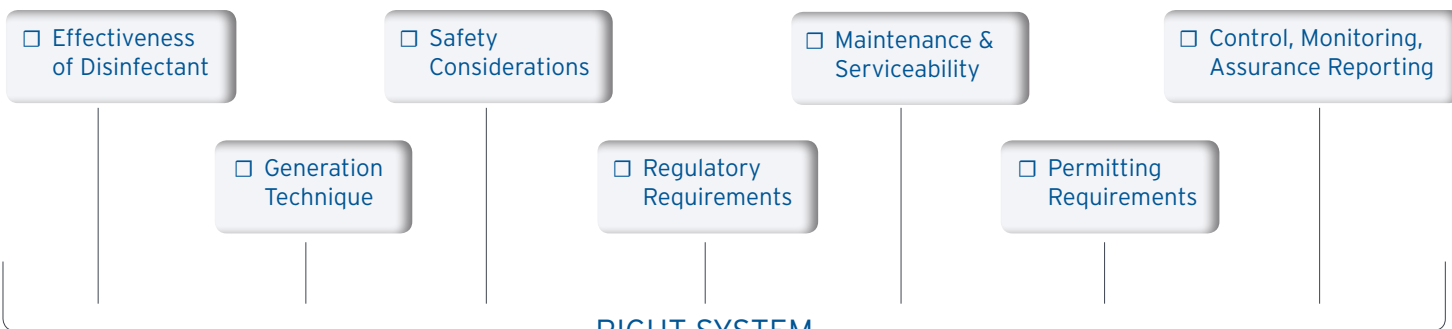
A 200-bed hospital could easily use **100,000 gal/day**

**42-50% HAIs**  
*Pseudomonas* infections linked to building water systems

## CHOOSING THE OPTIMAL SOLUTION

When you partner with Nalco Water, we work with you to develop the **most effective solution for your system.**

Your Water Safety Specialist will **analyze your site's unique needs**, taking into consideration:



# MONITORING, CONTROL & COMPLIANCE

Nalco Water's industry-leading technology is designed to keep your water supply – and your patients, employees and guests – safe. Our dedicated System Assurance Center is a team of degreed engineers who respond to alarms and troubleshoot your system(s) to ensure compliance.

- **NSF/ANSI Certified**, UL/CSA listed, NEC/NFPA compliant
- **LegionGuard™** is EPA-approved to reduce the risk of *Legionella*
- **State-of-the-art** feed & control system
- **Continuous monitoring** & data logging of disinfectant residuals and building analytics in your domestic water system
- **24/7** remote monitoring & management
- **Installation & service** provided by your Nalco Water Certified Service team



Nalco Water's System Assurance Center

## A VARIETY OF SYSTEMS TO MEET YOUR NEEDS

### eCHLORINE: ELECTROLYTIC CHLORINE GENERATION

- Ideal for **Hot Water** systems
- 3D TRASAR™ Control and 24/7/365 monitoring/alarming
- **No chlorite** concerns (an EPA regulated byproduct)
- USEPA Establishment No. 091882-IL-001
- NSF Certified, UL/CSA listed, NEC/NFPA compliant
- 2.0 lbs/day of **0.6%** (vs 12.5%) chlorine
- Safe, stable, non-hazardous precursor (salt)
- Direct measure of chlorine residual



### ENVIROX™: ELECTROLYTIC CHLORINE DIOXIDE GENERATION

- Ideal for **Cold Water** systems
- 3D TRASAR Control and 24/7/365 monitoring/alarming
- Excellent biofilm penetration and biofilm oxidation
- Single precursor system using no acid
- EPA-approved to reduce the risk of *Legionella*
- Up to 5.5 lbs/day of ClO<sub>2</sub>
- Built-in softener to handle all water qualities
- Direct measure of chlorine dioxide residual
- USEPA Establishment No. 1706-PA-002



### LIQUID CHLORINE

- 3D TRASAR Control and 24/7/365 monitoring/alarming
- **12.5%** solution of chlorine\*
- Simple, low cost program
- Direct measure of chlorine residual

\* Liquid chlorine degrades via time and temperature resulting in increased feed rate and corrosion potential



# NALCO WATER'S MARKET-LEADING WATER SAFETY APPROACH



## LEADERSHIP IN WATER SAFETY

For more than 25 years, Nalco Water has been the global leader in Water Safety. We've partnered with building owners, facility managers, environmental risk managers and infection prevention specialists to develop more than 10,000 Water Safety Management programs, each customized for specific operations.

Nalco Water is the only company that uses in-house, certified professionals to deliver all of the components of a water safety program, including remediation services. Backed by unparalleled technical resources, we've provided scientific expertise and experience to governments, regulatory bodies and industry associations around the world.

### RISK MANAGEMENT

- Water Safety Plans
- Data Analytics
  - Web-Based Data Management & Exception Reporting
- AQUAPATH Sensing
  - Online 24/7 Water Quality Monitoring
- Consulting & Support
  - Plan Design, Implementation & Training
  - Verification & Validation

### LONG-TERM CONTROL STRATEGIES

- NSF-Certified Supplemental Disinfection
  - First EPA-Approved Chlorine Dioxide, on-site generation, to reduce risk of *Legionella* by 99.99%
  - eChlorine electrolytic chlorine generation systems
  - Envirox: electrolytic chlorine dioxide generation systems
  - Liquid Chlorine Feed & Control Systems
  - EPA Regulatory Guidance per SDWA
- Point-of-Use Water Filters
  - A Barrier for Waterborne Pathogens
  - Validated Up to 31-Days or 62-Days per ASTM F838-05 for 0.2 µm Sterilizing Grade Filters

### SHORT-TERM REMEDATION

- Remedial Cleaning & Disinfection Services
  - Cooling Tower Water Systems
  - Potable Water Storage Systems
  - Potable Water Distribution Systems
  - Decorative Water Features & Fountains
  - Fire Suppression Storage Tanks
- Emergency Remediation Services
  - Hyperchlorination Protocols

### PATHOGEN ANALYTICAL

- *Legionella* Culture Testing per ISO11731
- Certified CDC-ELITE Proficient for *Legionella*
- Interpretation & Consulting
- Testing Plans for Program Confirmation
- Other Waterborne Pathogen Testing
  - *Pseudomonas aeruginosa*
  - *Acinetobacter spp.*
  - Mycobacterium

*Expertise and solutions that make the world cleaner, safer and healthier*

Nalco Water, an Ecolab Company

North America: 1601 West Diehl Road • Naperville, Illinois 60563 • USA

Europe: Richtstrasse 7 • 8304 Wallisellen • Switzerland

Asia Pacific: 2 International Business Park • #02-20 The Strategy Tower 2 • Singapore 609930

Greater China: 18G • Lane 168 • Da Du He Road • Shanghai China • 200062

Latin America: Av. Francisco Matarazzo • n° 1350 • Sao Paulo – SP Brazil • CEP: 05001-100

Middle East and Africa: Street 1010, Near Container Terminal 3, Jebel Ali Free Zone, PO BOX 262015, Dubai UAE

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