

iChlor™ Monochloramine System

Take control of your water safety program with the iChlor Monochloramine System.

Purposefully designed for complex buildings, iChlor supports a consistent approach to water quality management to promote protection from waterborne contaminants*

*Such as *Legionella*, when used as part of a regulatory-compliant water management program



How the iChlor System Delivers Confidence Across Your Water System



Precision You Can Trust

- Designed to promote consistent monochloramine levels evenly throughout complex plumbing systems
- ALS global certified to NSF/ANSI/CAN 61 & 372 for potable water system compliance



Reduced Operational Load

- Nalco Water owned, operated and maintained
- Turnkey operation with built-in safeguards and automatic shutdowns to ease day-to-day operational burdens



Infrastructure Compatibility

- Relevant for systems where corrosion behavior is a key design factor¹
- Designed for compatibility with common plastic and polymer system components¹



Cold-Water Advantage

- Point-of-entry dosing enables system-wide coverage
- Treat cold water once to help protect both cold and hot systems
- Thermally stable residual supports performance throughout the building



Digital Performance Visibility and Control

- Platform enabled performance insights including alarms and trending through 3D TRASAR™ Technology and the secure, cloud-based ECOLAB3D™ digital platform



Monochloramine Distal Reach and Organic Build-up Penetration

- A consistent dosing residual is critical for supplemental disinfection effectiveness, including distal outlets²
- Monochloramine provides a more stable and persistent residual than chlorine or chlorine dioxide⁵
- Penetrates organic build-up 170x faster than free chlorine³



Engineered for Facilities, Aligned With Infection Prevention

- Continuous preventive approach for assurance beyond periodic confirmation
- Transparent program that supports documentation and verification over time

System Control and Operational Confidence

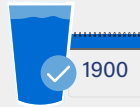
The iChlor system streamlines residual control across complex water systems through dosing, automation and digital visibility

- ✧ Point-of-entry dosing designed to establish an early residual and support stability as water moves through complex plumbing
- ✧ Digitally enabled performance visibility, including alarms and trending through 3D TRASAR™ Technology powered by the secure, cloud-based ECOLAB3D™ platform
- ✧ Industry-leading control logic and safeguards that help maintain target residuals without constant manual adjustment

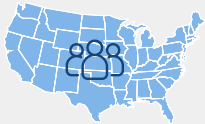
MONOCHLORAMINE: Established Use Across Water Systems



Used in **~30%**
of large U.S. water systems^{6, 7}



Treating drinking water⁴
since the **1900s**



Serves more than
1 in 3 Americans^{6, 7}



Documented in hospital
contaminant management^{2, 4, 8}

Serving Healthcare and a Range of Building and Institutional Environments



Hospitals



Long-term Care



Hospitality



Gaming



Commercial
Buildings



Universities

Science-Backed. Precision Dosing. Clear System Visibility.

The iChlor system brings together Nalco Water's deep water safety expertise with a turnkey, low-touch system design to support the establishment of a stable residual across complex networks, helping teams move forward with confidence and lesser operational complexity.

1. The Water Research Foundation (1994). Chloramine effects on distribution system materials (Project 508). <https://www.waterrf.org/research/projects/chloramine-effects-distribution-system-materials>
2. Centers for Disease Control and Prevention (2024, February 14). About water disinfection with chlorine and chloramine. <https://www.cdc.gov/drinking-water/about/about-water-disinfection-with-chlorine-and-chloramine.html> [1](<https://www.epa.gov/sites/production/files/2015-10/documents/legionella-factsheet.pdf>)
3. Lee, W. H., Wahman, D. G., Bishop, P. L., & Pressman, J. G. "Free chlorine and monochloramine application to nitrifying biofilm: comparison of biofilm penetration, activity, and viability." Environmental Science & Technology (2011). The authors report that for equivalent chlorine concentrations, monochloramine initially penetrated biofilm 170 times faster than free chlorine.
4. Chloramines in Drinking Water | US EPA, The Role and Behavior of Chloramines in Drinking Water
5. CDC Affiliated, Peer Reviewed Hospital Study (City Wide Exposure) Risk of Hospital Acquired Legionnaires' Disease in Cities Using Monochloramine Versus Other Water Disinfectants Authors: Heffelfinger et al. Journal: Infection Control & Hospital Epidemiology Year: 2003 Peer reviewed | CDC associated Article record: https://thslc-houston.primo.exlibrisgroup.com/discovery/fulldisplay/cdi_proquest_journals_235224536/01TEXASHEALTH_HOUSTON:TMC_INST_savvy citizenapp.com
6. What's In My Water | Monochloramines (Article: <https://drinktap.org/Water-Info/Whats-in-My-Water/Monochloramines>)
7. Water Quality Association | Chloramine Fact Sheet (<https://wqa.org/resources/chloramine/>)
8. CDC – Peer-Reviewed, Public Health Journal Reducing *Legionella* Colonization of Water Systems with Monochloramine [Authors: Flannery et al.] Journal: Emerging Infectious Diseases Publisher: U.S. Centers for Disease Control and Prevention Year: 2006 Peer-reviewed | Federal | Open-access Direct CDC link: <https://stacks.cdc.gov/view/cdc/7903> [independent.co.uk]

ecolab.com/nalco-water

Ecolab, Nalco Water and the logos are Trademarks of Ecolab USA Inc.
©2026 Ecolab USA Inc. All Rights Reserved 05/26 B-1662

► **Learn More or Request a Consultation**

Email: watersafetyinquiry@ecolab.com