



**PSI On-Site Disinfection**  
A UGSI SOLUTIONS COMPANY

# MAKE DISINFECTANT RESIDUAL MANAGEMENT BORING AGAIN

**MONOCLOR™**  
CHLORAMINE MANAGEMENT  
SYSTEMS

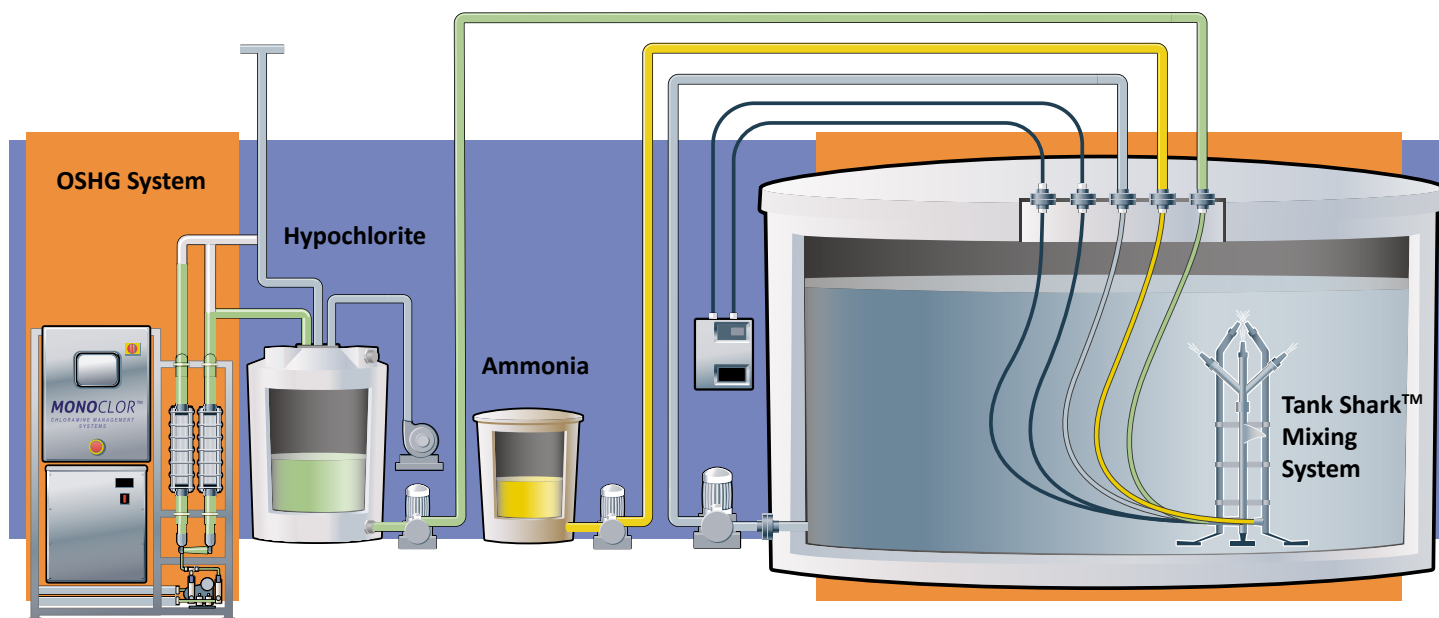
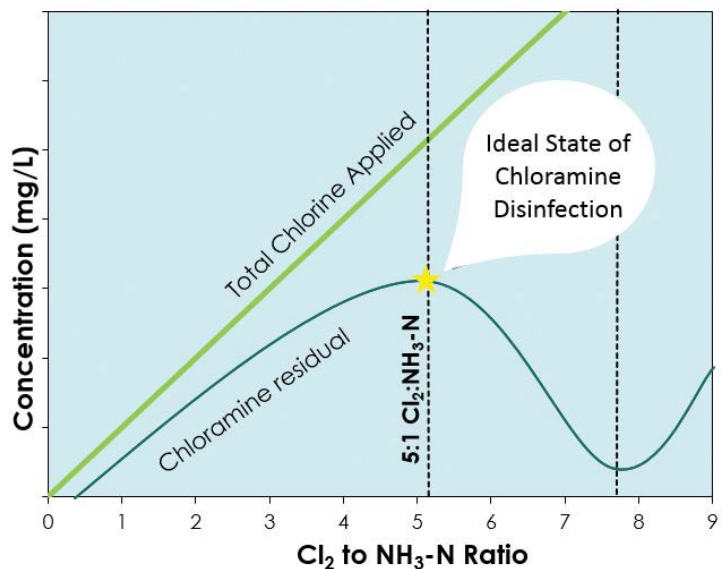
# Monoclor™ Chloramine Management System

*The Monoclor™ system automatically integrates four discrete activities to maintain disinfectant residual set points:*

- Achieves and maintains tank equilibrium through efficient mixing using the Tank Shark™ mixing system
- Accurately doses ammonia and/or chlorine to reach the desired monochloramine set point
- Generates a high energy mixing zone that ensures effective reaction kinetics between the dosed chlorine and ammonia
- Monitors tank equilibrium in real time to ensure high quality response to changing tank conditions

## Benefits:

- Stable Disinfectant Residual
- Real Time Sampling and Analysis
- Quick Reaction to Imported Water Upsets
- Eliminates Tank Flushing
- Eliminates Nitrification Events
- No Power, Pumps or Moving Parts within the Reservoir
- Easy Installation
- Handles Liquid or Gas Chlorine Feed
- Achieves DBP Reduction



# Easy Installation And Start-Up

**SIMPLE HATCH INSTALLATION**



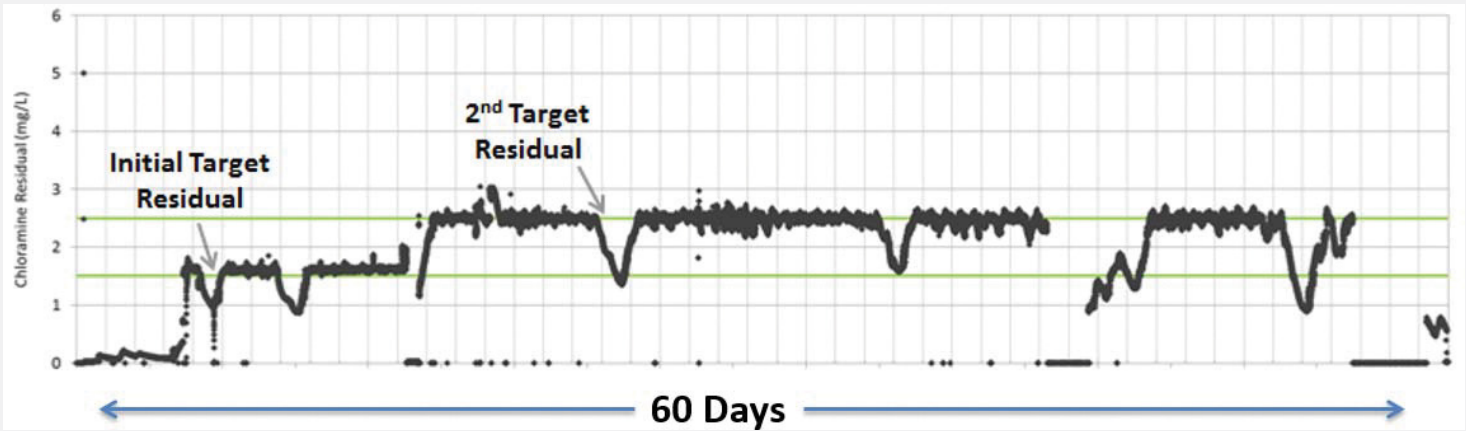
**SELF CONTAINED AND MODULAR SYSTEM**



"I wasn't convinced that the PSI Monoclor™ dosing system would solve our problems after several failed attempts to improve residual, but with PSI offering a trial including installation, operation, and troubleshooting for three months, I had nothing to lose. The system achieved the target residual onsite on the first day, and after making some operational changes to our system, we were able to keep stable disinfectant residuals in the downstream zone as well. PSI was fast, efficient, and responsive, and we are currently in design to install several more of their products across our distribution system."

**Water Quality Engineer - San Jose Water Company**

## One Million Gallon Tank

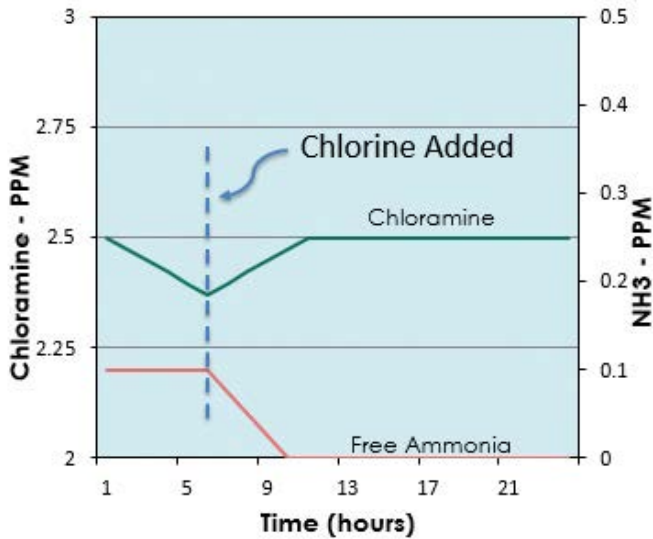


*Chloramine Residual Set and Maintained at Two Separate Levels Despite Induced Upset Conditions Due to Large Volumes of Imported Water*

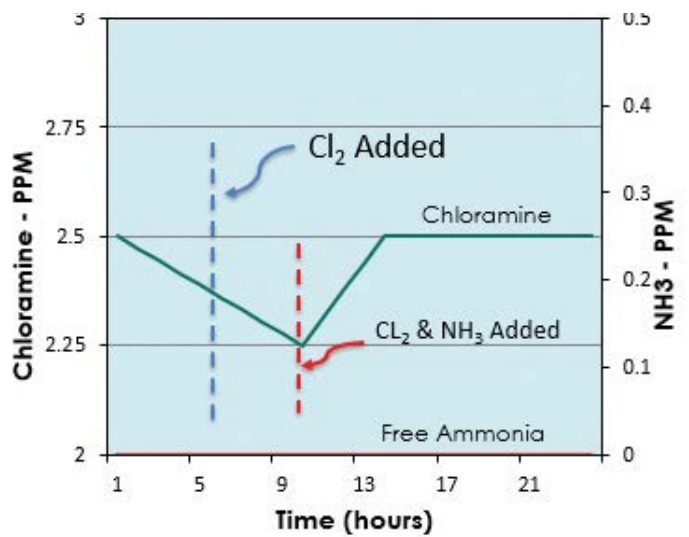
### Achieve and Maintain Tank Equilibrium

The Monoclor™ system utilizes the Tank Shark™ mixer to generate a significant upward flow of water which rapidly mixes the entire tank volume. The Monoclor™ system then determines the appropriate chemical dosing strategy based on the ammonia levels in the reservoir. By dosing only the right chemical at the right time into a completely mixed tank, the Monoclor™ system quickly reaches and maintains the desired residual set-point.

#### Free Ammonia Present



#### No Free Ammonia Present



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