# AquaGuard MC™

## Monochloramine Onsite Generation System

**Technical Datasheet**


## CONTINUOUS SECONDARY DISINFECTION FOR SAFER HEALTHCARE WATER SYSTEMS

AquaGuard MC™ system helps healthcare facilities maintain a stable monochloramine residual throughout complex building water systems, reducing Legionella risk, supporting Water Management Programs, and improving operational confidence. The system generates monochloramine onsite using intelligent PLC control, precision chemical feed, and continuous monitoring.

### TYPICAL APPLICATIONS

- Hospitals
- Surgery Centers
- Medical Office Buildings
- Long-Term Care Facilities
- Dialysis Centers
- Behavioral Health Facilities

### KEY FEATURES

**Intelligent PLC Control**
Automatically adjusts dosing for changing incoming water quality..

**Precision Chemical Feed**
3000:1 stepper pump turndown ratio for consistent dosing.

**Safer Chemical Handling**
Enclosed drumless feed system minimizes operator exposure.

**Remote Connectivity**
24/7 secure monitoring, alarms, and remote configuration.

**Continuous Monitoring**
Online monochloramine, chlorine, and ammonia monitoring.

**Certified Components & Parts**
NSF/ANSI 61 certified components and EPA approved Online Monochloramine, Total & Free Chlorine sensors

### STANDARD EQUIPMENT

- PLC Control Panel
- 7" Color HMI Touchscreen
- Precision Chemical Feed Pumps
- Flow Meter
- Online Monochloramine Analyzer
- Online Free Chlorine Analyzer
- Online Ammonia Analyzer
- Leak Detection System
- Remote Connectivity

NSF · UL · NEMA 4X

# AquaGuard MC™ Monochloramine Onsite Generation

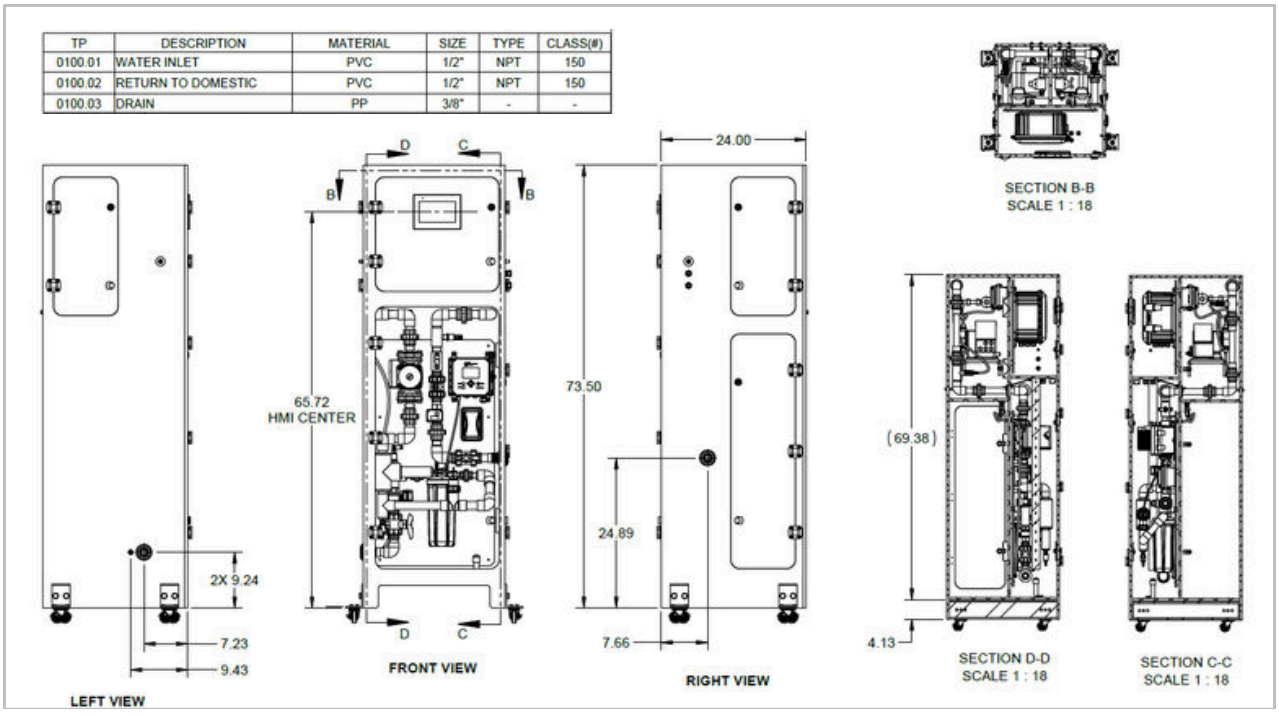
## TECHNICAL SPECIFICATIONS

| Parameter | Specification |
|---|---|
| **Weight** | 125 lbs |
| **Dimensions** | 4' (L) × 2' (W) × 4' (H) |
| **Power** | 120 V, 15 A, 60 Hz, Single Phase |
| **Supply Flow** | 3–7 GPM |
| **Drain Flow** | 0.2–0.5 GPM |
| **Treated Flow** | 3–375 GPM |
| **Water Temperature** | < 100°F |
| **Pressure** | < 120 PSI |
| **pH Range** | 6.5–9.5 |
| **Production Capacity** | 4.0 ppm |
| **Remote Access** | 24/7 monitoring and remote configuration |
| **Safety Features** | Automatic shutdown on alarm, leak detection, password-protected control panel, NSF/ANSI 61 compliant components |

## SYSTEM ADVANTAGES

- Maintains a stable monochloramine residual throughout large and complex building water systems
- Improves biofilm penetration and Legionella control
- Reduces formation of trihalomethanes (THMs) and haloacetic acids (HAAs)
- Verifies treatment with online monochloramine, free chlorine, and total chlorine monitoring
- Eliminates continuous analyzer water discharge to conserve water
- Enables more frequent and consistent monochloramine treatment within EPA operating limits
- Simplifies chemical handling with enclosed feed system & dedicated precursor pumps
- Strengthens compliance through 24/7 monitoring, digital documentation, expert oversight, and laboratory verification

## DIMENSIONS





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