

Sterile Processing Program for Medical Devices

From cleaning to sterilization, water is critical to medical device processing. Water impurities reduce cleaning effectiveness, pose a potential health risk for surgical site infections (SSIs), and shorten the useful life of the devices. The Association for the Advancement of Medical Instrumentation (AAMI) is the primary source of standards and guidance for water quality.

A new AAMI standard is here, designed to help protect patients and instruments

ANSI/AAMI ST108:2023 - WATER FOR THE PROCESSING OF MEDICAL DEVICES

- Replaces AAMI TIR34:2014/(R) 2021 Standard focused on minimum water quality requirements for processing medical devices
- Sets different categories for water used in sterile processing: utility water, critical water and steam
- Details when and where to use water in each category
- Provides information on how to maintain required water quality
- Sets performance criteria for a water treatment/delivery system and monitoring program

Improper water quality in instrument reprocessing can:

- Shorten the life of instrumentation
- Decrease decontamination effectiveness
- Be a potential source of infection via waterborne pathogens



Introducing Nalco Water's Program for Sterile Processing

Nalco Water offers a comprehensive water management approach to support increased processing, HAI risk management and compliance with AAMI ST108. The program runs on our ECOLAB3D™ digital platform, providing clear visibility and deep insights regarding your water used in instrument reprocessing to enable proactive risk management.

PROGRAM COMPONENTS



Water Management Program for Sterile Processing

- Documented risk assessment
- Defined verification and validation steps
- Embodies seven principles of ASHRAE Standard 188



Analytical Testing

- Follows sampling protocol of water management plan
- Water chemistry: pH, conductivity, hardness, ions, metals & TOC
- Microbio: HPC and endotoxin



Water Purification Equipment & Services

- Meet AAMI ST108 water quality specifications
- Preventative maintenance and 24/7/365 support
- Consultation and service of existing equipment

PROGRAM BENEFITS



Supports compliance with the new standard



Helps manage risk & financial impact of HAIs



Supports optimized operational efficiencies



Helps improve cleaning results

Working with Experts Delivers Peace of Mind

With complete water management solutions that span the continuum of testing, cleaning and disinfecting, inspection and certification, our expertise, solutions and service help ensure the safe operation of your building management systems — making the world cleaner, safer and healthier.

For more information, please contact WaterSafetyInquiry@ecolab.com