

CRITICAL CARE HOSPITAL

Legionella Control Success Story



PROJECT BACKGROUND

- Critical care hospital in Utah
- Legionella counts documented over 6,000 CFU/mL
- Previous legionella management plan included:
 - Heating water above 140° for > 30 minutes
 - Lengthy system flushes

FLOW-TECH APPLIED SOLUTION

Implemented 3" & 8" Flow-Tech units into domestic system

Results

- Removed existing biofilm and reduced legionella counts to below 10 CFU/mL detectable threshold
- Reduced legionella counts by >99.95% compared to no treatment and 98.5% compared to high heat treatment
- Simplified treatment protocol and reduced scalding risks, downtime, and labor



10 / 11 / 2018	Legionella	Total Coliforms	E. Coli
OBS 8	2.00 CFU/mL	<1.00 MPN/100mL	<1.00 MPN/100mL
Room 211	3.28 CFU/mL	<1.00 MPN/100mL	<1.00 MPN/100mL

*Data from tests performed by Utah Department of Health

CASE STUDY



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Legionella Control Success Story



- **Decrease risk** of contamination and other health hazards
- **Decrease risk** with less hazardous chemical treatment and handling
- **Boost efficiencies** with higher performing water quality that eliminates downtime
- **Protect your investment** by ensuring a properly-maintained water system

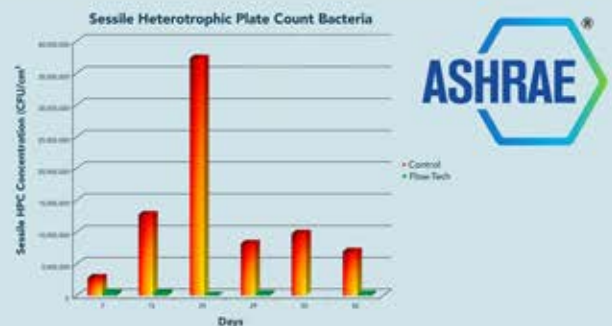


BIOLOGICAL CONTROL SOLUTIONS

Our team at Flow-Tech surveys each and every application and facility to identify the most effective treatment solution, with the goal of minimizing risk, reducing the water footprint and cutting operating expense.

Flow-Tech Proven Biological Control

To date, Flow-Tech is the only chemical-free system to have passed the ASHRAE protocol for controlling sessile bacteria, or biofilm. Flow-Tech achieved over a 98% reduction in biofilm against the control. No other system showed the ability to control microbial growth rates.



CASE STUDY