



● HOSPITAL

Hospital Ice Maker Scale and Biofilm Control **Central Kentucky, USA**

A 90-day *HydroFLOW*® HS38 evaluation progressively removed scale and biofilm from an ICU ice maker, easing maintenance and reducing the risk of contaminated ice reaching staff and patients.



Scale & Biofilm



Maintenance Issues



Contamination Risk

<1 year

Projected Payback



BEFORE & AFTER

● BEFORE

- Scale accumulated across the ice-making tray
- Scale and biofilm were visible inside the chute
- Regular maintenance was more difficult

● AFTER

- ✓ Existing scale and biofilm progressively removed
- ✓ Tray and chute remained visibly cleaner
- ✓ Routine maintenance became easier



BEFORE

Scale accumulation on ice tray before treatment



AFTER

Ice tray visibly cleaner after 90-day

OVERVIEW

A Central Kentucky hospital wanted to improve a Hoshizaki ice maker serving its intensive care unit. The machine regularly suffered from scale and biofilm, increasing maintenance demands and creating a risk of contaminated ice reaching staff and patients.

CHALLENGE

Recurring scale and biofilm affected the ICU ice maker, increasing maintenance and contamination risk.

- Hard scale accumulated across the ice-making tray
- Scale and biofilm were visible inside the chute
- Regular maintenance was difficult and time-consuming
- Potential contamination risk affected staff and patients

SOLUTION

A HydroFLOW® HS38, was installed on the cold-water supply feeding the Hoshizaki ice maker. The product evaluation ran for 90 days.

UNIT EVALUATED

HydroFLOW® HS38

INSTALLATION POINT

Cold-water supply to ice maker



INSTALLATION

HS38 on the ice-maker cold-water supply

RESULTS

Scale & Biofilm Removed

Existing scale and biofilm were progressively removed during the 90-day evaluation.

Maintenance Made Easier

Hard-scale maintenance issues were reduced and routine maintenance became easier.

Contamination Risk Reduced

Treatment reduced the risk of contaminated ice and disease outbreaks such as Legionella.

Projected Payback Under 1 Year

Reduced maintenance produced a projected return on investment of under one year.

TESTIMONIAL

"It certainly reduces maintenance issues due to hard scale and makes regular maintenance much easier."

— Director of Facilities, Central Kentucky hospital

KEY TAKEAWAY**Summary**

HydroFLOW® progressively removed existing scale and biofilm from the ICU ice maker, making routine maintenance easier and reducing contamination and Legionella outbreak risk. The evaluation projected payback in under one year.



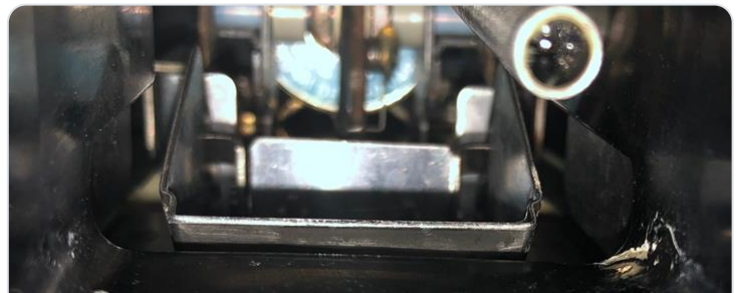
SCALE & BIOFILM



CONTAMINATION RISK

<1 year

PROJECTED PAYBACK

**ADDITIONAL PHOTO EVIDENCE****BEFORE***Ice chute with visible scale and biofilm growth***AFTER***Ice chute visibly cleaner after the 90-day evaluation***BEFORE***Heavy deposits across the internal ice-making surface***AFTER***Internal surface visibly cleaner after 90 days***HYDROPATH**

The Forefront of Sustainable Water Treatment

**Need cleaner, easier-to-maintain ice-making equipment?**

Ask HydroPath about scale and biofilm control for healthcare equipment.

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