



HOTEL INDUSTRY

Hotel Dishwasher Limescale Treatment **Honolulu, Hawaii**

Hydropath treatment produced a noticeable reduction in dishwasher limescale within 60 days and reduced visible water spotting on dishes and glassware.

60 days

Noticeable Scale Reduction



Water Spot Reduction



Dishwasher Performance



Heat Exchanger Efficiency

BEFORE & AFTER

BEFORE

- Scale accumulated inside the dishwasher
- Visible deposits affected internal surfaces
- Water spots affected dishes and glassware

AFTER

- ✓ Noticeable scale reduction within 60 days
- ✓ Dishwasher performance was reported to improve
- ✓ Water spotting was significantly reduced



BEFORE

Visible limescale before treatment



AFTER

Reduced limescale after six month

OVERVIEW

Hilton Prince Kuhio Waikiki in Honolulu wanted to reduce limescale build-up inside a commercial dishwasher. A *HydroFLOW*® S38 was installed, with inspections over approximately six months assessing changes in scale across internal surfaces and the effect on dishwasher performance and water spotting.

CHALLENGE

Limescale built up inside the hotel dishwasher, affecting surfaces, heat transfer and washed items.

- Scale accumulated across internal surfaces
- Build-up could reduce heat-transfer efficiency
- Water spotting affected dishes, particularly glassware

SOLUTION

One *HydroFLOW*® S38 was fitted to the 3/4-inch galvanised pump line between the filter heater and dishwasher. Follow-up inspections tracked changes in visible limescale.

UNIT INSTALLED

1x *HydroFLOW*® S38

PIPE SIZE AND MATERIAL

3/4-inch galvanised pipe

INSTALLATION POINT

Pump line between filter heater and dishwasher

MONITORING PERIOD

Approximately six months



INSTALLATION

S38 on dishwasher pump line

RESULTS

Noticeable Reduction in 60 Days

Noticeable limescale reduction was recorded within 60 days

Less Scale Accumulation

Later inspections showed reduced visible limescale on monitored surfaces.

Significantly Fewer Water Spots

Water spotting on dishes and glassware was significantly reduced.

Improved Dishwasher Performance

The field conclusion reported improved dishwasher performance as scale reduced.

A *HydroFLOW*® S38 treated a hotel dishwasher in Honolulu. Noticeable limescale reduction was recorded within 60 days, with less scale build-up and significantly reduced water spotting.

HYDROPATH

The Forefront of Sustainable Water Treatment

HydroPath Technology is a world leader in sustainable water treatment solutions, providing chemical-free alternatives for industrial and commercial applications across more than 50 countries.

50+

COUNTRIES

30+

YEARS EXPERIENCE

1M+

UNITS INSTALLED

RELATED CASE STUDY

Hotel Cooling Tower Case Study

Oahu, Hawaii

A hotel on Oahu, Hawaii installed *HydroFLOW*® on its cooling tower system, achieving a 75% reduction in chemical usage and 50% reduction in blow-down water waste. The system delivered \$43,233 in annual savings with a one-year return on investment.

75% Chemical Cut

Significant reduction in chemical dosing for cooling tower treatment

50% Blow-down Cut

Halved water waste through reduced blow-down frequency

\$43K Annual Savings

Total yearly savings from reduced chemicals, water and maintenance