



● HOTEL INDUSTRY

Texas Hotel Hot Water Case Study **San Antonio, Texas**

HydroFLOW® i100 units improved hot-water flow across a 136-room hotel, drastically reducing low-flow alarms and cutting heater cleaning by 75%.

75%

Less Heater Cleaning

<1 Yr

Estimated ROI



Hot-Water Flow Problems

21 GPG

Extremely Hard Water Treated

**BEFORE & AFTER**

● BEFORE

- Very low water pressure
- Lack of hot water for guests
- Weekly low-flow alarms

● AFTER

- ✓ Flow rates improved drastically
- ✓ Heater cleaning reduced by 75%
- ✓ Low-flow alarms became very rare

**BEFORE***Strainer heavily blocked by scale***AFTER***Clean strainer during maintenance*

OVERVIEW

A four-storey, 136-room hotel in San Antonio faced severe scale problems from extremely hard water measured at 357 PPM, or 21 GPG. Scale restricted strainers, showerheads and faucet aerators, reducing hot-water flow and availability. The impact on guests became serious enough that the hotel provided room discounts and, in some cases, full refunds.

CHALLENGE

Severe hard-water scale caused low pressure, hot water issues and guest service problems.

- Extremely hard water measured 357 PPM, or 21 GPG
- Scale restricted strainers, showerheads and aerators
- Guests experienced low pressure and lack of hot water
- Service issues resulted in discounts and refunds

SOLUTION

Two *HydroFLOW*® i100 units were installed on the main water lines feeding the hotel's tankless water heaters.

UNITS INSTALLED

2x *HydroFLOW*® i100

INSTALLATION POINT

Main water lines to tankless heaters

WATER HARDNESS

357 PPM, or 21 GPG

INSTALL DATE

Beginning of 2022



INSTALLATION

HydroFLOW® units installed



PIPEWORK

Tankless water-heater system

RESULTS

Flow Rates Improved

Flow rates started to drastically improve one month after installation.

Alarms Became Rare

Low-flow alarms that sounded weekly are now very rarely heard.

75% Less Cleaning

Tankless water heater cleaning is 75% less frequent and much easier.

Harsh Chemicals Eliminated

Harsh chemicals are no longer required for heater cleaning.

Minimal Fixture Debris

Previously clogged showerheads and aerators now have minimal debris.

ROI Under One Year

Estimated return on investment was well under one year after 12 months.

KEY TAKEAWAY**Summary**

A 136-room San Antonio hotel faced poor hot-water flow, guest complaints and refunds due to extremely hard water and scale-blocked fixtures. After 2x *HydroFLOW®* i100 units were installed, flow improved, low-flow alarms became rare, heater cleaning fell by 75%, harsh chemicals were no longer required and estimated ROI was under one year.

75%

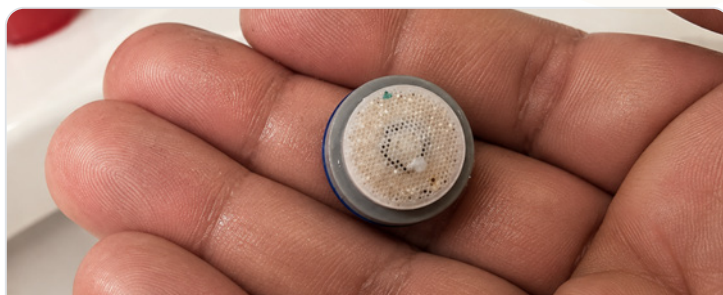
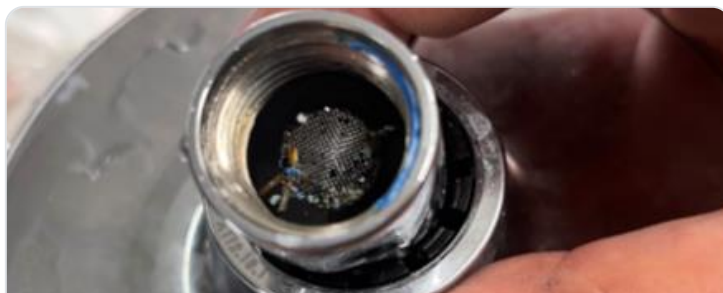
LESS CLEANING

<1 Yr

ESTIMATED ROI



HOT-WATER FLOW PROBLEMS

**ADDITIONAL PHOTO EVIDENCE****BEFORE***Faucet aerator blocked by scale***AFTER***Minimal debris in faucet aerator***BEFORE***Scale chunks blocking showerhead***AFTER***Minimal debris remaining in showerhead***HYDROPATH**

The Forefront of Sustainable Water Treatment

HYDROPATH **Ready to improve hotel hot water performance?**

Contact HydroPath to discuss scale treatment for hospitality hot water systems.

✉ sales@hydropath.com ☎ +44 (0)115 986 9966 🌐 hydropath.com

✓ ISO 14001:2015

✓ ISO 9001:2015

✓ GREENPRO

✓ SOLAR IMPULSE