

Bel Aire Heat Exchanger



Location: *Waikiki, Oahu, Hawaii - USA*

Application: *Hot Water heat exchanger*

Purpose of Installation:

The main concern is to reduce limescale build up in one of the heat exchangers

Installation date: *July 22, 2010*

Unit installed: *S38*

Pipe Diameter: *(OD): 3/4"*

Pipe Material: *Cooper*

Installation location: *Water line before the heat exchangers.*

Mechanical room where hot water tanks and heat exchangers are located



S38

Overview:

History:

1. **General:** HydroFlow unit S38 was installed in building
2. **The Problem:** one of the heat exchangers has a heat pressure of 135 to 140 psi and the other one was normal with 100 psi. Chemical wash was performed and the heat pressure did no change.
3. **The Recommended Solution:** Installed S38 water conditioner after the heat exchanger
4. **Results:** Limescale was gradually removed from the heat exchanges, in 3 months heat exchanger was working with a heat pressure of 100 psi (normal).
5. **Estimated Return on Investment due to maintenance cost savings:** less that 12 months.