



## Holiday Inn Express Case Study

**Customer:** Holiday Inn Express

**Category:** Commercial: Hotels

**Application:** Whole building protection with Scaleton



US Case Study



Scale in 3" Copper  
Feed Pipe



Scale in Washing Machine Filter



2" Scaleton

**The Challenge:** This Holiday Inn Express, a 4 year old 73 room facility, was put into operation with no water treatment in place. When scale built up and fouled the mixing valve in the utility room, the facility was shut down completely with no water supply. A service contractor was called in. During the service and replacement of the mixing valve, scale broke loose and traveled throughout the hotel, blocking faucets and fixtures and causing a major maintenance headache. Customer satisfaction also suffered due to the unpredictable interruption of water supply. Extra clean-outs were added in an effort to flush out chunks of scale and a sediment filter was installed ahead of the washing machines to protect them from scale (see above).

There was absolutely no room for a conventional softener and softening technology of that type could not reverse this difficult scaling situation.

**The Solution:** Fluid Dynamics was called in and specified two units to treat the entire facility. A 2 inch Scaleton was installed on the incoming main water line and a 1 1/4 inch Scaleton was added on the return/re-circulation loop on the hot water side. The proper sizing and location makes sure the water stays 100% treated at all times.

**Results:** Scale is no longer building up and threatening the business and client satisfaction. The new mixing valve remains free of scale. Existing scale build up in their lines is reversing and is expected to completely disappear within a few months of the busy spring and summer travel season. The client is currently preparing to install Scaletons at two more brand new hotels that are about to open in the St Louis area in the spring of 2014.

