CircuitSolver® A ThermOmegaTech® product

Project Case Study

Berks Center for Digestive Health

1011 Reed Ave. Wyomissing, PA

Installation Site Overview

The Berks Center for Digestive Health is a full service gastroenterology care center, housing offices for multiple practices and outpatient procedural rooms. The new tenant had the structure completely gutted and retrofitted for purposes of a medical facility.



The Opportunity

Quickly delivered hot water is a necessity in a medical facility. After a procedure or exam, doctors and physicians do not want to wait for water to get warm to be able to wash. Instant hot water is not only a comfort issue, but a sanitation one as well. Engineers were tasked with designing a completely new domestic hot water system that could deliver hot water rapidly and efficiently.

The Installation

Two centrally located“extra-high efficiency”water heaters and a ¼ HP circulation pump supply the three wings of the building with hot water. Circuit Solver is placed above the ceilings at the end of each branch, where the line returned to the main loop. More than 60 Circuit Solvers are installed to ensure efficient hot water delivery with minimal corrosion/ erosion of pipes. Circuit Solver was installed using a Propress or by sweating, where appropriate. From the preparation of fittings to end of installation, each valve took on average 2 minutes to put in place.

The Result

The system is efficiently delivering hot water to over 70 fixtures, of which include showers, sinks, safety showers and mop basins. Since there was no need for balancing the system, the final commissioning date was able to be pushed up.

To see how The Berks Center for Digestive Care retrofit Circuit Solver into their system, click here for a short video.