

GF Piping Systems

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# Hyclean Automation System Diagnosing balancing issues

HEAPY, Dayton, Ohio

Automated solution for  
building water systems

A hospital in Ohio evaluated its domestic hot water system to identify areas that were experiencing low return water temperatures and ensure the system was properly balanced.

## Solution

HEAPY, a nationally recognized engineering leader in healthcare, chose the Hycleen Automation System by GF Piping Systems for its ability to automatically balance the hot water return system and provide temperature monitoring at each valve, logging of critical data, and detailed reporting of system conditions. Replacement of the traditional balancing valves with 10 new Hycleen smart valves took place quickly and easily. Once installation of the system control panel was complete, the hospital chose to integrate Hycleen into the existing building management system giving them even greater flexibility to control and monitor their system.

## Results

The Hycleen system functions flawlessly providing real-time temperature monitoring and automatic flow adjustments based on custom system parameters. Any irregularities that occur, such as unusual temperature conditions or malfunctions, are reported directly to the facility team via the building management system. Thanks to the Hycleen Automation System's data logging and reporting features, the hospital now has easy access to critical information allowing them to confidently evaluate and respond to system conditions.

## Customer comments

"When considering options to tackle a recurring hot water issue, the Hycleen System came to mind because it gave us the flexibility to make adjustments and the real-time feedback would help identify the root cause of the issue. The system allows for an exceptional level of control and safety. We were pleased with the results and the overall system improvements, which allowed our client to make decisions based on real-time data and ensured any issues could be addressed immediately."

Jeremy M. Williams, PE, LEED AP BD+C  
Senior Mechanical Engineer  
HEAPY

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The Hycleen Automation System is easily integrated into a building management system.



Minimal system components and simple connections allow for quick installation with little to no service interruption.

## Main advantages for the customer

- **Optimized Drinking Water Hygiene**
- **Digital proof of the critical system parameters at the push of a button**
- **Convenient: Warm water is immediately available**
- **Better energy efficiency: minimized warm water preparation temperature, lower hot water requirements for thermal disinfection**
- **Uncomplicated installation and intuitive user interface**
- **Time savings during planning, installation, maintenance and operation**

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