Embrace the Technology®

CircuitSolver®

A ThermOmegaTech® brand

Project Case Study

Canyon's Edge Apartments

Reno, Nevada

The Opportunity

Luke Paschal, owner of Aquious, a family-owned plumbing business in Reno, Nevada, faced the challenge of balancing the domestic hot water recirculation system (DHWS) at the newly constructed Canyon's Edge Apartments.



This residential complex, consisting of two three-story buildings with a mix of one-, two-, and three-bedroom units, required a reliable and efficient solution to ensure consistent hot water delivery to all apartments.

The Installation

Aquious, known for its expertise in plumbing and tankless water heater services for residential and commercial properties, is led by Paschal, a third-generation plumber. Regarding this project, Paschal turned to his long-time friend and business associate, Matt Reilly of Zurier Company in Livermore, California, for advice. Reilly recommended using CircuitSolver® thermostatic balancing valves, a suggestion Paschal was eager to explore.

The Canyon's Edge Apartments complex has two buildings, each housing 24 units. To achieve optimal balance in the DHWS, Paschal installed eight ½" CircuitSolver® thermostatic balancing valves in each building.



The first phase of the apartment complex was completed in May 2024, and Paschal was immediately impressed by the ease of installation and the effectiveness of CircuitSolver® thermostatic balancing valves.

Paschal remarked that the installation process was incredibly straightforward.

"I turned on the hot water, waited a bit, and everything was automatically balanced. I walked away happy! I would tell [contractors] to install and walk away; no training or special equipment is needed."

The Results

Six months after the installation, the Canyon's Edge Apartments have been fully leased, and residents have not complained about hot water availability. The system has performed flawlessly, reinforcing Paschal's confidence in the CircuitSolver® solution.

Paschal noted that the CircuitSolver® valves eliminated the need for manual adjustments, which had been a challenge with previous projects.



"We have used manual valves before; typically, we would set each one to 1 gpm and let it run. However, in larger systems, we do have to go back and adjust them if it seems like the flow isn't proper or there are temperature variations," he explained. "It is not the most scientific way of doing it. With CircuitSolver®, we did not have to set flow rates – we could plug and play."

Paschal and his team at Aquious plan to continue using CircuitSolver® thermostatic balancing valves in future projects, and they are confident in their ability to provide reliable, dynamic balancing.

"We have bid on several multi-family and commercial properties using CircuitSolver®. It has become our go-to solution for balancing hot water recirculation systems," Paschal stated.

Have you specified or installed a CircuitSolver® thermostatic balancing valves in hospitals, stadiums, restaurants, dormitories, or other facilities?
If so, we could do a case study on your experiences.
Please contact us at https://circuitsolver.com/contact/.