

Cincinnati Schools Choose Easy Diagnostics & Repairs



Location:
Cincinnati, Ohio

Industry:
Education - Public Schools

Problem:
Corroded point-of-use valves with consistent cross flow

Solution:
Watts® LFUSG-CS Under Sink Guardian® with Cross Sense™ Indicators

Results:
Faster repairs, lower costs, improved safety, and easier troubleshooting.

What the Client Needed

Evanston Academy needed a reliable fix for corroded point-of-use valves to maintain performance and avoid scalding. Cincinnati Public Schools (CPS) manages 66 buildings, each containing 30–50 faucets, totaling more than 3,000 fixtures district-wide. According to Ohio plumbing code, every sink must be equipped with a point-of-use mixing valve to protect students from potential exposure to 140° water.

As Todd Hoffman, Plumbing Foreman for CPS, explained: “The ones we have in there are really non-cleanable... we end up either replacing them or removing them because of the check valves and everything else that fail.”

The maintenance burden was high, and replacements across thousands of units were costly. CPS needed a solution that could be maintained, not just swapped out.

Solution

To address these challenges, CPS turned to the LFUSG-CS, an advanced thermostatic mixing valve designed specifically for serviceability and field repair. The new valve contains fully serviceable internal components, a removable cartridge, and built-in indicators to identify cross flow issues.

Plumbers removed the old valves and installed the new system, completing each replacement in just 5–7 minutes thanks to simplified connections and braided supply lines.

According to Paul Lynch, CPS plumber: “With this product, we don’t have to take it out and replace it. We can take it out and repair it.”

During installation, the team encountered debris blocking hot-side flow. Using the new valve’s design, they simply shut it off, flushed the line, replaced the cartridge, and restored full performance in minutes — something impossible with the old valves.

Results

The LFUSG-CS Under Sink Guardian® has significantly improved maintenance operations, lowered long-term costs, and improved water safety across 66 Cincinnati Public School facilities.

Plumbers can now diagnose issues instantly, repair valves instead of replacing them, and restore a true preventative-maintenance approach across all school buildings.

Paul described the impact on troubleshooting: “We run into issues in these schools of getting hot on the cold side... With this, we can look underneath it and know right away.”



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*I don't want to be a
replace plumber, I want
to be a repair plumber”*

-Plumbing Foreman
Cincinnati Public Schools



Discover a Faster Way to Diagnose Cross Flow and Repair Mixing Valves

The LFUSG-CS Under Sink Guardian®
with Cross Sense™ Indicators

