

INSTA-VALVE 250 SUCCESS STORY

Hydra-Stop Insta-Valve 250 Works Under Pressure

Buchanan County, Virginia | Population: 21,788

SUMMARY

The Insta-Valve 250 provided targeted shutdown to a high-pressure line when another insertion valve could not.

THE PROBLEM

Buchanan County Public Service Authority's project required repairs to a pumping station that boosts the pressure high enough to get water to a tank at the top of a mountain. The line pressure needed to accomplish this is 250 psi. The pumping station serves an area that supplies water to a large school, a Virginia Department of Corrections prison, and hundreds of households and businesses.

For this project, two 8-inch insertion valves were required to isolate the repair area without shutting down the waterline or pump station. A contractor installed a competitor's insertion valve on the 90 psi side of the pump station. However, when the second installation was unsuccessful on the 250 psi side, the contractor stepped away from the project.

THE SOLUTION

After some consideration, Buchanan County determined that the optimal solution was to install a Hydra-Stop Insta-Valve 250 on the 250 psi line to finish isolating the repair area. The valve was installed in less than two hours by Garrison Enterprises using Hydra-Stop's 250 psi-rated installation equipment. With the maintenance area isolated, repairs were completed without impacting water service, and the valve remains a permanent, working asset for Buchanan County.



“Hydra-Stop made it possible to avoid draining a 40-year-old section of my system. Not disrupting service to the immediate area or introducing air into the system saved us untold hours of work and water loss from flushing.”

— Robert Sauer, Assistant Director, **BUCHANAN COUNTY PUBLIC SERVICE AUTHORITY**

RESULTS

COST REDUCTION

All costs associated with shutdown were avoided, including boil orders and loss of water revenue.

BETTER CONTROL

The Insta-Valve 250 provided control on a 250 psi line that another insertion valve could not shut down.

LONG-TERM VALUE

Buchanan County has a permanent, reusable point of control that can be capitalized.

