

INSTA-VALVE 250 SUCCESS STORY

Insta-Valve 250 Helps Charlotte Gain Control for Unidirectional Flushing Program

Charlotte, NC | Population: 873,570

SUMMARY

Hydra-Stop's insertion valve provides targeted control to allow the city to bring down the levels of iron and other particulates in their water distribution system.

THE PROBLEM

Charlotte Water is conducting an ongoing unidirectional flushing (UDF) program throughout four water districts to lower the levels of iron and other particulates within their potable water distribution system. This process is accomplished by systematically closing valves to get the water flowing at a high velocity in one direction to scour the inside of the pipeline and flush the particulates out of the system through the hydrant(s).

Unfortunately, they lacked a control point within an area to achieve the desired outcome. The program required the installation of a valve in a highly populated residential area that also contains a high school. However, the city wanted to avoid service disruptions to the neighborhood.

THE SOLUTION

Having installed Hydra-Stop insertion valves previously, the valve maintenance crew chose the 6-inch Insta-Valve 250. The team installed the insertion valve on the active line without disrupting service to residents or the high school. The city now has the control point needed for its UDF program and can continue operating the valve for future projects or improvement programs.



We would not have been able to successfully complete our UDF program without disrupting service to a number of our customers without the Insta-Valve 250. It provided the control we needed without the repercussions of a shutdown.

— **Matthew Morries**, Zone Manager, **CHARLOTTE WATER**

RESULTS

BETTER CONTROL

Charlotte Water gained the control point they needed to successfully complete their UDF program.

LONG-TERM VALUE

Charlotte Water now has a permanent, reusable point of control that can be capitalized.

COST REDUCTION

Charlotte Water could avoid 100% of the costs associated with a shutdown, including loss of water revenue.

