

INSTA-VALVE 250 SUCCESS STORY

10 Years After Installation, Insta-Valve 250 Helps Isolate Repair Area

Rock Falls, Illinois | Population: 8,740

SUMMARY

A previously installed Insta-Valve 250 insertion valve provided control for a fire pump removal without backflow between the water distribution piping and the water treatment facility.

THE PROBLEM

As part of an infrastructure improvement project, the City of Rock Falls needed to remove an old fire pump within the filter room of their water treatment plant. Unfortunately, the original system from 1962 did not have a valve after the primary check valve in the yard, thus making it impossible to isolate the repair area properly.

THE SOLUTION

Fortunately, the city showed forethought about this issue — 10 years before there even was an issue.

The city chose Hydra-Stop's Insta-Valve 250 insertion valve to gain additional control. They strategically installed the insertion valve on a 12-inch pipe to ensure water can leave the distribution system in another direction for required maintenance and repair to the original piping, without the risk of backflow entering the area of repair.

The Insta-Valve 250 remained in the open position until June 2021, when the city needed to isolate the fire pump for removal. Just as you would expect from a traditional valve, the Insta-Valve 250 stopped the flow of water to the worksite, and the city's crew was able to remove the fire pump successfully.



“We are very happy with the performance of the Insta-Valve 250, even after being in the open position for ten years since installation. We would not have been able to complete our project without the added control the Insta-Valve 250 provided.”

— Ted Padilla, Superintendent,
CITY OF ROCK FALLS

RESULTS

LONG-TERM VALUE

Rock Falls has been able to capitalize this permanent, reusable point of control within their water distribution system before for ten years — well before the valve was turned — and will continue to do so for years to come.

BETTER CONTROL

The Insta-Valve 250 provided control precisely where control was needed to avoid flow back or unnecessary system shut down.

COST REDUCTION

The forethought of the city of Rock Falls to install an insertion valve helped keep their project on time and on budget without the risks or costs associated with shutdown, like water retreatment, water revenue loss, or service disruption.