

INSTA-VALVE 250 SUCCESS STORY

Insta-Valve 250 Reduces Shutdown Area for One of Largest Military Installations in the U.S.

SUMMARY

Hydra-Stop's insertion valve minimized water service outages while providing a safer repair environment.

THE PROBLEM

A water leak from a valve was discovered on a 12-inch line in a small water vault. Unfortunately, there were no isolation valves within the vicinity. Performing the repair with the available valves would result in an expanded shutdown radius, including 13 buildings and two fire tanks that support the fire suppression system within the area.

Additionally, the System Owner Site Manager wanted to avoid risking the safety of the repair crew within a confined space with a leaking 12-inch water line.

THE SOLUTION

Having recently purchased Hydra-Stop insertion valve equipment, the military installation utilized an Insta-Valve insertion valve for better isolation. The System Owner coordinated a controlled water service disruption to only five buildings when no one would be onsite within the shutdown zone.

Since the pipe feeding water to the vault was unidirectional, the crew installed one 12-inch Insta-Valve on the line leading to the vault in a couple of hours. With the insertion valve exercised and water flow halted into the vault, the maintenance team could safely remove the valve making it a straight pipe. Since maintaining the vault presents hazards and is no longer needed, the System Owner chose to backfill the vault.



RESULTS

BETTER CONTROL

Crews could minimize water service disruption for military and civilian staff and isolate the repair area within only a few hours.

COST REDUCTION

The military installation avoided a larger outage area, loss of fire protection, and other costs associated with system shutdown.

LONG-TERM VALUE

The System Owner was able to eliminate a potentially hazardous water vault.

This project is just one example of how Hydra-Stop helps military installations support its mission to provide the base with water so that the occupants, both military and civilian, remain at work to continue their readiness and support of the needs and services of our United States military.

— System Owner Manager, Midwest Region

