

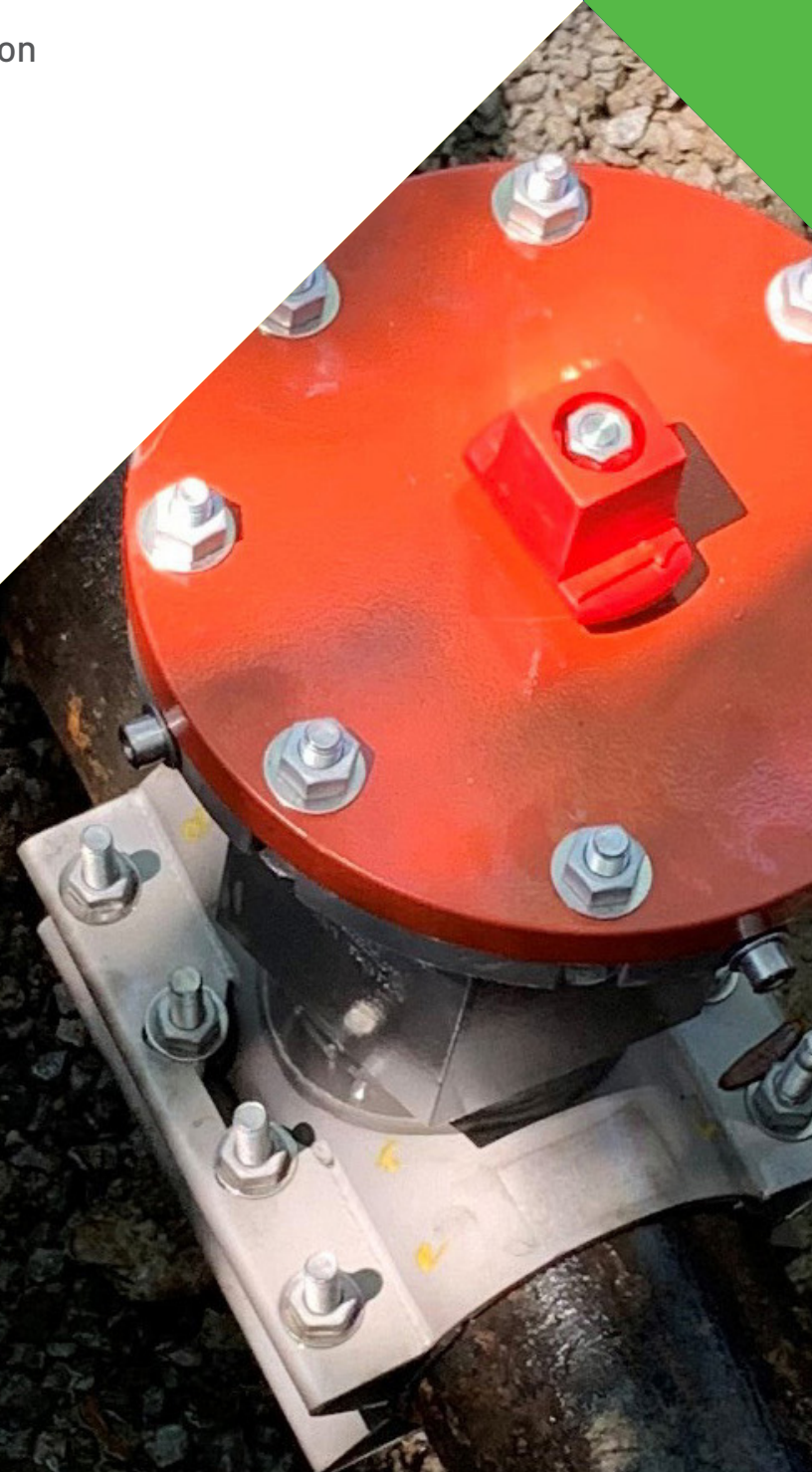
HYDRA-STOP

► FROM PENTAIR

DISCOVER INSTA-VALVE®

RELIABILITY + STRENGTH + QUALITY

The Industry's Leading Valve Insertion Solution



hydra-stop.com

This document is proprietary and confidential.

INNOVATIVE WATER CONTROL SOLUTIONS

Our dependable water control solutions let you perform the required work on time and on budget – while conserving water and eliminating the costs and risks associated with planned, routine, or emergency shutdown.

BENEFITS OF HYDRA-STOP SOLUTIONS

SAVINGS



- Avoidance of shutting down water system results in over 40 percent savings
- 100 percent of the costs related to shutting down a system are eliminated

CONTROL



- Isolate repair section vs. system-wide shutdown
- Reduce time to resumption of normal supply

ENVIRONMENT



- Eliminate the loss of thousands of gallons of treated water
- Limited environmental disruption due to very small excavation

SAFETY



- Employees are not exposed to flooded trenches with pumps
- Dangerous use of chop saws removed from process



“ On behalf of the Mayor and Council, I would like to thank you for the work you did to provide the insertion valves for our system. We were able to finally repair these problem areas. We look forward to doing business with Hydra-Stop in the future. ”

– Deshawn Manor, Councilman, **ALLENDALE, SC**

KEEP YOUR WATER FLOWING

Our industry-leading insertion valves allow your operators to perform planned, routine, or emergency work without shutting down any portion of your potable water, wastewater, or industrial water system.

BENEFITS OF USING INSTA-VALVE®



- Requires no shutdown and installs under-pressure with a single line tap
- Is safer and more economical than other valve insertion methods
- Installs in half the time compared to traditional methods
- Are permanent assets, so costs can be depreciated over time
- Allows for over 40 percent savings over traditional repair methods
- Eliminates:
 - 100 percent of the costs related to system shutdown
 - Boil orders
 - Complicated planning
 - Loss of fire protection
 - Large street excavations and street patches
 - Working in unsafe trenches and knee-high mud
 - Reaming the pipe wall or completely severing the pipe
 - Isolation zones in the event of contamination or emergency



INSTALLATION: HOW IT WORKS

Installation is accomplished through a single line tap made under full line pressure into the top of the pipe without reaming. The insertion valve permanently remains in place, allowing for system control, repair and maintenance in the same manner as any other gate valve.

Not only are there no service disruptions to residents or businesses in the area of the repair, but you avoid the incremental costs that normally accompany a shutdown – boil orders, negative publicity, loss of treated water, lab testing fees, and more.

INSTA-VALVE® INSERTION VALVES

Insta-Valve® insertion valves are permanent, resilient seated wedge valves for potable, waste, and industrial water applications. Its superior engineering provides unparalleled performance when compared to other insertable valves on the market. Meeting the highest industry standards, the reliability, strength, quality, and value of Insta-Valve® is unmatched. When your project calls for the best, specify Insta-Valve® insertion valves.

KEY FEATURES

- 250 psi working pressure¹
- Requires no system shutdown
- Eliminates 100 percent of the costs related to shutting down a system
- Engineered valve cartridge for a drip tight seal
- Exceeds AWWA C509/515 Proof of Design Standards
- Maintains NSF 61 and ANSI 372 certification by UL²
- Stainless steel construction³
- Permanent asset for site-specific control
- Can be installed on asbestos cement, cast iron, ductile iron, steel, and PVC pipes in any orientation⁴
- No need to ream or sever the pipe, only a single tap needed for installation
- Fast installation in as little as 2-4 hours
- AIS-compliant options available for 4"-16" valves

1: Does not apply to the Insta-Valve 20-24, which is rated to 150 psi.

2: UL certification for the Insta-Valve 250 valves only.

3: Does not apply to the Insta-Valve 20-24, which is made of ductile iron with a fusion-bonded epoxy coating.

4: Does not apply to the Insta-Valve 20-24, which can only be installed on cast or ductile iron pipes in the vertical or horizontal position.



4"-12"
INSTA-VALVE® 250



14"-16"
INSTA-VALVE® PLUS 250



20"-24"
INSTA-VALVE® 20-24

IMMEDIATE SYSTEM CONTROL

Our patented valve cartridge design guarantees efficient, safe and perfectly aligned installation.

ONLY INSTA-VALVE CHECKS EVERY BOX



SMALL EXCAVATION SITE

Since every Insta-Valve insertion valve requires only a single tap for valve insertion, the entire process takes place within a smaller footprint. There's no need to spend more time and money for a larger excavation site to accommodate pipe cutters that operate across the pipe.



PERFECT FOR TIGHT SPACES

Do other utilities surround your pipe, or is it located in a tight space? The Insta-Valve can be installed in any position on the pipe, making it adaptable to your site's unique environment.¹



SIMPLE PIPE PREP

Installation requires minimal pipe preparation. Just clean the pipe and set the valve – no extra steps needed!



PATENTED SEATING SYSTEM

The patented seating system of Insta-Valve does not require the complete removal of pipe segments and does not seat against the tap edge of the host pipe. The engineered seat design and reinforced paddle allow the insertion valve to seal directly within the pipe – even within the most heavily tuberculated pipe without damaging the paddle.



DOES NOT COMPROMISE PIPE INTEGRITY

Installation is performed by making a traditional tap on the pipe and does not require pipe segmentation, eliminating weakening of the beam.



NO NEED TO READJUST THE VALVE DURING INSTALLATION

Unlike other insertion valves, the Insta-Valve does not need to be moved during the installation process. This alleviates issues that can arise after a pressure test is conducted.



NO SHUTDOWN REQUIRED

The Insta-Valve can be installed and closed on an existing, full-flow pipe with a maximum velocity of up to 250 psi² – without damage to the valve, the gate, or the seat. Eliminating the need to shut down also alleviates the possibility of water hammer which can cause damage to your system. Now you can perform work without shutting off water to any customers and you'll gain a new, permanent control point!



SAFER AND MORE ECONOMICAL

The culmination of the previous points adds up to a safer installation process and a more economical investment. The elimination of items like dangerous chops saws, extra work hours, and water loss are just some of the benefits that impact the safety of your crew and the health of your budget.

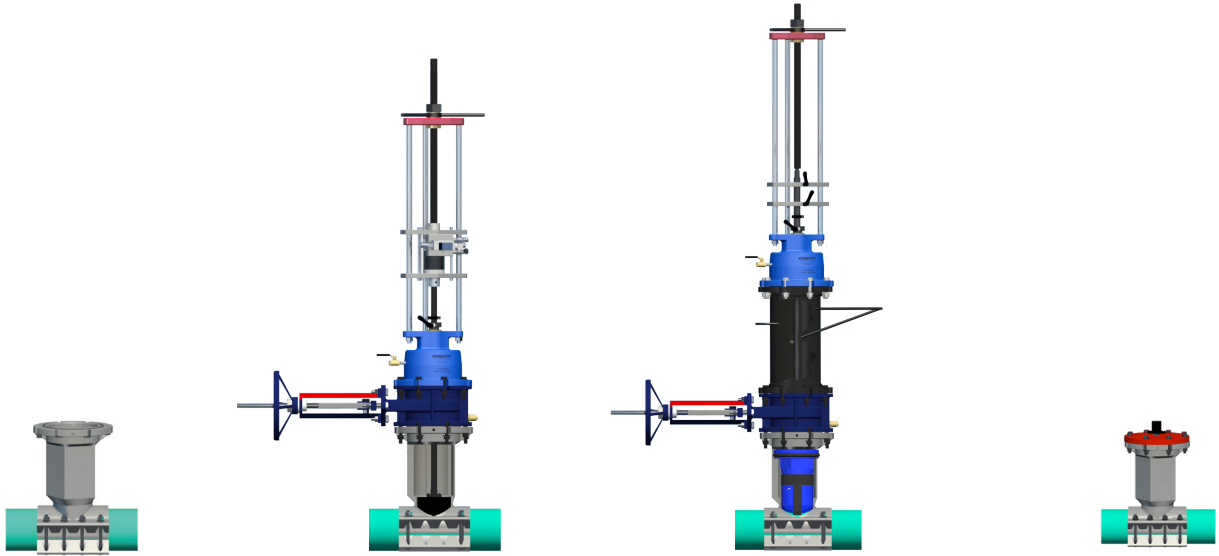
STEP-BY-STEP INSTALLATION

Step 1: Mount and pressure test

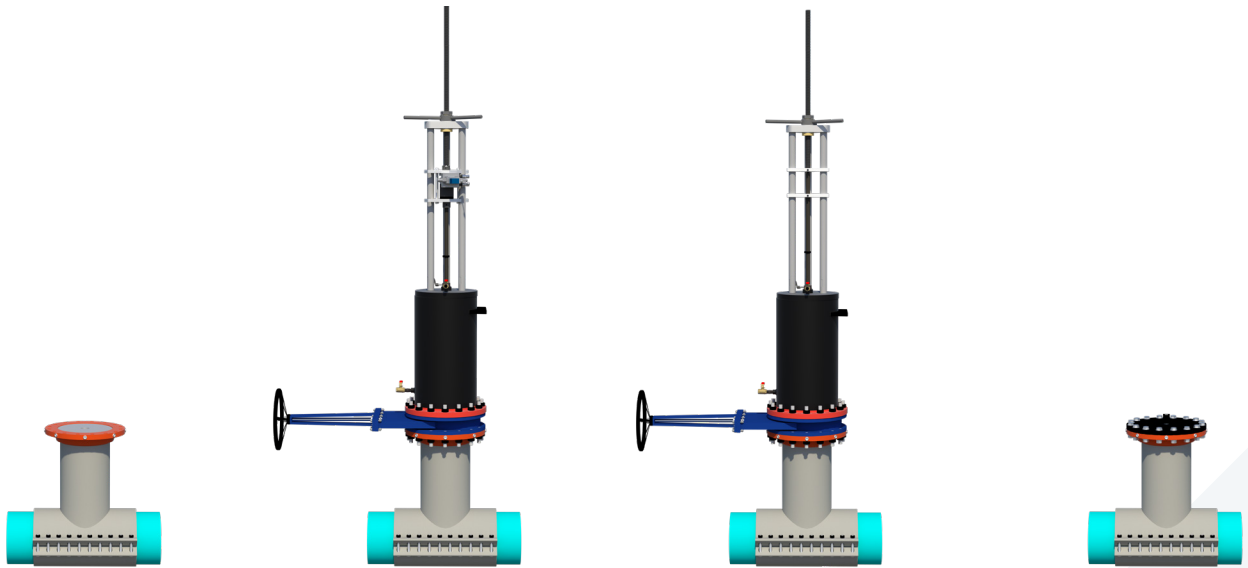
Step 2: Perform tap

Step 3: Insert cartridge

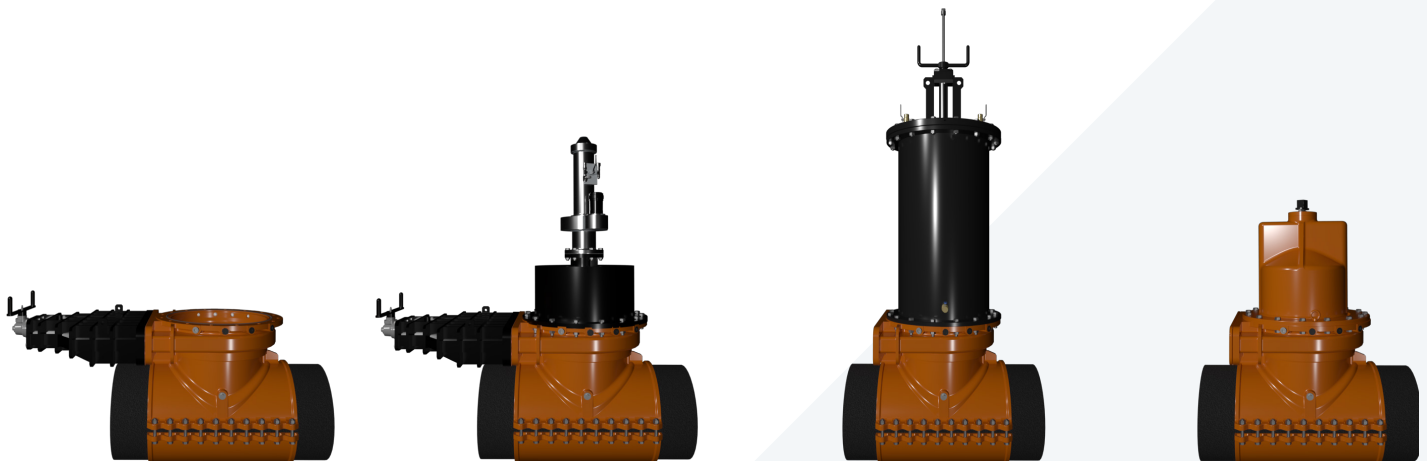
Step 4: Operate valve as needed



INSTA-VALVE 250



INSTA-VALVE PLUS 250



INSTA-VALVE 20-24

