INSERTION VALVES
RELIABILITY + STRENGTH + QUALITY

HYDRA-STOP
SOLUTIONS FOR CONTROL

EDISON AWARDS
GOLD
2018 WINNER
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 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**
INSERTION VALVES

KEEP YOUR WATER FLOWING

Our insertion valves, the foundation of the Hydra-Stop System, allow your operators to perform planned or emergency work without shutting down any portion of your potable, waste or industrial water system.

BENEFITS OF USING HYDRA-STOP INSERTION VALVES

- 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 44% 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.
The reliability, strength, quality and value are unmatched. When your project calls for the best, specify the Insta-Valve 250 Patriot insertion valve.

**KEY FEATURES**

- 250 psi working pressure, 375 psi test pressure
- American Iron and Steel and non-AIS models available
- Exceeds AWWA C509/C515 Proof-of-Design Standards
- Can be installed on AC, CI, DI, steel, and PVC pipes in any orientation
- Stainless steel construction
- Valve cartridge engineered to install faster, reduce operating torque and simplify installation procedures
- NSF 61 and ANSI 372 certification by UL
- Optional domestic stainless-steel hardware available
- Optional stainless-steel bonnet available

Meeting the highest industry standards, Insta-Valve 250 Patriot insertion valves are permanent, resilient seated wedge insertion valves that use an engineered, reinforced composite polymer valve cartridge. This product stops flow in many types of pipe, from 4” to 12” in diameter, and is used in potable, waste, and industrial water applications.
EFFICIENT VALVE INSTALLATION = IMMEDIATE SYSTEM CONTROL

The IV 250 Patriot can be installed in as little as one hour!

STEP ..................................................... 1
Mount the valve body.

STEP ..................................................... 2
Perform a line tap.

STEP ..................................................... 3
Insert the valve cartridge.

STEP ..................................................... 4
Operate the valve.

STEP-BY-STEP INSTALLATION

The patented pentagonal valve cartridge design guarantees efficient, safe and perfectly aligned installation.
**14” – 16”**

**Insta-Valve Plus 250®**

The IVP 250 from Hydra-Stop is a permanent, insertion valve offering reliability, strength, quality, performance, simplified installation and operation.

**KEY FEATURES**

- Available in 14 and 16 inch sizes
- Installs under-pressure without shutdown
- 250 psi working pressure, 375 psi test pressure
- 2” diameter stainless-steel valve stem for superior strength and reliability
- Interchangeable valve cartridge to accommodate most sizes and types of pipe (cast iron, ductile iron, asbestos cement, concrete, PVC and steel).
- True wedge-style design for superior sealing
- AIS (American Iron and Steel) compliant*

**WHEN YOU NEED A 14 OR 16 INCH INSERTION VALVE, SPECIFY THE IVP 250**

Built to handle the demands of 250 psi line pressure, the IVP 250 can be installed on a water line under pressure, without system shutdown. Community disruption is minimized while the costs related to system shutdown are eliminated. Superior engineering provides unparalleled performance when compared to other insertable valves on the market.

*With the purchase of domestic hardware and weld-neck.