



Insta Valve Plus® by HYDRA-STOP®

www.midwestchlorinating.com

Midwest Chlorinating & Testing is an authorized installer of Hydra-Stop's patented Insta-Valve Plus insertable valves (patent # 6,810,903). Insta-Valve Plus provides a means to install a permanent block (open close) valve into a pressurized water main with no interruption of flow through the pipe and no reduction of line pressure (up to 150 psi). The insertion of an Insta-Valve Plus is accomplished through a single circular whole cut (under full line pressure) into the top of the pipe with no reaming. The Insta-Valve Plus, itself, permanently remains in the water distribution piping to allow shutdowns in the same manner as any gate valve which would have been originally installed with the water main.

Insta-Valve Plus Features

Insta-Valve Plus provides:

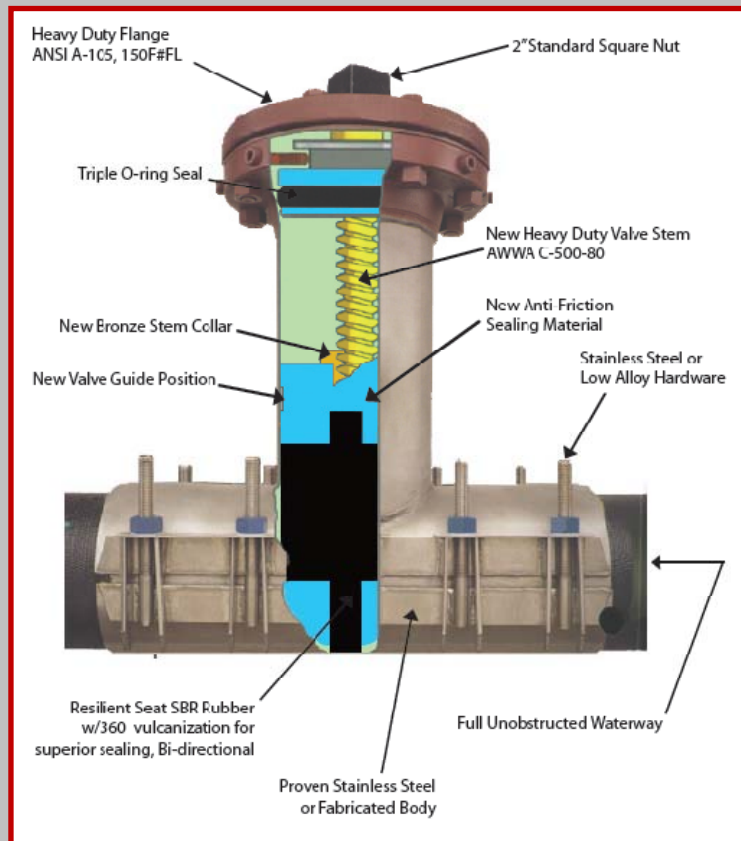
- Constant flow
- Peace of mind
- System control
- Immediate results
- Value added options
- Clean drinking water
- Safe working conditions
- A water conservation measure

Insta-Valve Plus eliminates:

- Boil orders
- Complicated planning
- Loss of fire protection
- Large street excavations and street patches
- Working in unsafe trenching and knee-high mud
- Reaming the pipe wall or completely severing the pipe
- Not having isolation zones in the event of contamination

Insta-Valve Plus Applications

- Potable water mains
- Wastewater/force mains
- Low pressure gas
- Industrial
- All pipe ranges including AC, Plastic, Ductile Iron, Cast Iron, and Sand Cast



The Insta-Valve Plus from Hydra-Stop® is a resilient seat wedge valve that uses bullet stopper technology to stop flow in all types of pipe 4" thru 16" and can be installed under pressure, up to 150 psi.



Step 1
IV Plus Fitting is mounted onto pipe to make sure valve is level.



Step 2
IV Plus is pressure tested insuring a good seal around the pipe and will not leak.



Step 3
Temporary gate valve is mounted onto the IV Plus Flange.



Step 4
Tapper is mounted onto temporary gate valve and tap made to remove coupon.



Step 5
Delivery tool with the IV Plus bullet assembly is mounted onto temporary gate to complete installation.



Step 6
Finally, the blind flange with the 2" valve nut is placed on the valve and tightened for operation.



Frequently Asked Questions

1. What is Insta-Valve Plus?

Insta-Valve Plus is a resilient seat wedge valve that uses bullet stopper technology to stop flow allowing you to add control points and isolation zones to your system.

2. How does Insta-Valve plus seal?

Insta-Valve Plus uses an advanced compression molded hyperbolic parabola seating surface joined to the radial axis sealing area that optimizes the seal at both the pipe and the coupon removed location.



3. Can the Insta-Valve Plus be installed in the open position?

Yes, Insta-Valve Plus can be installed in the open position and operated when needed.

4. Can my valve Insta-Valve cartridge be replaced?

Yes, by reversing the installation process you can simply install a new Insta-Valve plus valve cartridge if needed.

5. Can the Insta-Valve Plus be routinely exercised?

Yes, Insta-Valve Plus has been engineered to allow routine operation and exercising.

6. What is life expectancy of the Insta-Valve Plus?

Insta-Valve Plus is designed to provide years of trouble free operation and can be cycled (opened/closed) up to 50 times.

7. How many turns does it take to open / close the Insta Valve Plus?

4" – 12 • 6" – 24 • 8" – 32 • 10" – 40 • 12" – 48

8. Does the Insta-Valve Plus work on all common types of pipe?

Yes, Insta Valve Plus can be installed on all types of common pipes.

9. Can the Insta-Valve Plus be customized for a specific application?

Yes, Since the Insta-Valve Plus is fabricated epoxy coated carbon steel or stainless steel Insta-Valve Plus can be customized to fit almost any size or type of pipe.

10. Does the Insta-Valve Plus meet AWWA specifications?

AWWA does not have a specification for insertion valves. AWWA C-509-01 and C-515 Valve Specifications are not met by any insertion valve on the market today.

11. What if my application requires me to use a valve that needs to meet AWWA C-509-01 or C-515-01?

If your application requires you to use a valve that meets AWWA C-509-01 or C-515-01 and you can simply use a line stop to cut-in the valve of your choice.

12. Does the Insta-Valve guarantee 100% shutdown?

No, Insta-Valve Plus does not guarantee 100% shutdown. The advance design of the Insta- Valve Plus valve cartridge is designed to achieve 100% shutdown but conditions inside the pipe may affect performance up to 5%.

13. What sizes is the Insta-Valve Plus available in?

Currently Insta-Valve plus is available in sizes 4"-12" & 16". Additional sizes will be available in the future. 14", 18", & 20" are currently being completed.

14. Is Insta-Valve Plus a new product?

No, Insta Valve Plus is currently in its third generation of evolution. Years of successful installation have enabled Hydra-Stop to perfect Insta-Valve Plus and its installation process.

15. What is the warranty period of Insta-Valve Plus?

Insta-Valve Plus is warranted for 1 (one) year.

16. Is Insta-Valve made in the United States?

Yes, Insta-Valve Plus is manufactured at the Hydra-Stop manufacturing facility in Alsip, IL.