

# Insta-Valve Plus

## Liquid Flow Control Valve Insertion

Hydra-Stop's patented Insta-Valve Plus is a highly reliable, easily inserted quick valve replacement. Installation is as easy as 1, 2, 3. Just install the fitting, make the tap, then install the valve. It really is that simple and safe to install.

Hydra-Stop's Insta-Valve Plus eliminates many of the problems commonly associated with valve insertion and valve replacement. Complicated planning and coordination can be eliminated and there's no more need for annoying and dangerous service disruptions. Once installed it operates with a standard valve key. This revolutionary valving system works with existing Hydra-Stop equipment or as a stand-alone system. Insta-Valve Plus can be easily inserted practically anywhere, giving professionals the control they have long wanted over the complicated distribution system.

### **What the innovation is? - Insta Valve Plus by Hydra-Stop**

Insta Valve Plus is a liquid flow control product. It requires only one cut, no reaming, and no excessive pipe strength loss. It truly is "the easy-to-install, easy-to-use" insertable valve.

**Why it is innovative** – Insta-Valve Plus provides utilities with the ability to safely and quickly insert a flow control device into a water line pipe without shutting down and draining the system. The flow control device is inserted in normal water main pressure to insure all water users (fire departments, medical industry, commercial, industrial, and residential) have a constant uninterrupted supply of water. At the same time, the utility is able to provide the necessary maintenance to the pipeline and appurtenances.

**What it changed or replaced** – Insta-Valve Plus replaces the need for utilities to shutdown in order to repair or service under-pressure water lines. It provides the water maintenance crews the option to NOT shutdown. In the past when a valve needed to be installed into the pipeline, a section (large or small based on the location of the installation) had to be shutdown, drained, and customers had to be notified (accumulating door to door and media fees). Water health agencies had to be contacted and informed that the potable system seal has been broken and entered. There were laboratory water sample costs, lost water revenue, waste of thousands of gallons of treated quality water. Usually there was additional purging and flushing and then the adding of more water to refill the piping system.

All of this still takes place today when the system needs to be shutdown. The Insta-Valve Plus however, allows water maintenance crews to avoid the hazards and time delays just mentioned and gain control of the system without breaking the potable system seal.

Where and when it originated, has been used, and is expected to be used in the future – Insta-Valve Plus has evolved from the line stopping industry and originated as its own unique product in the last 12 months. In these last 12 months the extraordinarily engineered contoured sealing characteristics were added to give it the most enhanced flow control ability to date. It was developed at 11700 S Cicero Ave., Alsip, IL 60803 (just outside of Chicago). Thus far the product has been used for: Potable water systems in 4" to 12" sizes, up to 180 psi; and Metal, A/C and plastic pipes at temperatures to 180° F.

In the future Insta Valve Plus is expected to be available in additional sizes and used in force sewer mains, HVAC systems, petroleum and air flow systems to name just a few.

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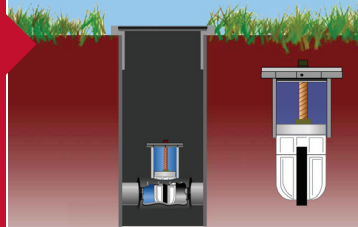


Rugged Stainless Steel Construction version for years of hassle free service

# HYDRA-STOP®

11700 S. Cicero Avenue | Alsip, IL 60803  
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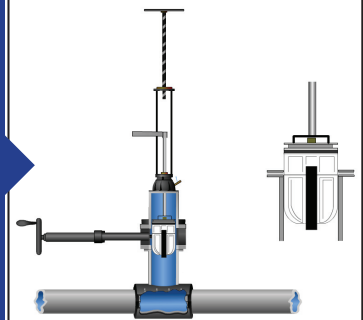
Cross section view of Insta-Valve Plus in the closed position



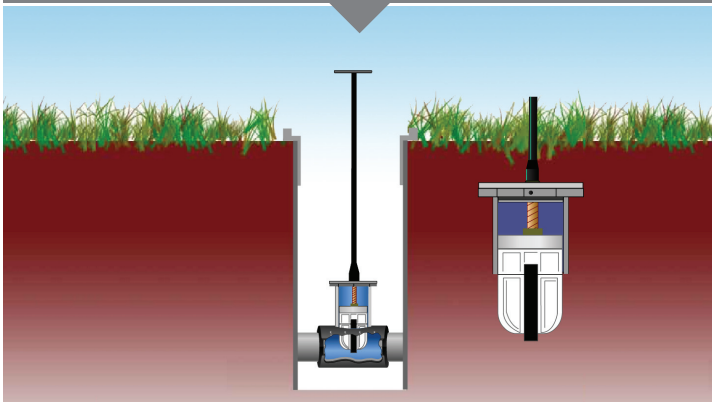
Installation in close proximity to a natural gas line without interrupting the water or gas utility service

# Insta-Valve® PLUS

Illustrating how the internal valve assembly is inserted live into the piping without system shutdown



Backfilled and Operated, Insta-Valve Plus with Standard Valve Key



Insertion of 2 - 10" and 2 - 12", providing the facility Flow Control