

floLogic®

"the circuit breaker for every plumbing system"®

Installation of the FloLogic System® will eliminate preventable property damage due to plumbing leaks. FloLogic will protect any property from a *single installation point*, identifying and stopping leaks before a small drip becomes a huge problem.



Control Panel

As reported by the EPA and the American Water Works Association, the average home loses almost 11,000 gallons or 14% of their total domestic water per year due to undetected leaks. FloLogic will stop water wastage with constant monitoring and immediate response to reduce water consumption due to leaks.

The FloLogic System will detect and stop leaks resulting from:

- Ruptured supply lines and fittings
- Leaking boilers and water heaters
- Malfunctioning appliances
- Frozen pipes
- Stuck flappers and toilet fill valves
- Pinhole leaks in copper pipes
- Radiant heating distribution lines
- Irrigation line or valve failures
- Running exterior hose bibs
- Any accidental water waste



Valve Assembly

Water damage due to plumbing failures and freezing pipes can be catastrophic for any property. To make matters worse, the damp conditions that persist after a leak will create the perfect environment for mold infestation, a major source of indoor air problems. Because of escalating insurance costs, businesses and homeowners who install the FloLogic System should qualify for a discount on their insurance premiums.

Flexible.

The FloLogic System combines a precision calibrated low-flow water sensor with an intuitive user interface to continuously monitor water use and control a motor-driven ball valve. Certified to IP68 for dust and water ingress protection, the valve and flow sensor assembly can be installed in any orientation in both indoor and outdoor environments. The FloLogic System can be connected to any security or building automation system, alerting the building management, security monitoring service, or homeowner when a leak is detected and the water is turned off.

Reliable.

The FloLogic System continuously monitors all water entering the property and detects any unusual flow, 24 hours a day, seven days a week. An integrated battery provides stand-by power allowing the System to continue to perform these functions for several days when AC power is lost. Every time the FloLogic System changes from the Home mode to the Away mode (or minimally every 14 days), the FloLogic valve is "exercised" to confirm it will operate properly when called upon. This is a patented feature only available on the FloLogic System.

Customizable.

When the property is occupied (Home mode), the FloLogic System is preprogrammed to allow 30 minutes of uninterrupted water flow before the valve is closed and the leak alarm is activated. When the property is unoccupied (Away mode), the FloLogic will allow only 30 seconds of uninterrupted water flow. Settings for both Home and Away modes can be easily modified to correspond with any property's water use patterns.

Standard System Features

- Valve Assembly physical attributes: 9 ½" long x 4 ¾" deep x 9 ½" high; 11 ½ lbs.
- Lead free, cast bronze construction with full-port stainless steel ball
- 1" NPT threaded union fittings on both ends of the Valve Assembly.
- Waterproof Valve Assembly (IP68) - Allows both indoor and outdoor installations
- Listed with UL, cUL, UPC, and cUPC, Certified to NSF 61-8
- Less than 3 PSI pressure drop at 30 GPM flow. Under 5 PSI pressure drop at 50 GPM
- Maximum designed working pressure of 100 PSI, peak pressure of 150 PSI
- Air Temperature 35°F (2°C) to 120°F (50°C), Water Temperature 35°F (2°C) to 140°F (60°C)
- Integrated manual override
- Capable of detecting water flow starting at ½ ounce (1 Tablespoon, 15 ml) per minute
- When AC power is interrupted, System Battery provides power for up to 7 days
- When AC power is restored, the Power Supply will recharge the System Battery
- Includes security system and building automation interfaces via relays and dry contacts
- Control Panel with backlit display and soft-touch keypad
- Included Communication Cable provides for up to 50 feet distance between the Valve Assembly and Control Panel. Cables up to 200 feet are available if needed
- Five-year warranty on primary valve and one-year warranty on electronics



Accolades



Popular Science honored the FloLogic System with the "Best of What's New" award, which recognizes the 100 best achievements in science and technology each year. The FloLogic System was selected by the editors of *Handy Magazine* to receive one of the inaugural *Handy Innovation Awards*. The FloLogic System was featured in *Fortune Small Business* magazine's annual "Big Idea Issue" and listed as one of the "Top 100 Products" by *Building Products Magazine*. The FloLogic System was featured on "Ask This Old House", broadcast nationally on PBS television.

