



Watasensor

Smart Water Valve Wasservalue™

Monitor water usage and detection of water leak and pipe burst and real-time shutoff valve to prevent water damage

Overview

The Wasservalue is a smart water valve based on an ultrasonic water measurement technique that provides users a new way to monitor water usage, and critical protection of water damage. It can detect water leakage and pipe burst in real time and instantly shut off the water supply to mitigate a costly water damage. Upon detection of water leakage and pipe burst, a notification is sent over Internet to the user's smart phones via cellular and broadband networks. It's a compact and streamlined water valve, can be installed into the water main line in any direction. It provides you a peace of mind, a way to use water more efficiently, and seamlessly interacts with your Smartphones, and tablets over Internet anytime and anywhere.

Key Features

Measure the flow rate and cumulative flow rate of water in a closed full pipe based on ultrasonic measurement principle

- High measurement accuracy and reliable
- No wear & no moving parts, low head loss
- Automatic valve close immediately:
 - Water leakage or pipe burst
 - Battery drops to the low limited level

Meter sizes

- 3/4", 1", 1-1/4", 1-1/2"

Pipe material

- Copper

Shutoff valve

- Stainless ball valve

Working conditions

- Water temperature: 0~30(50) °C
- Working pressure: ≤1MPa
- Pressure rating: Δ P40
- Installation environment: Class B
- Electromagnetic environment: Class E1
- Waterproof rating: IP68

Installation in almost any direction

Implementing standards

- ANSI/AWWA C715
- NSF/ANSI standard 61&372

Networks

- LTE CAT M1
 - Two way communication with cloud base sever (AWS)
- Lora Network
 - Manage and control up to eight subordinate shutoff valves

Battery power

- 10 years and replaceable

Agency listings

- FCC & CE

Free download client app from App Store and Play Store

- iOS 11 or later, compatible with iPhone or iPad



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