

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

Overview

The Shutoffvalve is a smart water sub valve that is designed to operate seamlessly with the main valve "Wasservalue. It can be remotely turned on/off under control of the main valve via Lora network. The combination of the main valve and sub valves 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 bust, a notification is sent over Internet to the user's smart phones via cellular and broadband networks. 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.

The valves have many uses, including controlling water for irrigations, industrial uses for controlling processes, residential uses such as on/off and pressure control to dish and clothes washers and taps in the home. It's suited to deploy in the remote site where the electric power and broadband network are not available.



Key Features

Shutoff valve

- Stainless ball valve
- Remote turn on/off via Lora network

Pipe sizes

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

Pipe material

- Brass

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

Implementing standards

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

Lora network

- 915 MHz
- Communication distance up to 3Km

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 iPhones or iPads
- Android 6+ smartphones or tablets