

Parameter

- Applicable Water Temperature: 1-50°C
- Working Pressure: 0.1-0.75MPa
- Applicable Water Pressure: 0.1-1MPa
- Connection Size: DN20/DN25
- Built-in Battery: 3.7V/1400mAh Rechargeable Lithium Battery
- Applicable Water Quality: Municipal Tap Water
- External Power Input: 100-240V, 50/60Hz
- Power Output: 5V/1A

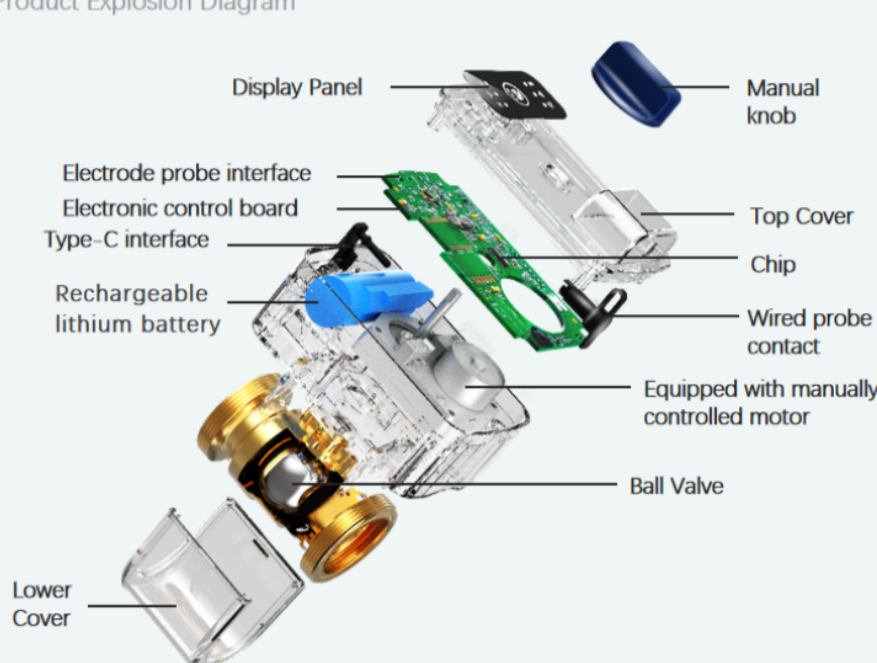
Features

- The electric ball valve is equipped with a manual opening and closing function, enabling valve operation in a power-off state.
- Dual power supply design with lithium battery and external power adapter. Built-in 1400mAh rechargeable lithium battery, supporting up to half a year of use on a single charge.
- Adopts 433 wireless communication, connects with other devices for auxiliary detection and data interaction to send and receive control signals.
- Wired electrode probes can be placed at the bottom of water-prone equipment. When water contacts and conducts between two electrodes, a signal will be transmitted to the device. The system will judge it as a water leakage event, trigger an alarm and shut off the main valve automatically.
- Optional wireless electrode probes for water leakage detection to enhance overall safety.
- IP67 waterproof grade design.



Product explosion diagram

Product Explosion Diagram



Intelligent electric ball valve



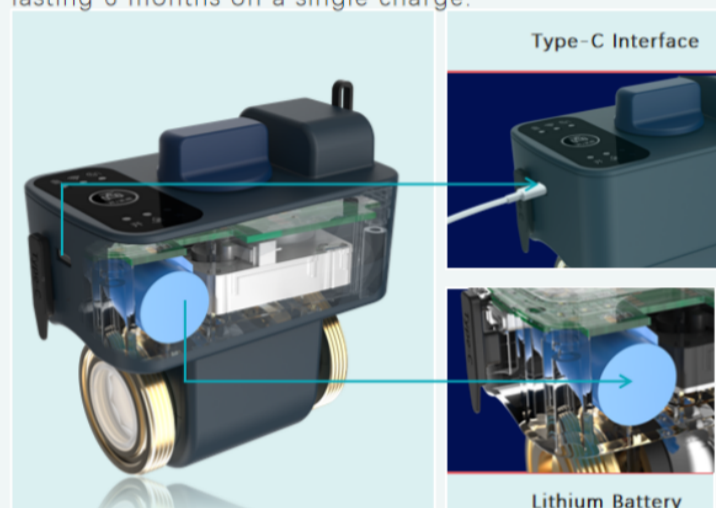
Type-C Interface Power Supply

Lithium Battery Rechargeable Lithium Battery

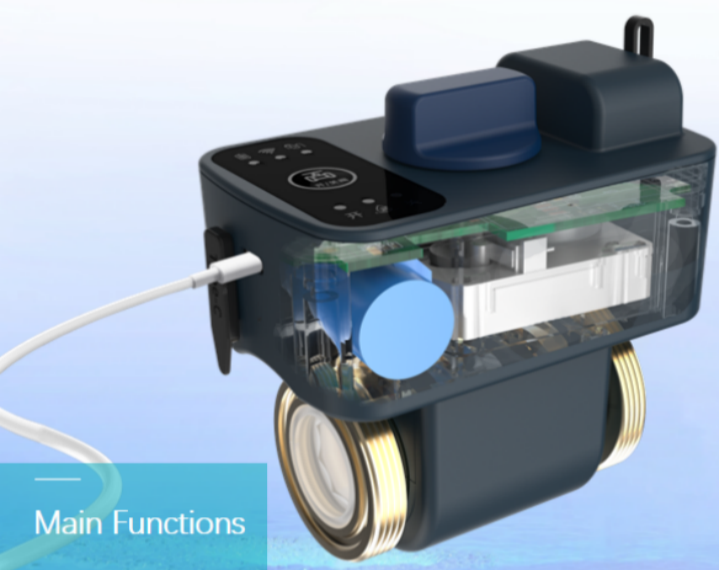
Dual Power Supply

Manual on-off valve

Dual power supply design with mains power and lithium battery. Built-in 1400mAh rechargeable lithium battery, lasting 6 months on a single charge.



Main Functions



Optional configuration

Optional wireless electrode probes for water leakage detection, improving safety.

Intelligent electric ball valve



Features

- Powered by two No.7 dry cell batteries;
- A pair of electrodes on the top panel for water leakage detection;
- Two pairs of electrodes at the bottom for water leakage detection: one pair senses a water leakage height of 0.5 mm, and the other pair detects 8 mm, supporting dual-mode switching for bathrooms and other scenarios;
- Compatible with Wi-Fi and 433 wireless communication, capable of connecting with other devices to transmit signal commands;
- High-decibel buzzer alarm for higher effectiveness;
- IP67 waterproof rating design.

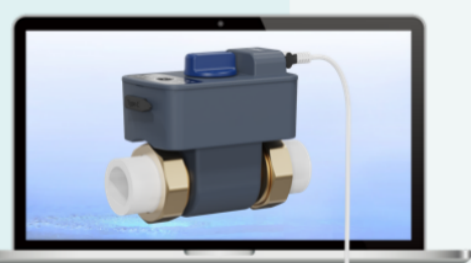
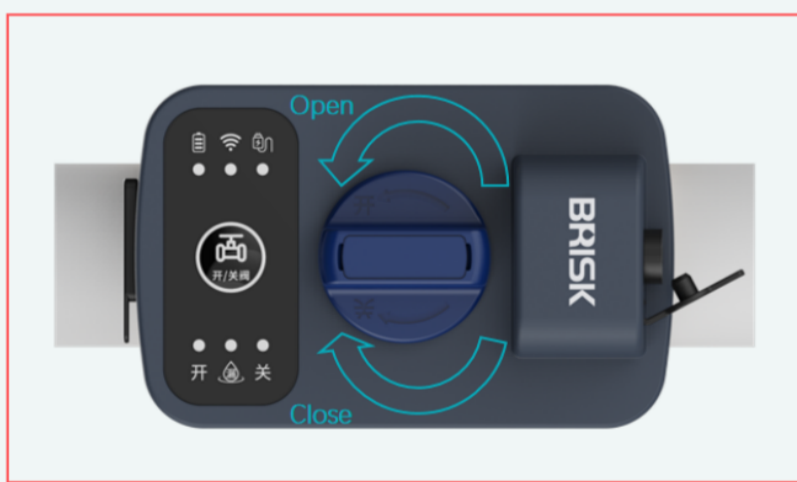
AI-Powered Water Leak Alarm



Main Functions

Manual on-off valve

Motorized ball valve with manual control, enabling valve opening and closing without power supply.



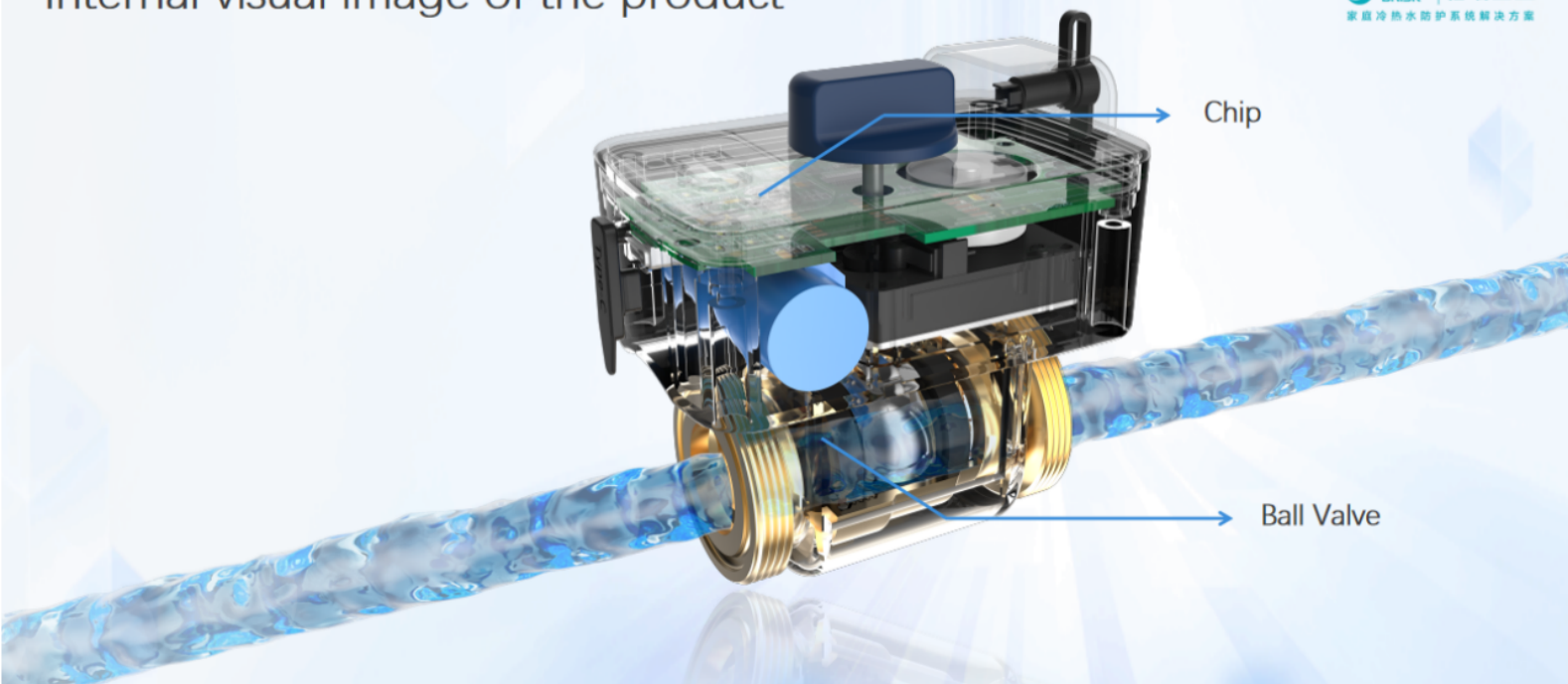
Main Functions

Wired Probe Point

Wired electrode probes can be placed under equipment prone to water leakage. When water connects the two electrodes, a signal is sent to the device. The system judges a leakage condition, triggers an alarm and closes the main valve.



Internal visual image of the product



The controller and ball valve are separable. The electric ball valve supports manual opening and closing, allowing valve operation even in power-off status.