WATER HERO P-100 FLOW MONITOR & AUTOMATIC SHUT-OFF

Water Hero®
Conserve. Protect. Save.

DESCRIPTION

Water Hero P-100 provides real time water consumption data to a web interface and smartphone. When a leak is detected, users receive a text & email alerts and water is shut-off. It works by reading the rotations of a traditional positive displacement water meter and converts these rotations to digital flow readings.

Leak alerts are sent and automatic shut-off occurs when there is continuous flow for more than a user set amount of time. Water Hero also alerts users when it detects high or low temperatures. Features include:

- Functions like a security system with two modes (home/away) and user configurable text/email alert and automatic shut-off
- Remote water shut-off via smartphone/web interface
- On board temperature sensor
- Rechargeable back-up battery for operation in power outage
- Tracking of historical water consumption

OPERATIONAL REQUIREMENTS

- Broadband 2.4 GHz Wi-Fi connection
- Household power for wall adapter
- Cut into pipe by experienced contractor

WATER HERO P-100 FLOW MONITOR & AUTOMATIC SHUT-OFF

Water Hero®
Conserve. Protect. Save.

COMPONENTS INCLUDED

The P-100 unit consists of five components, including the water meter and motorized ball valve, and access to our software system. Not shown here but also included is a wall adapter and RJ45 cord

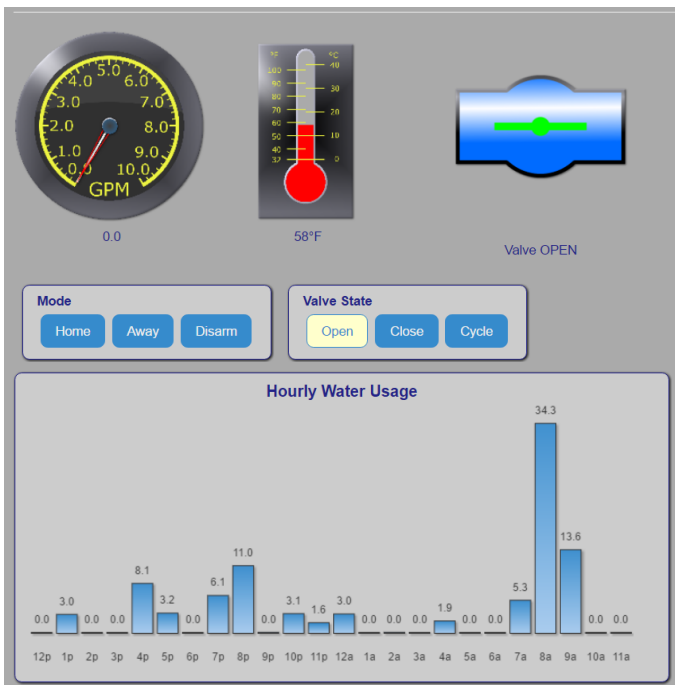**Main Board with Wi-Fi chip and state-of-the-art processor**

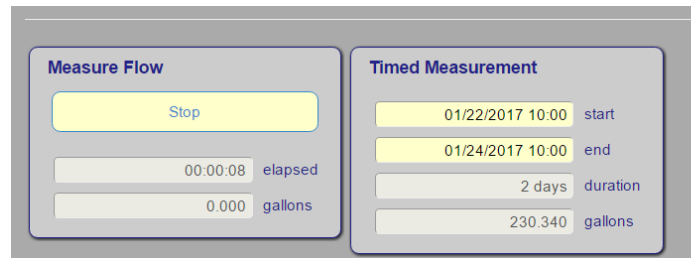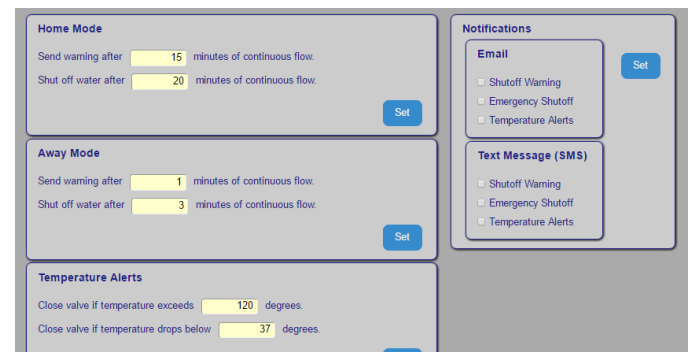**Water Hero smart electronics, brass water meter and union couplings**

Motorized ball valve

WEB APPLICATION SCREENSHOTS

Dashboard

Water Usage Monitoring

Alert Settings

WATER HERO P-100 FLOW MONITOR & AUTOMATIC SHUT-OFF

Water Hero®
Conserve. Protect. Save.

IN-LINE COMPONENT SPECIFICATIONS [1" METER & VALVE]

STAINLESS STEEL VALVE

- NSF Certified
- Body Material: Stainless Steel 304
- Stainless Steel Gearing
- Rated for 70,000 turns
- Manual Override
- Valve Inner Diameter: 1"
- Max working pressure: 145 PSI
- Dimensions: 3.125" x 3.375" x 4.25"

ELECTRONICS & METER

- NSF Certified
- High/Low Flow Rate: .15/25 GPM
- Max Working Pressure: 150 PSI
- Min/Max Temp: -49F/185F
- Accuracy: +/- 2.5%
- 1" Water Meter
- Dimensions: 15.5" x 4.125" x 4.25"

Total Occupied Pipe Length = 18" including union couplings
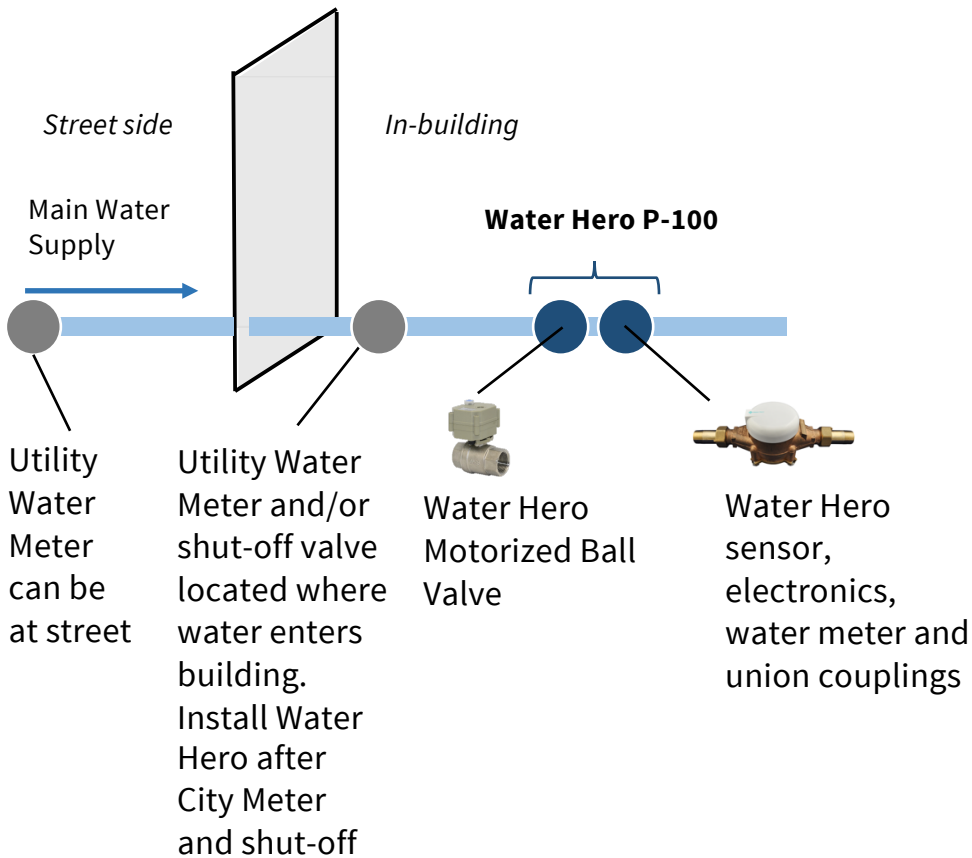
INSTALLATION GUIDANCE

Installation typically takes approximately 1 hour and requires the following high level steps:

- Drain water after the point of installation
- Cut ~18" section from the pipe where water enters the home
- Assemble and solder necessary fittings, unions, water meter and stainless steel valve into the pipe
- Connect Water Hero with existing homeowner WiFi network
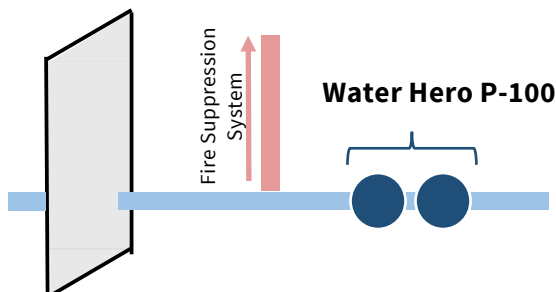
WATER HERO P-100 FLOW MONITOR & AUTOMATIC SHUT-OFF

Water Hero®
Conserve. Protect. Save.

TYPICAL CONFIGURATION*

Street side

In-building

Main Water Supply

Water Hero P-100

Utility Water Meter can be at street

Utility Water Meter and/or shut-off valve located where water enters building. Install Water Hero after City Meter and shut-off

Water Hero Motorized Ball Valve

Water Hero sensor, electronics, water meter and union couplings

- Must be installed inside, unit not waterproof
- Main Controller must be installed in vicinity of existing power outlet
- Main Controller must be installed within signal range of home 2.4 GHz WiFi
- Install after Utility Water Meter, typ. where main water supply enters building
- Horizontal or vertical installation
- 18" straight pipe space required

IMPORTANT INSTALLATION SAFETY CONSIDERATION*

Fire Suppression System

Water Hero P-100

WARNING: Water Hero P-100 must be plumbed after (downstream of) fire suppression systems

*Installation must comply with federal, local and state building and plumbing codes