

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



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

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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

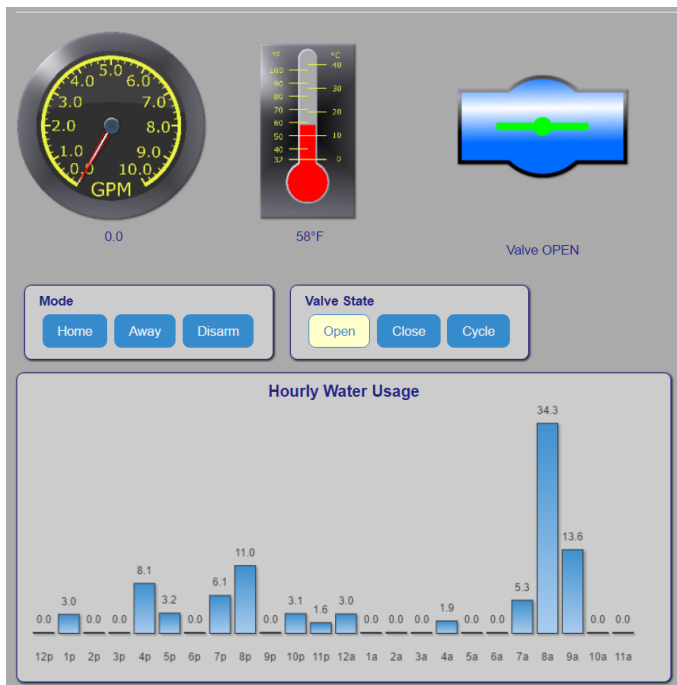


Water Hero smart electronics, brass water meter and union couplings

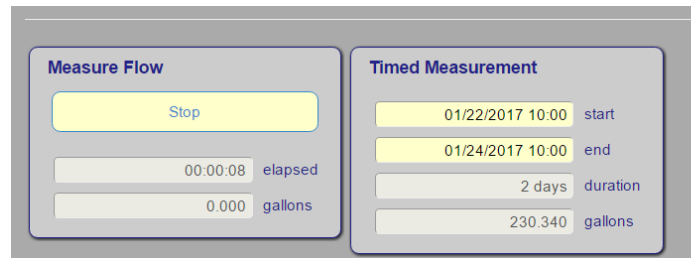


Motorized ball valve

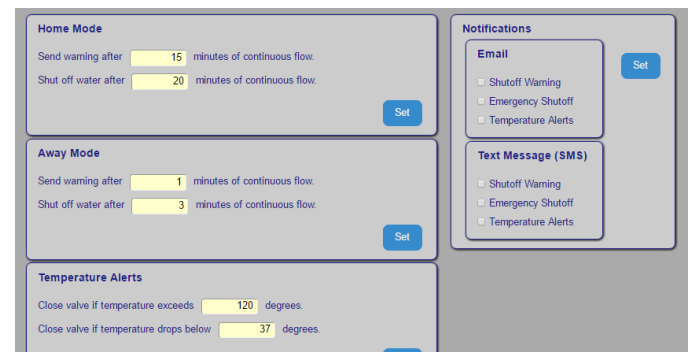
WEB APPLICATION SCREENSHOTS



Dashboard



Water Usage Monitoring



Alert Settings

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IN-LINE COMPONENT SPECIFICATIONS [3/4" 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: 3/4"
- Max working pressure: 145 PSI
- Dimensions: 2.60" x 2.56" x 3.42"

ELECTRONICS & METER



- NSF Certified
- High/Low Flow Rate: .125/25 GPM
- Max Working Pressure: 150 PSI
- Min/Max Temp: -49F/185F
- Accuracy: +/- 1.5%
- 5/8" x 3/4" Water Meter
- Dimensions: 11.50" x 3.81" x 3.63"

Total Occupied Pipe Length = 14.1" including union couplings

INSTALLATION GUIDANCE

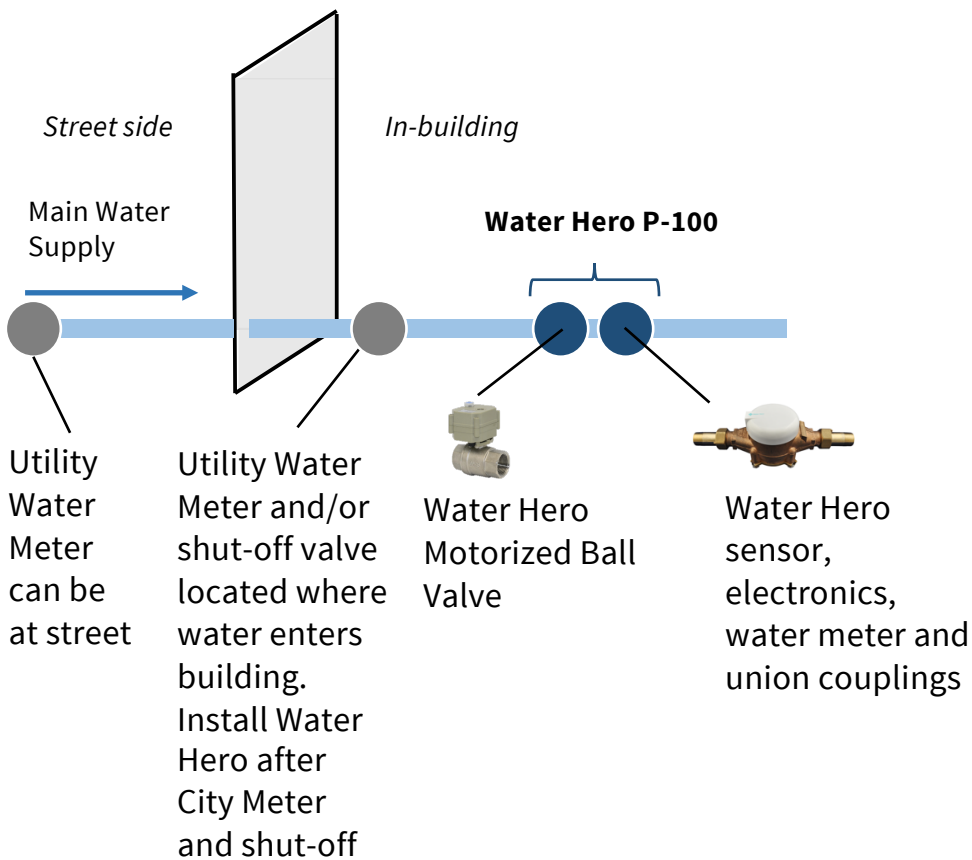
Installation typically takes approximately 1 hour and requires the following high level steps:

- Drain water after the point of installation
- Cut ~14-16" 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

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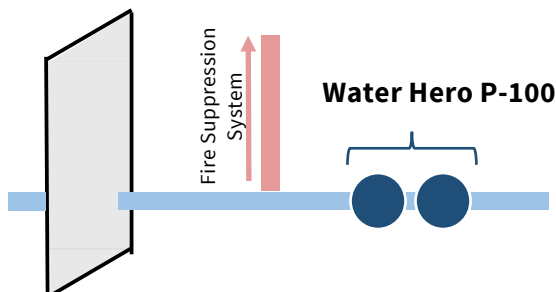


TYPICAL CONFIGURATION*



- 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
- 14" to 16" straight pipe space required

IMPORTANT INSTALLATION SAFETY CONSIDERATION*



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