PRODUCT SUBMITTAL SHEET:
WATER HERO P-100 2" FLOW
MONITOR & AUTOMATIC SHUT-OFF

WATER
SECURITY
SOLUTIONS

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:

- **Annual Fee Required for use**. **Inquire for current rates**
- 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 [unless opting for cellular option]
- Wall power for wall adapter
- Cut into pipe by plumbing contractor

HOW TO PURCHASE OR LEARN MORE

Offered in ¾", 1", 1.5", 2", 3" and 4" pipe sizes. Contact us at WSSUS.com info@wssus.com or **(888) 356-5644** for pricing information and/or questions.

COMPONENTS INCLUDED

The P-100 unit consists of five components and access to our software system. Not shown here but also included is a wall adapter and RJ45 cord

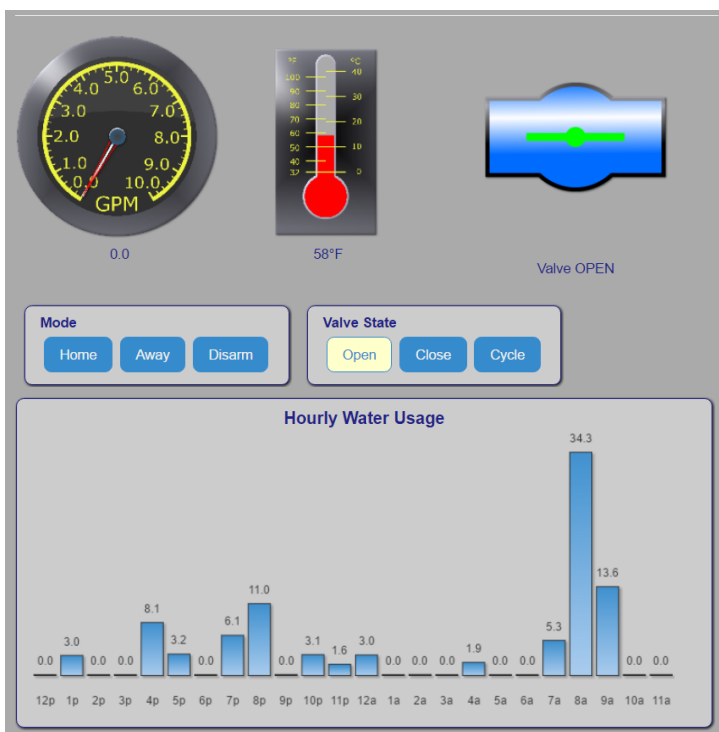**Main Board with Wi-Fi chip and state-of-the-art processor**

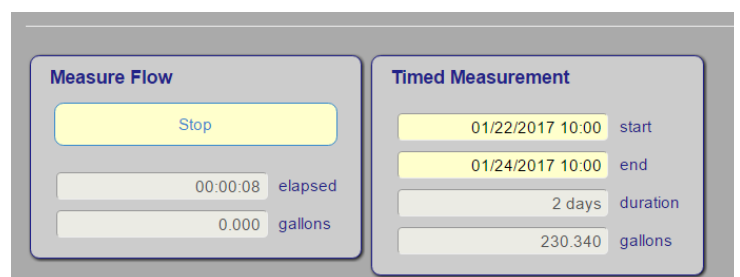**Water Hero smart electronics, brass water meter and union couplings**
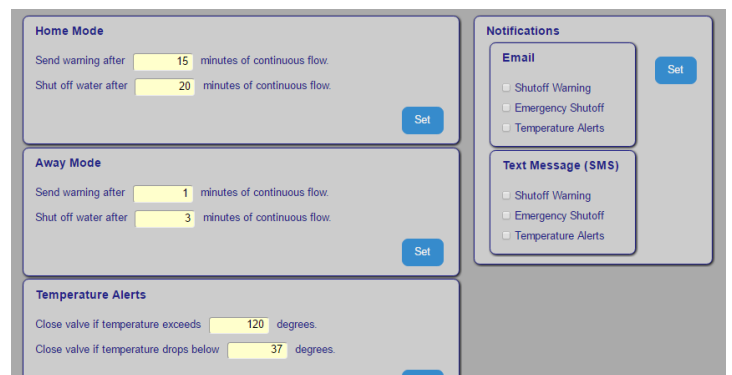

Motorized ball valve

WEB APPLICATION SCREENSHOTS

Dashboard

Measure Flow

Stop	
00:00:08	elapsed
0.000	gallons

Timed Measurement

01/22/2017 10:00	start
01/24/2017 10:00	end
2 days	duration
230.340	gallons

Historical & Measure Flow Functions

Home Mode

Send warning after 15 minutes of continuous flow.
Shut off water after 20 minutes of continuous flow.

Set

Away Mode

Send warning after 1 minutes of continuous flow.
Shut off water after 3 minutes of continuous flow.

Set

Temperature Alerts

Close valve if temperature exceeds 120 degrees.
Close valve if temperature drops below 37 degrees.

Notifications

Email

☐ Shutoff Warning
☐ Emergency Shutoff
☐ Temperature Alerts

Set

Text Message (SMS)

☐ Shutoff Warning
☐ Emergency Shutoff
☐ Temperature Alerts

Set

Alert Settings

WATER
SECURITY
SOLUTIONS

IN-LINE COMPONENT SPECIFICATIONS [2 " METER & VALVE]

SHUTOFF VALVE

- NSF Certified for Safe Drinking Water
- Body Material: 316 Stainless Steel
- Stainless Steel Gearing
- Rated for 80,000 turns
- Max Temp: 194F
- Valve Inner Diameter: 2"
- Max working pressure: 232 PSI
- Dimensions [L/H/W]: 4.75"/7.75"/5.75"

WATER METER

- NSF Certified for Safe Drinking Water
- Utility-Grade Brass
- Starting/High Flow: .75/160 GPM
- Max Working Pressure: 150 PSI
- Max Temp: 122F
- Accuracy: 97% to 103% within 2-160 GPM
- Dimensions [L/H/W]: 21.5"/8.25"/6"

Total Dimension Both = 25" Long (including union coupling tail pieces), 10" Tall and 6" Wide
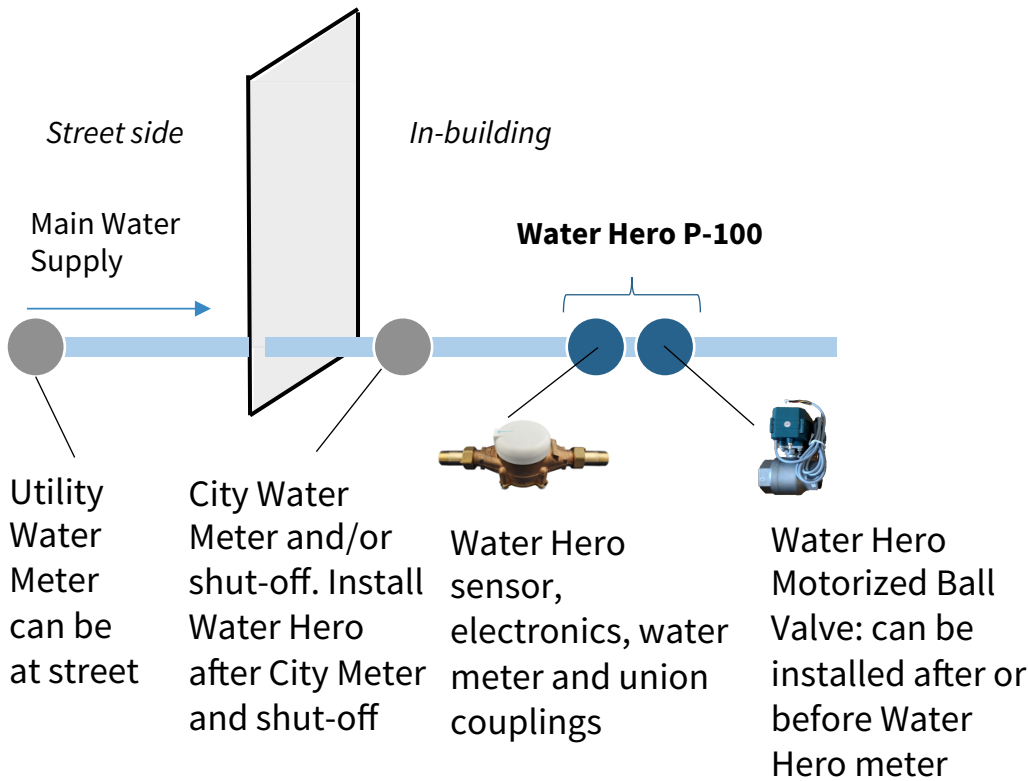
INSTALLATION GUIDANCE

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

- Drain water after the point of installation
- Cut ~25" section from the pipe where water enters the building
- Assemble and solder necessary fittings, unions, water meter and stainless steel valve into the pipe
- Connect Water Hero with existing WiFi network

TYPICAL CONFIGURATION*

Street side

In-building

Main Water Supply

Water Hero P-100

Utility Water Meter can be at street

City Water Meter and/or shut-off. Install Water Hero after City Meter and shut-off

Water Hero sensor, electronics, water meter and union couplings

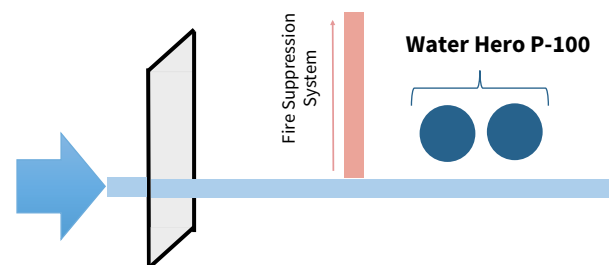Water Hero Motorized Ball Valve: can be installed after or before Water Hero meter

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

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

Fire Suppression System

Water Hero P-100

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