



# AQUASENTRY

SMART WATER SYSTEMS

## Datasheet

# Product Overview

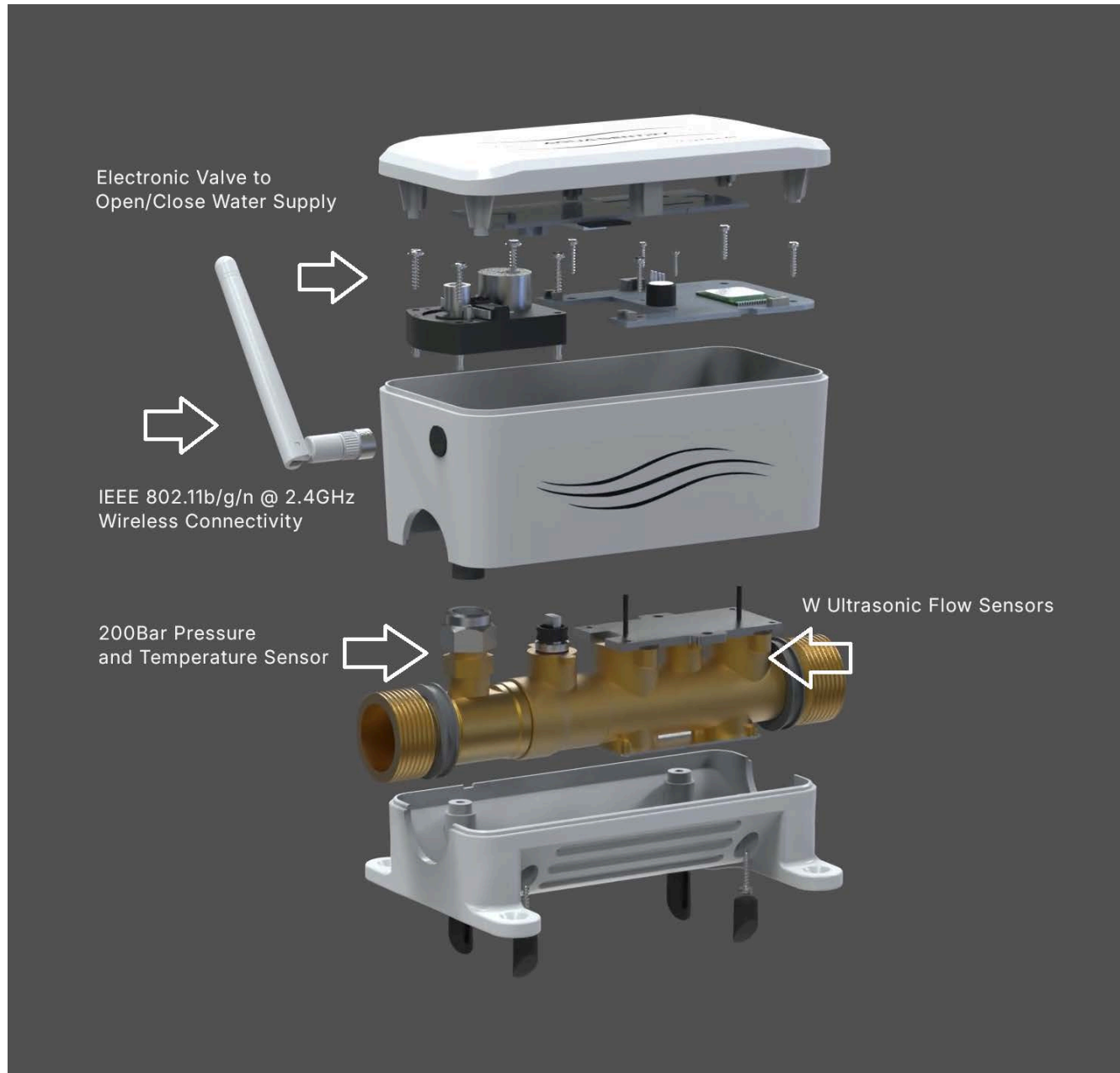
AquaSentry is a next-generation smart water monitoring and protection system designed to safeguard homes, apartments, and commercial properties from costly leaks and water damage. Built with precision ultrasonic sensors and advanced AI algorithms, AquaSentry continuously monitors water flow, pressure, and temperature in real time to detect abnormalities with pinpoint accuracy.

AquaSentry is more than just hardware—it’s powered by a robust software ecosystem that includes an intuitive mobile app and a comprehensive web-based management platform.

## Specifications

| Category                        | Specification                      |
|---------------------------------|------------------------------------|
| <b>Power &amp; Connectivity</b> |                                    |
| Adapter Input                   | 100~240V ~ 50/60Hz, 0.3A max       |
| Output                          | 5V 1.0A                            |
| Standby Power Consumption       | 0.3W                               |
| Wireless Standard               | IEEE 802.11b/g/n @ 2.4GHz          |
| <b>Plumbing Compatibility</b>   |                                    |
| Main Water Supply Line          | 1 inch                             |
| Thread Pitch/Pattern            | DN25 - 1" BSP - Metric 26/34       |
| <b>Performance</b>              |                                    |
| Water Flow Rate                 | 1" line: 0.11 ~ 34.3 gal/min       |
| Water Flow Accuracy             | 0.1 m³/min                         |
| Valve On/Off Time               | 8 seconds                          |
| Water Pressure Range            | 20-200 psi                         |
| Water Pressure Accuracy         | ±1 kPa                             |
| Water Temperature Range         | -10°C ~ 65°C (14°F ~ 149°F)        |
| Relative Humidity               | 10-80%                             |
| <b>Product Life</b>             | >90,000 hours (~10 years)          |
| <b>Environmental</b>            |                                    |
| Ingress Protection              | IPX4 Rated                         |
| Ambient Operating Temperature   | -10°C ~ 55°C (12°F ~ 131°F)        |
| <b>Physical Dimensions</b>      |                                    |
| Size                            | 195 mm (L) × 70 mm (M) × 90 mm (H) |

# Exploded View



# Dimensions

