

AQUASENTRA

SMART WATER SYSTEMS

DataSheet

UTILLAI

Product Overview

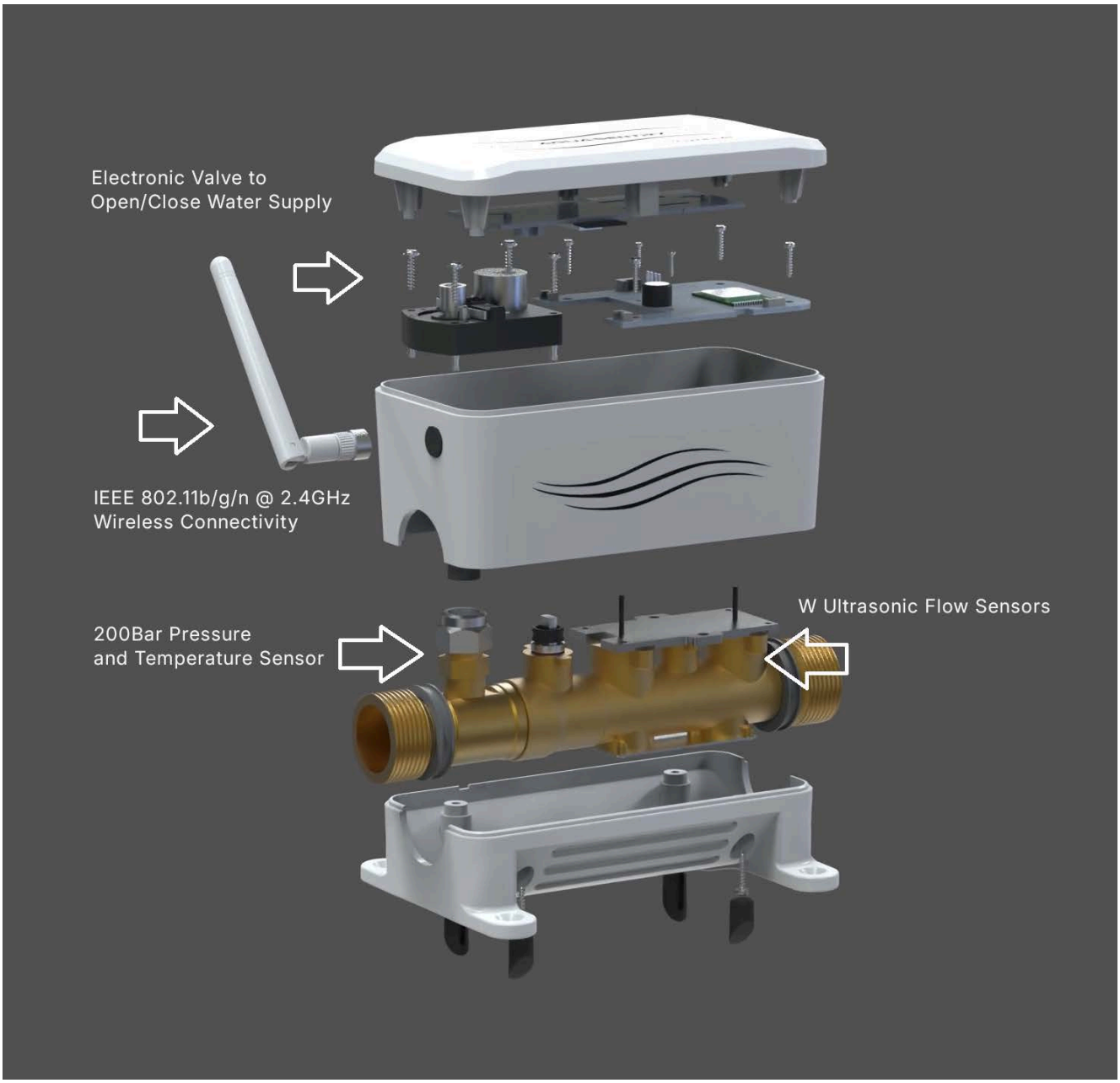
AquaSentra is a next-generation smart water monitoring and protection system designed to safeguard homes, apartments, and commercial properties from costly leaks and water damage. Built with precision ultrasonic sensors and advanced AI algorithms, AquaSentra continuously monitors water flow, pressure,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

AquaSentra 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
Power & Connectivity	
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
Plumbing Compatibility	
Main Water Supply Line	1 inch
Thread Pitch/Pattern	DN25 - 1" BSP - Metric 26/34
Performance	
Water Flow Rate	30.5 gal/min (1,830 gal/h) at ≥75 psi. Typical flow at 45 psi: 17.8 gal/min (1,070 gal/h).
Water Flow Accuracy	0.1 m^3/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%
Product Life	>90,000 hours (~10 years)
Environmental	
Ingress Protection	IPX4 Rated
Ambient Operating Temperature	-10°C ~ 55°C (12°F ~ 131°F)
Physical	
Size	195 mm (L) × 70 mm (M) × 90 mm (H)
Material	CW511L LeadFree

Exploded View



Dimensions

