

AQUA SENSE™

Smart Valve

3-POSITION REMOTE CONTROL VALVE WITH INTEGRATED AMI TRANSCIEVER

Protect your Properties from Damaging
Water Leaks with Real-Time Water
Monitoring & Remote Control

Model: AquaSense™ SV1 Smart Valve

*AQUA SENSE™ SV-1 SMART VALVE
with integrated AMR transceiver
provides 2-way communication
between the service location and
the AquaControl™ Cloud-based
web & mobile applications.*

FEATURE HIGHLIGHTS

- On-Valve analytics monitor at the edge for anomalies to send alerts and immediately close the valve to prevent flooding and property damage
- Support resident/occupant billing with accurate, real-time water consumption data
- Reduce operating expense through conservation
- Communicate using LoRaWan, LTE, Bluetooth, Z-Wave or Wifi
- Easily and effectively submeter
- Aquana Web & Mobile Applications, Cloud API for 3rd party Apps

PRODUCT DESCRIPTION

Three Valve Positions

Every AquaSense has 3 valve positions (OPEN, CLOSED, REDUCED FLOW), is NSF61 certified with a lead-free brass body, stainless steel ball valve, and is available in common residential pipe sizes.

Leak and Burst Protection

On-valve configurable leak and burst protection can provide flow-based detection, with immediate notification and automatic shutoff capabilities for constant flow and high flow conditions.

AMR Transceiver

The integrated AMR transceiver supports either pulse or encoded output meters, via 2 or 3-wire serial cable, to collect, store, and transmit meter readings at user configurable check-in intervals.

Power Options

AquaSense Smart Valve indoor model can be powered by either AC-power with on-valve battery backup, or by battery only. The battery is replaceable.

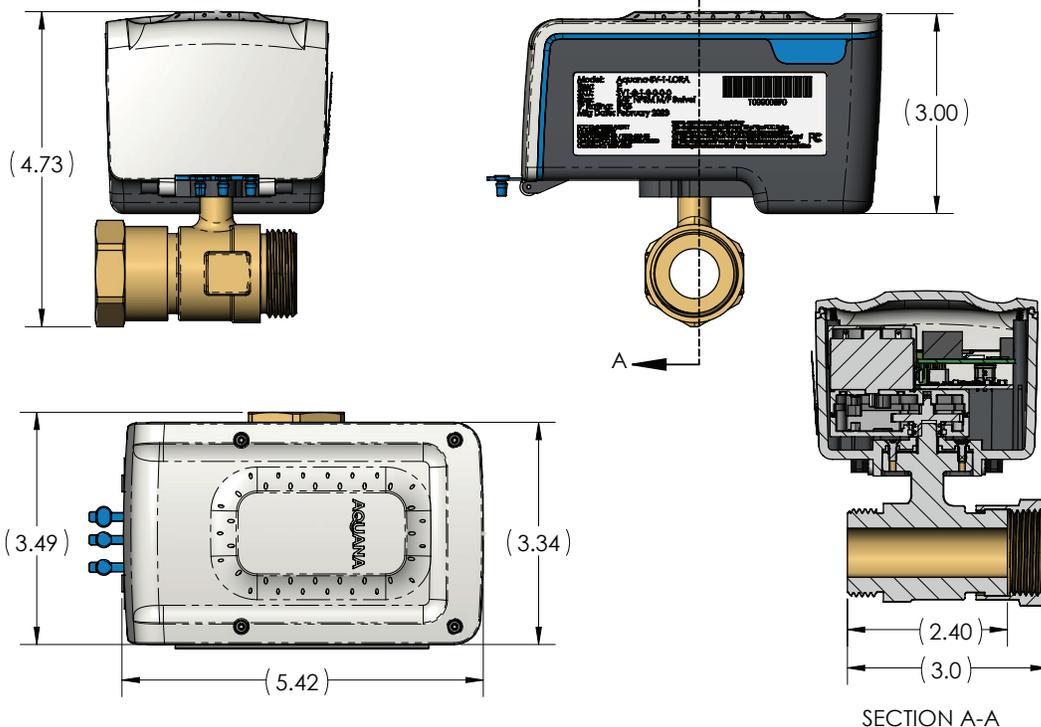
Smart Design & Easy Installation

The custom designed cable harness ensures the case is IP50 rated. Thread both AC power and/or meter cable through the inserts to create a water tight gasket seal around the cable. Screw down wires to the terminal block, attach the lid, and the device is ready.

MATERIALS & SPECIFICATIONS

Valve Positions	Three Position: Open, Closed, Reduced
Valve Body Material	Lead-free Stainless Steel Ball with Brass Body
Case Material	Estaloc 59300
Communication Interface	LoRaWAN (US915) Bluetooth for local control using Aquana Mobile App (iOS/Android)
Max Operating Pressure	150psi
Operating Temperature	-22°F - 140°F (-30°C-60°C)
Min/Max Water Temperature	Min: 32.1°F (0.5°C) Max: 140°F (60°C)
Ratings/Certifications	FCC/IC, NSF61/Leadfree, IP50
Power Specifications	Input: 12vDC 1A; supplied by external power supply 100-240V, 50/60Hz, 0.5A Internal Power: 3.6V Lithium metal battery included (replaceable)
Warranty	10-year limited warranty (5 year full replacement, 5 year prorated)
Meter Support	Pulse and Encoded Meters, Configurable Read Interval
Weight	2.2 lbs. (1kg) - Depending upon pipe size

DIMENSIONS



PIPE SIZES

1/2" (DN15)

3/4" (DN20)

1" (DN25)

Note: The valve design provides the shortest lay length possible for tight fitting service locations at 2.40 and can be installed at any orientation.