

## 3-POSITION REMOTE DISCONNECT VALVE WITH INTEGRATED AMI ENDPOINT

REMOTELY DISCONNECT, RECONNECT, OR REDUCE FLOW TO YOUR SERVICE LOCATIONS FROM THE COMFORT AND SAFETY OF YOUR OFFICE



AquaFlow™ Integrated-AMI Valve

AquaFlow™ smart valve with integrated AMI endpoint provides two-way communication between the service location and our AquaControl™, our Cloud-based web & mobile applications, supporting either Cellular LTE-M or LoRaWAN remote connectivity.

### FEATURE HIGHLIGHTS

Remotely disconnect, reconnect, or reduce flow to service locations

Meter Agnostic, Modular Design

3-Position Ball Valve

Male-Female Swivel Nut Valve Body

Cellular LTE-M or LoRaWAN Remote Comms

IP68 Rated for Submersion

Aquana Web & Mobile Applications

Aquana Cloud API for 3rd Party Apps

### PRODUCT DESCRIPTION

#### AMI Integrated

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

#### Three Valve Positions

AquaFlow supports three valve positions (OPEN, CLOSED, REDUCED FLOW). Position Reduced Flow is configured for trickle flow at 1-2GPM (60psi) for utilities that do not wish to fully disconnect water service.

#### Leak Protection

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

#### Easy Install with Swivel Nut

Each residential size valve is designed with NPSM threaded male and female swivel nut (5/8"x1/2", 3/4", 1"). This allows easy installation directly to meter. Each valve body is NSF61/lead-free certified with a brass body and stainless steel ball.

#### AquaControl™ Water IoT Platform

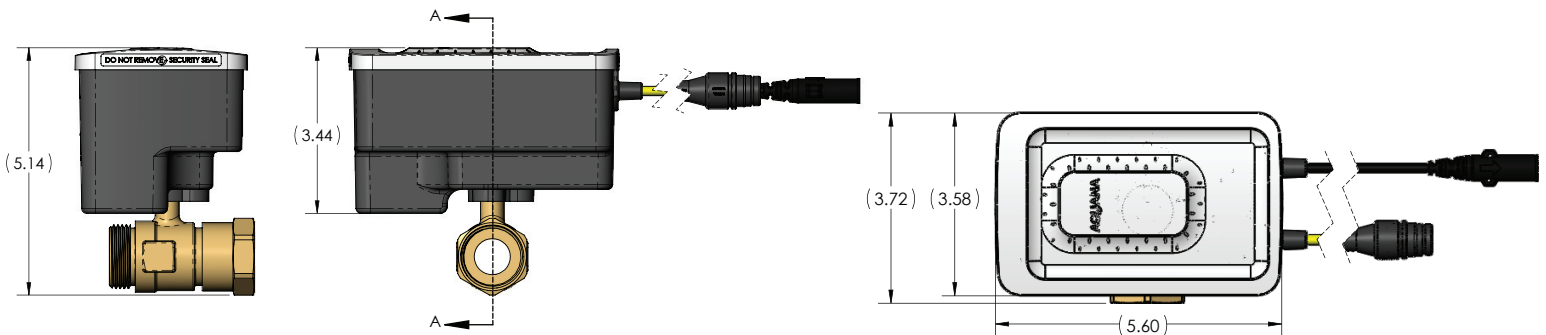
Through our web app, mobile app and Cloud API, AquaControl™ enables valve control and meter data management either directly or through any 3rd party CIS, MDM or other application.

## MATERIALS & SPECIFICATIONS

Valve Positions	Three Position: Open, Closed, Reduced-1 (1-2GPM)
Valve Body Material	Brass Body with Stainless Steel Ball
Case Material	Ultradur B4300 G2
Communication Interface	LTE-M (AT&T or Verizon), LoRaWAN (US915) Local real-time 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	32.1°F (0.5°C)   Max Water Temp: 140°F (60°C)
Humidity	0-90% relative humidity (non-condensing)
Ratings/Certifications	NSF61/Leadfree, IP68
Power	3.6V C-Cell Lithium Metal Battery
Battery Life	10-15 years (based on default check-in & 2 position changes per month)
Warranty	20-year limited warranty (10 year full replacement, 10 year prorated)
Meter Support	Pulse and Encoded Meters with Extended Alarms

## DIMENSIONS

Model	Valve Bore Size (in.)	Connection Size (in.)	Threads	Valve Lay Length	Height	Width
SV2 5/8"x1/2"	5/8"	3/4" NPSM	M/F Swivel	2.4"	5.14"	3.72"
SV2 3/4"	3/4"	1" NPSM	M/F Swivel	2.4"	5.14"	3.72"
SV2 1"	1"	1 1/4" NPSM	M/F Swivel	2.874"	6.30"	4.03"



Meter cable shown above is an option for the AquaFlow valve when reading a meter is desired.

## SOLUTIONS FOR A SMARTER FUTURE

Specifications subject to change at sole discretion of Aquana, LLC.