

AQUAFLOW™

Smart Valve



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

Model: AquaFlow™ SV2 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.

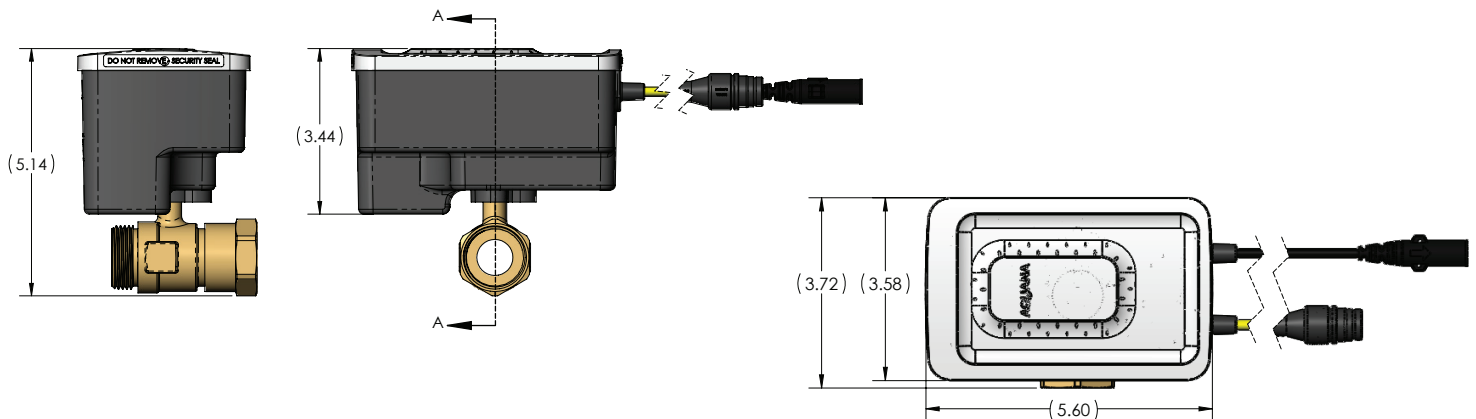


MATERIALS & SPECIFICATIONS

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

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