

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 2-way communication between the service location and 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.

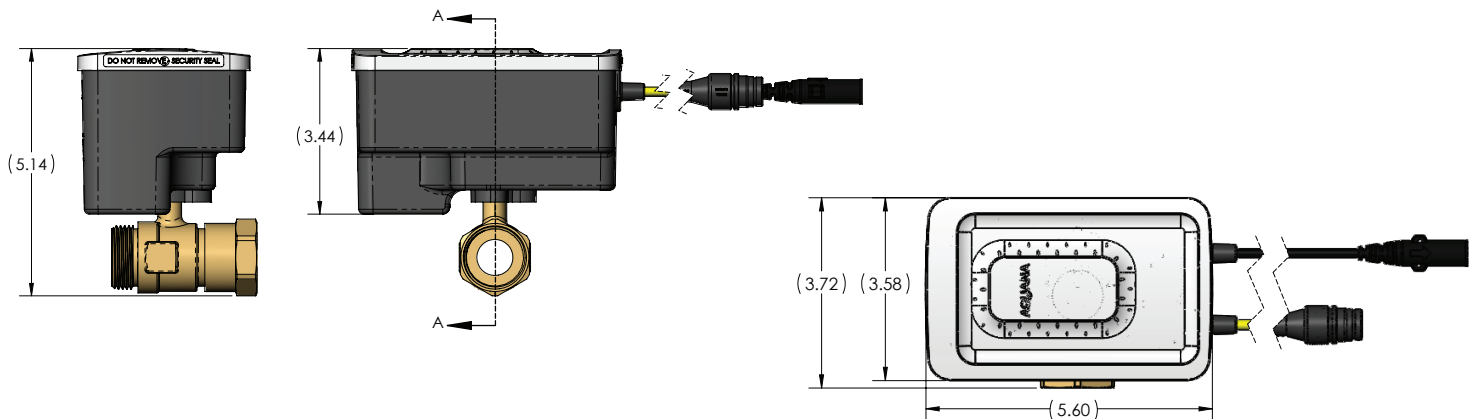


MATERIALS & SPECIFICATIONS

| | |
|---------------------------|---|
| 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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