



# Ball Valve Servo

The BVS is a motor to retrofit existing and installed ball valves into smart water controlling devices. Its wireless communication capabilities are compatible with the Z-Wave industry standard for easy integration into existing networks. The motor is powered by a 12 V external power supply or - optional – a battery block.

The variable clamps allow mounting even in complex pipe installations, the patented motor coupling ensures easy installation and precise long-term operation. The device can operate in difficult environmental conditions, even submerged under water and allows to directly connect one additional local water sensor pad by cable.



### Simple, Tools-Free.

Snap on Just snap on and turn 2 knobs  
Done in 10 seconds!



**Smart Adaptive Torque Control** to protect motor, valve and pipe for long term operation



### Optional Backup Battery

Universal 12 V power allows integration or low voltage power supply



### Elbow proof

BVS can be installed on pipe elbows by adjustable clamps position



### Outdoor Proof

(Recommend to use with outdoor power adapter -sold separately)

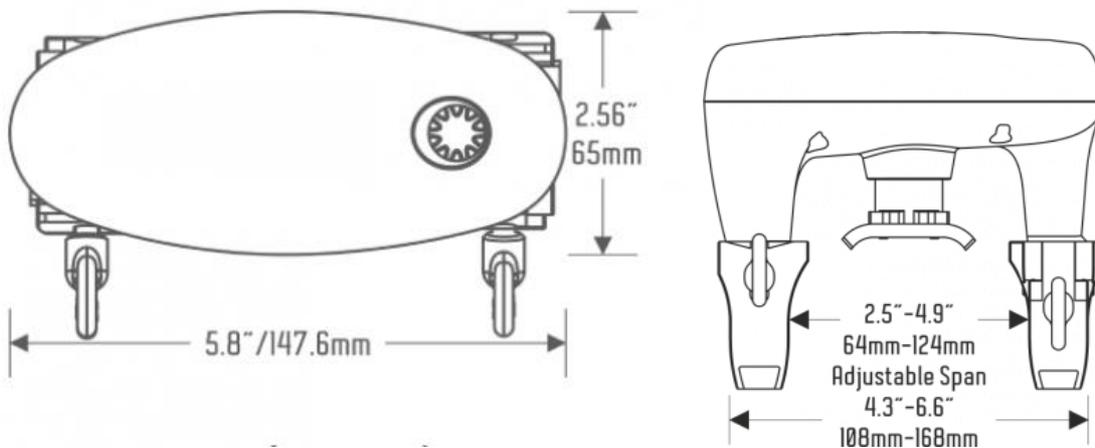


### Integrated Water Detection Probe and Freeze Detection

Works Offline



## Dimensions:



## Technical Data:

- SKU: BVSZWE, EAN: 489705830030
- Power Supply: 12 V / 1 A external power supply (part of shipment)
- Max Driving Force: 6 Nm
- Valve Control: Full open/Close, any position in between down to 1 % stepping
- Controls and interfaces:
  - Tree Color LED (red, yellow, green)
  - Single button for pairing, unpairing, local operation and alarm clearing
  - Jack to plug-in external water sensor pad for local loop operation.
- Installation:
  - Pipe Valves: ½ inch ... 1 ¼ inch
  - Inter Clamp Clearance: 64 ... 124 mm user adjustable
  - Install on elbows: 99 %, connection bar for close elbow available on demand
  - Outdoor Use: IP67 (to power supply coupling)
- RF Communication Z-Wave
  - Radio Chip: Series 700
  - Standard: Z-Wave Plus V2
  - Frequency: 868...869 MHz
  - Range: 60 ... 140 m (depends on gateway)
  - Communication Security: Z-Wave S2 based on AES 128 and DHKE
- Dimensions and Shipment:
  - Weight: 800 gr.
  - Dimension of Packaging 236 x 179 x 114 mm
  - Gross Weight: 1147 gr
  - Product per Carton: 12
  - UN Customs Tariff: 85011093900
- Environmental Conditions:
  - Shipment and Storage: -65 °C ... 100 °C
  - Operation: - 30 °C ... 80 °C

