

Ball Valve Servo



SKU: BVSZWE01

Quick-Start

This is a secure wireless **Z-Wave Water Valve Motor Servo**. For wireless operation it requires a Z-Wave capable gateway supporting European frequencies. To **add the device, click the button three times in a row**. Success is **indicated by a green blinking LED**. Complete the adding (inclusion) by following the instructions for the gateway. This device supports Z-Wave Smart Start. Please scan the QR Code on the device label before adding if your gateway supporting Smart Start.

Product Description

The BVS is a motor to retrofit existing and installed ball valves into smart water controlling devices. The motor is powered by a 12 V external power supply or - optionally – a battery block.

The variable clamps allow mounting the device 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 directly connecting one additional local water sensor pad by cable.

The device can operate in two modes:

Stand-Alone: No further wireless connectivity is needed. A single click on the button opens and closes the valve. Clicking the button during open or close operation stops movement. The next click will continue the operation. Escaping water is detected by the external sensor pad and the valve it shut off accordingly. The button on the device allows clearing the alarm. Device in factory reset state operate in stand-alone mode without further configuration.

Z-Wave Network Mode: The device is added to a Z-Wave network as Z-Wave Binary Switch Device. Adding can be achieved using Smart Start or Classical Z-Wave Inclusion. All functions of the Stand-Alone mode remain active. Leakage or Temperature Alarms are forwarded to the Z-Wave Gateway and other Z-Wave device are able to control the motor.

For the complete manual please refer to www.aqua-scope.com

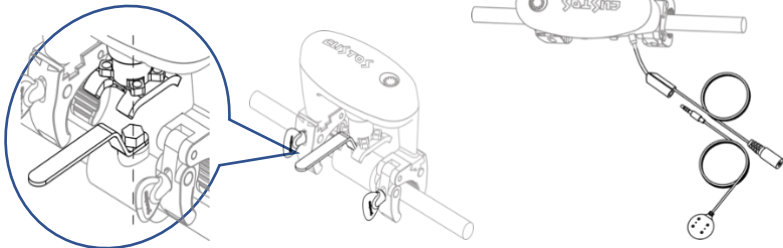
Calibration

Whenever the device is powered or repowered it will do a calibration run first. To start the calibration just hit the button once. You will witness some movements of the handle and after 10...20 seconds the device is ready to operate.

Calibration requires that the BVS is mounted to a ball valve. The device will detect if no valve is present and stop calibration. In this case the operation of the handle (both by button and by wireless command) is disabled.

Installation

1. Make sure the power is disconnected.
2. Choose the right size of the fork according to the size of the valve handle.
3. Make sure the two tightening knobs and the handle face opposite direction (handle must have clearance to move)
4. Tighten clamps with hands while holding down the BVS.
5. If needed – unplug the dust cover and connect the local Water Sensor Probe.
6. Connect the DC Power Adapter to the power wire coming from the BVS and tighten the water seal.
7. Plug in the power adaptor into 230 V power socket.



Support and Contact

Should you encounter any problem, please give us an opportunity to address it before returning this product. Please check our website www.aqua-scope.com and particularly the support section for answers and help. You can also send a message to info@aqua-scope.com

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Declaration of Conformity

Aqua-Scope Technology OÜ, Sakala 7-2, 10141 Tallinn, Republic of Estonia. The radio emitting device works on frequency 868...849 MHz with output power of 4 dBm. (2.5 mW)



Български С настоящото Aqua-Scope Technology OÜ декларира, че този тип радиосъоръжение BVSZWE е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: www.aqua-scope.com/ce

Čeština Tímto Aqua-Scope Technology OÜ prohlašuje, že typ rádiového zařízení BVSZWE je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: www.aqua-scope.com/ce

Dansk Hermed erklærer Aqua-Scope Technology OÜ, at radioudstyrstypen BVSZWE er i overensstemmelse med direktiv 2014/53/EU. EUoverensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: www.aqua-scope.com/ce

Deutsch Hiermit erkläre Aqua-Scope Technology OÜ, dass der Funkanlagentyp BVSZWE der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EUKonformitätserklärung ist unter der folgenden Internetadresse verfügbar: www.aqua-scope.com/ce

Eesti Käesolevaga deklareerib Aqua-Scope Technology OÜ, et kesolev raadioseadme tp BVSZWE vastab direktiivi 2014/53/EL nutele. Eli vastavusdeklaratsiooni tielik tekst on kttesaadav jrgmisel internetiaadressil: www.aqua-scope.com/ce

English Hereby, Aqua-Scope Technology OÜ declares that the radio equipment type BVSZWE is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.aqua-scope.com/ce

Español Por la presente, Aqua-Scope Technology OÜ declara que el tipo de equipo radioeléctrico BVSZWE es conforme con la Directiva 2014/53/UE. El texto completo de la declaracin UE de conformidad está disponible en la direccin Internet siguiente: www.aqua-scope.com/ce

Ελληνικά Με την παρούσα ο/η Aqua-Scope Technology OÜ, δηλώνει ότι ο ραδιοεξοπλισμός BVSZWE πληροί την οδηγία 2014/53/EE. Το πλήρες κείμενο της δήλωσης συμμόρφωσης EE διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: www.aqua-scope.com/ce

Français Le soussigné, Aqua-Scope Technology OÜ, déclare que l'équipement radioélectrique du type BVSZWE est conforme la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible l'adresse internet suivante: www.aqua-scope.com/ce

Hrvatski Aqua-Scope Technology OÜ ovime izjavljuje da je radijska oprema tipa BVSZWE u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: www.aqua-scope.com/ce

Italiano Il fabbricante, Aqua-Scope Technology OÜ, dichiara che il tipo di apparecchiatura radio BVSZWE conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformit UE disponibile al seguente indirizzo Internet: www.aqua-scope.com/ce

Latviešu Ar šo Aqua-Scope Technology OÜ deklarē, ka radioiekārta BVSZWE atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: www.aqua-scope.com/ce

Lietuvių Aš, Aqua-Scope Technology OÜ, patvirtinu, kad radijo įrenginių tipas BVSZWE atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo adresu: www.aqua-scope.com/ce

Magyar Aqua-Scope Technology OÜ igazolja, hogy a BVSZWE típus rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EUMegfelelésségi nyilatkozat teljes szövege elérhető a következő internetes címen: www.aqua-scope.com/ce

Malti B'dan, Aqua-Scope Technology OÜ, niddikjara li dan it-tip ta' tagħmir tar-radju BVSZWE huwa konformi madDirettiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformit tal-UE huwa disponibbli f'dan l-indirizz talInternet li ġej: www.aqua-scope.com/ce

Nederlands Hierbij verklaar ik, Aqua-Scope Technology OÜ, dat het type radioapparatuur BVSZWE conform is met Richtlijn 2014/53/EU. De

volledige tekst van de EUconformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: www.aqua-scope.com/ce **Polski** Aqua-Scope Technology OÜ niniejszym oświadcza, że typ urządzenia radiowego BVSZWE jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: www.aqua-scope.com/ce **Português** O(a) abaixo assinado(a) Aqua-Scope Technology OÜ declara que o presente tipo de equipamento de rádio BVSZWE está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: www.aqua-scope.com/ce **Română** Prin prezenta Aqua-Scope Technology OÜ declară că tipul de echipamente BVSZWE este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: www.aqua-scope.com/ce **Slovensko** Aqua-Scope Technology OÜ potvrdjuje, da je tip radijske opreme BVSZWE skladen z irektivom 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: www.aqua-scope.com/ce **Slovensky** Aqua-Scope Technology OÜ týmto vyhlasuje, že rádiové zariadenie typu BVSZWE je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: www.aqua-scope.com/ce **Soumi** Aqua-Scope Technology OÜ vakuuttaa, että radiolaitetyyppi BVSZWE on direktiivin 2014/53/EU mukainen. EUvaatimusten mukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: www.aqua-scope.com/ce **Svenska** Härmed försäkras Aqua-Scope Technology OÜ att denna typ av radioutrustning BVSZWE överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EUförsäkran om överensstämmelse finns på följande webbadress: www.aqua-scope.com/ce