

Installation Guide

VA4200WZ
VA4201WZ

Smart Water Valve

zigbee 3.0



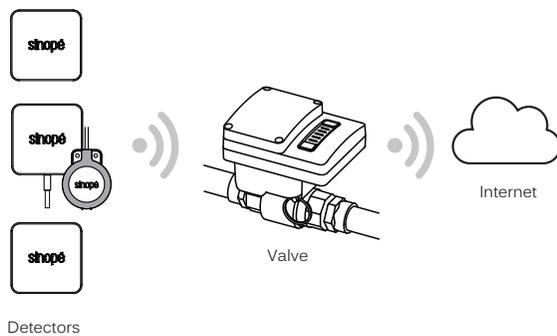
Wi-Fi

sinopé

Selection of Operating Mode

Your valve can operate in two different operating modes. The "Leak Supervisor" mode is preferred if you do not have a Zigbee-compatible gateway.

Option A – Wi-Fi Leak Supervisor Mode

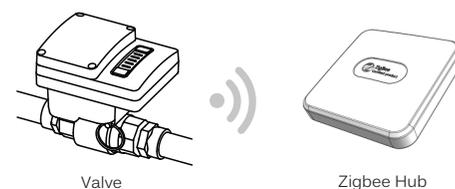


In "Leak Supervisor" mode, the leak detectors send a closing signal to the valve to automatically shut off the main water supply as soon as a leak is detected.

The valve is connected to the Internet through a Wi-Fi network and acts as a supervisor for the Sinopé water leak detectors. Once the leak is detected, you receive an e-mail or text message notifying you of the source of the leak and the closing of the main water supply.

The valve must be plugged into an outlet for non-stop protection. Add 4 AAA lithium batteries to the valve to ensure its operation in the event of a power outage. The batteries provide protection in case of failure for up to 24 hours.

Option B – Zigbee Network Mode



Select this mode only if you already have a Zigbee-compatible gateway and want to integrate the valve into your network.

The connection through the Wi-Fi network is then disabled.

Although it is possible to add 4 AAA lithium batteries to operate the valve in the event of a power failure, the integrity of the operation depends on your Zigbee gateway.

Option A – Wi-Fi Leak Supervisor Mode



Remove the valve cover by unscrewing the 4 screws with a flat screwdriver.

Make sure that the mode switch is set to "1".



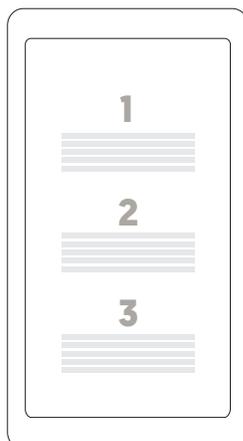
Download the free Neviweb app on your device from the AppStore or Google Play*.



Connect your Sinopé smart water leak detectors by referring to the Sinopé smart water leak detectors "Installation Guide".



Connect the valve to an electrical outlet, using the supplied adapter, near where it will be installed. By doing so, you will validate the range of the Wi-Fi communication between the valve and your network.



Open the app and log into your Neviweb account or create an account. Follow the steps to add a device.



WARNING

Although each unit is pre-tested at the factory, it is strongly recommended that you test the valve before installation to ensure proper operation in your home.

*It is also possible to operate the valve without an Internet connection. However, you will not be notified when a water leak is detected.

Option B – Zigbee Network Mode

To connect the valve to your Zigbee compatible system, refer to its instruction manual.



①

Set the mode switch to "3".

②



④

Press the "A" button to associate the valve with the Zigbee network.

Light	Status
Green light blinks	Device is connecting
Green light lit for 10 s	Successful connection
Red light blinks	Connection has failed*

③

Connect the valve to an electrical outlet, using the supplied adapter, near where it will be installed. By doing so, you will validate the range of the Zigbee communication between the valve and your network.



WARNING

Although each unit is pre-tested at the factory, it is strongly recommended that you test the valve before installation to ensure proper operation in your home.

* Refer to the "Support" section of our Website at www.sinopetech.com.

Installation of the Smart Water Valve

Make sure the valve is in the "OPEN" position before proceeding with the installation.

Separate the controller from the ball valve:

- Remove the pin
- Tilt the controller back and slide it backwards

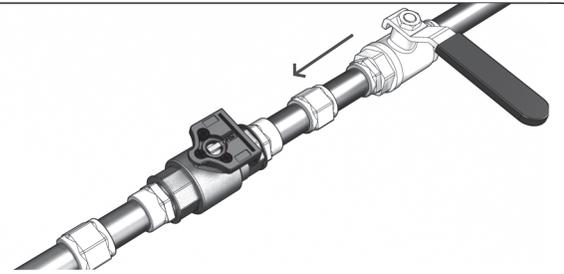


①

Close the main water supply. Open the hot and cold faucets near the main water supply to reduce the water pressure.

Remove the valve safety caps.

②



Install the smart water valve just downstream of the main water shut-off valve. Depending on your plumbing, additional fittings may be required (not included).

WARNING

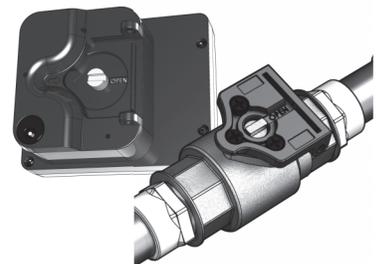
The installation of this valve should be performed by a certified professional in conformity with local and national construction codes. The valve closes with sufficient force to cut a finger. ALWAYS keep your fingers away from the ball valve.

Open the main water supply to make sure there are no leaks.

⑦

④

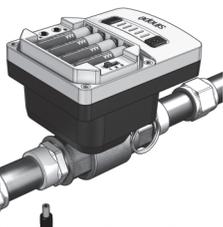
Before replacing the controller, make sure that both the valve and controller are in the "OPEN" position.



Power the valve using the AC adapter.

To add an emergency power supply in the event of a power failure, insert 4 AAA lithium batteries (not included).

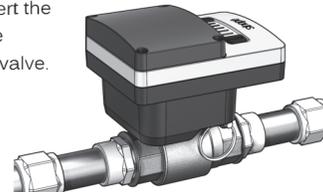
IMPORTANT : Do not insert the batteries before the valve is installed to your main water supply and powered by the supplied adapter.



⑥

⑤

Put the controller back in place and insert the pin to secure the controller to the valve.



Technical Specifications

Operating temperature: 0 °C to 40 °C (32 °F to 104 °F)

Storage: -20 °C to 50 °C (-4 °F to 122 °F)

Valve body: stainless steel

Controller base: fiberglass reinforced

Maximum pressure: 200 PSI

Maximum torque: 2.5 N.m

Closure time: 10 seconds

Power supply: 5 V / 5 W (included)

Emergency power supply: 4 AAA lithium batteries (not included)

Degree of protection provided: IP65

Certification: CSA B125.3-12

Zigbee 3.0 profile

Frequency: 2.4 GHz

Transmission power: +20 dBm

Receiver sensitivity: -108 dBm

Diameter

VA4200WZ: ¾ in NPT x ¾ in NPT

VA4201WZ: 1 in NPT x 1 in NPT

Indoor installation only.

Protect your belongings and avoid the inconvenience caused by water damage

Combine this product with the Sinopé smart water leak detectors so that your main water supply is closed as soon as a leak is detected.



Transmitter module IC: 22394-ZBM1501/ FCC ID: 2AK2T-ZBM1501

This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device does not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Consult the dealer or an experienced radio/TV technician for help.

3-year limited warranty

SINOPÉ TECHNOLOGIES INC. warrants the components of their products against defects in material and workmanship for a 3-year period from the date of purchase, under normal use and service, when proof of purchase of such is provided to the manufacturer. If at any time during the warranty period the product is determined to be defective, SINOPÉ TECHNOLOGIES INC. will replace it. This warranty does not cover any transportation costs that may be incurred by the consumer. Nor does it cover a product that has been improperly installed, misused or accidentally damaged. The obligation of SINOPÉ TECHNOLOGIES INC., under the terms of this warranty, will be to supply a new unit and this releases the manufacturer from paying the installation costs or other secondary charges linked to replacing the unit or the components. The manufacturer shall not be liable for incidental, consequential, or special damages arising at, or in connection with product use or performance. This warranty does not cover damages or loss caused by defects, and the owner's use of the SINOPÉ TECHNOLOGIES INC. product confirms the understanding that this product does not constitute an insurance policy, and is only a product used to reduce the risk of water damage.

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www.sinopetech.com

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