

sinopé



Smart Water Valve [2nd generation]

VA4220ZB

Compatible with



GT130 gateway



VA4220WF valve*

*Acts as a secondary valve to the main water valve VA4220WF



■ FEATURES

- Remote access and control of the main water supply through smartphones and tablets*
- Option to add a back-up power supply to the valve for ongoing operation
 - AAA lithium batteries (not included): up to 24 hours
 - Uninterruptible power supply [ACUPS-01]: up to 24 hours
 - Batteries + uninterruptible power supply: up to 48 hours
- Self-testing system ensures proper operation at all time throughout the life of the device
- Possibility to open and close the valve manually
- Removable controller allowing the manual valve to be left in place if a part is replaced
- The valve automatically shuts off the water when the smart home ecosystem reports a leak.

*Remote access requires a permanent Internet connection and your Zigbee platform app.

** **IMPORTANT:** Your Wi-Fi router and Zigbee Gateway must be connected to an Uninterruptible Power Supply (UPS) so that the valve closes as soon as a leak is detected by a Sinopé water leak detector (not included).

■ COMMUNICATION

Protocol: Zigbee 3.0

Frequency: 2.4 GHz

Transmission power: +20 dBm

Receiver sensitivity: -108 dBm

■ STANDARDS

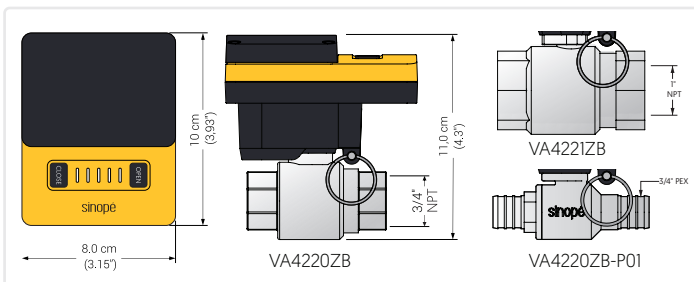
Complies with CSA B125.3-12 Plumbing fittings

Complies with CSA B125.14 (only for VA4220ZB-P01)

EU RoHS 2 tested valve body [Directive 2011/65 / EU]

NSF/ANSI61 compliant

NSF372 compliant (only for VA4220ZB-P01)



- Link your water leak detectors with the GT130 gateway to automatically close the valve*
- View battery status directly in the app
- Create automations in the app so that Sinopé's connected devices react when water is detected**
- Use the Zigbee valve as a secondary valve to the main VA4220WF valve if there is a 2nd water inlet

* **IMPORTANT:** In the event of a power failure, the signal between the water leak detector and your Zigbee gateway will only be possible if you add an uninterruptible power supply. Without this, the shut-off signal cannot reach the valve. For optimum protection even in the event of a power failure, the Sedna VA4220WF-K5 water damage protection system is the ideal choice.

** Available only with Sinopé Zigbee devices (requires GT130 gateway).

■ TECHNICAL SPECIFICATIONS

Diameter

- VA4220ZB: 3/4 in NPT x 3/4 in NPT

- VA4220ZB-P01: 3/4 in PEX x 3/4 in PEX [PEX Type B]

- VA4221ZB: 1 in NPT x 1 in. NPT

Valve body

- VA4220ZB: Stainless steel, lead-free

- VA4220ZB-P01: C46500 brass, lead-free, nickel [exterior]

Controller base: Fiberglass reinforced

Ball valve: Full port valve

Maximum pressure

- VA4220ZB: 145 PSI

- VA4220ZB-P01: 150 PSI

Maximum torque

- VA4220ZB: 2.5 N.m.

- VA4220ZB-P01: 1.0 N.m.

Power supply: 5V / 5W (included)

Backup power supply: 4 AAA lithium batteries (not included) and/or uninterruptible power supply (not included)

Operating temperature

- VA4220ZB: 0°C to 40°C [32°F to 104°F]

- VA4220ZB-P01: 1°C to 40°C [34°F to 104°F]

Maximum water temperature: 85°C [185°F]

Storage: -20°C to 50°C [-4°F to 122°F]

Warranty: 3 years

*Indoor installation only



T: 450.741.7700
TF: 1.855.741.7701

sinopetech.com - sales@sinopetech.com
Saint-Jean-sur-Richelieu, Qc, Canada