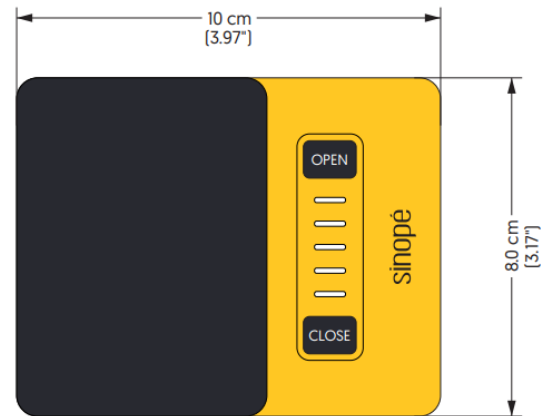
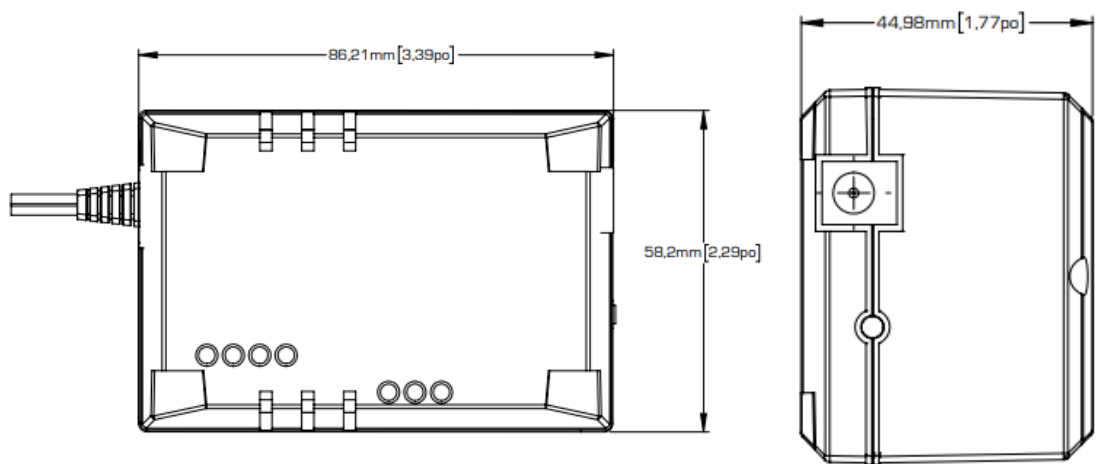


Sedna Mesh main valve actuator**Wi-Fi****ACT4220WF-M-UPS**

FCC and IC certifications



Complies with EN62040-2

Complies with EN61000-3-2

Complies with EN61000-3-3

Specifications

Type	<ul style="list-style-type: none">• Sedna Mesh Wi-Fi valve actuator with durable and robust glass-fiber reinforced base
Color	<ul style="list-style-type: none">• Yellow and black
Power supply	<ul style="list-style-type: none">• 5V / 5W (included)<ul style="list-style-type: none">◦ Power cable length: 10 ft.◦ Requires nearby 120V outlet• Back-up power supply: self-recharging UPS (uninterruptible power supply) for up to 24 hours' autonomy included• 4 AAA lithium batteries can be added for an extra 24 hours of autonomy in the event of a power failure lasting more than 24 hours
Transmission	<ul style="list-style-type: none">• Wi-Fi Mesh transmission ("Sedna Mesh")<ul style="list-style-type: none">◦ Remote communication via the Wi-Fi Mesh network deployed by the GT4220WF-M gateway◦ IEEE 802.11 b/g/n @ 2.4 GHz• Zigbee Transmission• Local communication via Zigbee communication protocol (main valve actuator acts as Zigbee / Wi-Fi Mesh gateway for home)<ul style="list-style-type: none">◦ Zigbee 3.0 profile◦ Frequency: 2.4 GHz◦ Transmission power: +20 dBm◦ Receptor sensitivity: -108 dBm◦ Encryption key: AES-128
Closing time	<ul style="list-style-type: none">• 6.5 to 7 seconds
Motor	<ul style="list-style-type: none">• Highly durable carbon brush motor
Diameter	<ul style="list-style-type: none">• Compatible with ¾" and 1" diameter Sinopé ball valves
Temperature ranges	<ul style="list-style-type: none">• Operating temperature: 1 °C to 40 °C (34 °F to 104 °F)• Storage: -20 °C to 50 °C (-4 °F to 122 °F)
Maximum torque	<ul style="list-style-type: none">• 2.5 N.m.
Installation	<ul style="list-style-type: none">• Compact design for easy access once installed• Install the actuator over the ball valve and insert the pin to secure it• Install the ASC (uninterruptible power supply) between the 120V power supply and the actuator

Device operation

- Closing of the main water inlet as soon as a leak is detected by the associated Sinopé Zigbee detectors*
- Sends alerts in the event of water detection, risk of frost, low battery (if batteries have been added)**.

Features

- Remote control of the water supply by the building manager via a secure centralized management platform available on computer, smartphone and tablet** (also possible by the end user via the Neviweb app at the building manager's discretion)
- Manual open/close control directly on the valve
- Self-testing system to ensure proper operation at all times

Warranty

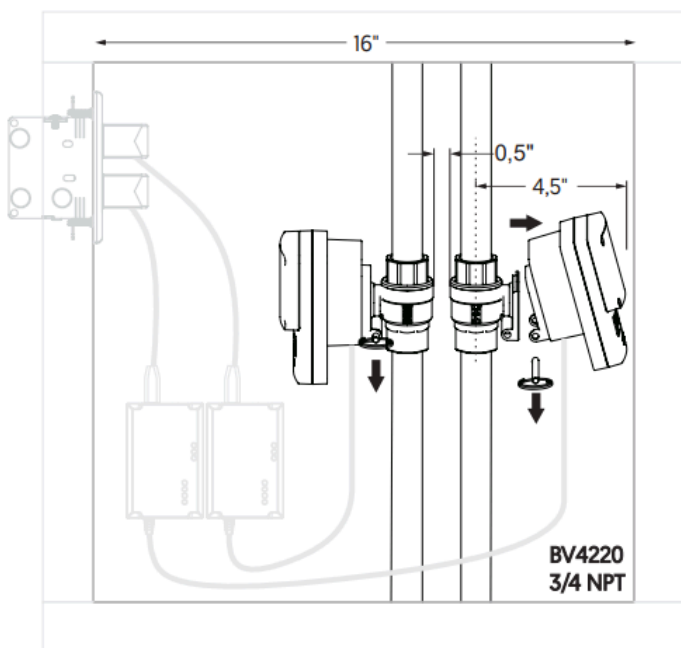
- 3 years

*Requires Sinopé mesh water leak detectors.

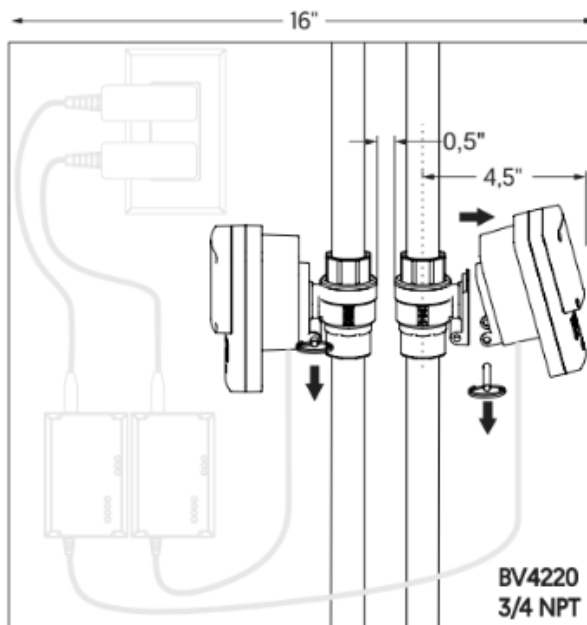
**Remote access and alerts require a GT4220WF-M Sinopé Sedna Mesh gateway with permanent wired Internet connection (one gateway for up to 100 Main Valve Actuators) and the Sinopé Smart Systems paid platform.

Recommended installation diagrams for Sinopé ball valves (not included)

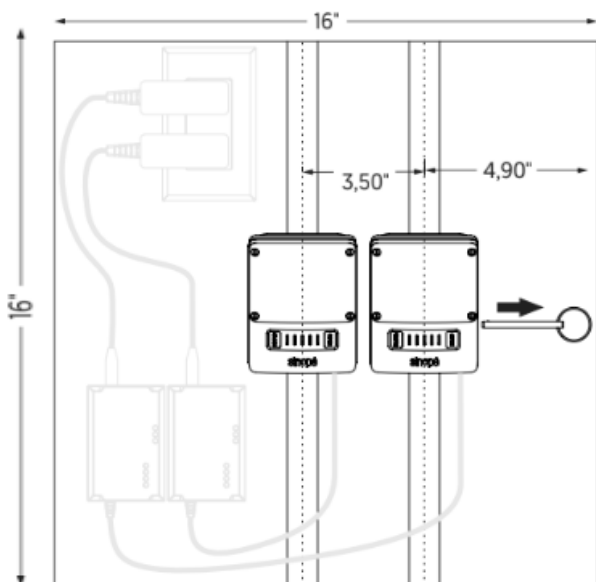
- ☐ Case 1: Electrical supply on the side, (depth required: minimum 3.17"), *example with 3/4" NPT ball valve*



- ☐ Case 2: Electrical supply on back wall (depth required: minimum 3.17" + depth of electrical outlet), *example with 3/4" NPT ball valve*



- ☐ Case 3: Side-by-side valves
(required depth: minimum 4.54" + possibly if necessary, the depth of the electrical outlet)



Model

No. product	Description	Qty
ACT4220WF-M -UPS	Sedna Mesh Wi-Fi main valve actuator	

Specifications are subject to change without notice

The signature certifies that the installation complies with the above installation diagrams.

	Designation	Profession	Signature
Project's name:			
Address:			
Promotor:			
Builder:			
Consulting engineer:			
Contractor #1:			
Contractor #2:			
Contractor #3:			
Date:			