

DESCRIPTION

- A motorized valve for a home's main cold-water line. While water flows, it holds the home's pressure at a set point. It also shuts off large leaks, protects the piping from freezing and relieves thermal expansion.

OPERATION

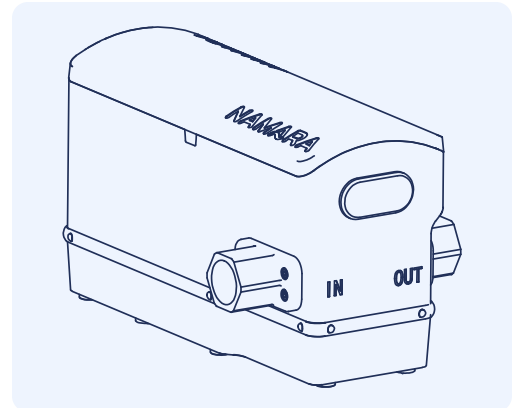
- **Set points while water flows:** Max Savings 40 psi, Normal 50 psi or Max Performance 60 psi. New units start on Normal.
- **No water flowing:** the valve rests open and the home is at the supply pressure. It is not a pressure-reducing valve.
- **Large-leak shut-off:** closes the supply when water runs without a break for longer than a set volume.
- **Nightly leak check:** starts between 2:00 and 4:00 AM in the home's time zone; the valve is closed for about 20 minutes.
- **Freeze protection:** warns as the inlet water nears freezing. If it keeps cooling, it shuts the water off and drains the home's piping through the relief drain line. Works offline.
- **Thermal-expansion relief:** opens at 79 psi (545 kPa) on the home side when no water is in use, and discharges through the relief drain line.
- **By text message:** the homeowner picks a setting, gets alerts and can shut the water off by texting Namara (Drippy). Texting APP sends a personal link to a web page with live readings and the same controls as the texts. No app to download; no display, lights or buttons.
- **Power outage:** keeps regulating on its backup battery for about 24 to 36 hours (estimate), with leak and freeze protection on, and texts the household after 5 minutes without power.
- **Hand operation:** after a complete failure, the valve turns by hand with the supplied 5/16 in. nut driver.

WATER

- **Service:** cold potable water only.
- **Connections:** female 1 in. NPT brass adapters fitted at both ends; fits 3/4 in. to 1-1/2 in. main lines with standard fittings.
- **Static supply pressure:** 30 to 78.9 psi (207 to 544 kPa). The unit does not operate below 30 psi continuous inlet pressure.
- **Pressure-reducing valve:** required upstream; set it to 70 psi (483 kPa), never above 78.9 psi (544 kPa).
- **Maximum working pressure:** 150 psi (1034 kPa).
- **Straight pipe:** 8.5 in. (216 mm) minimum.
- **Relief outlet:** 1/8 in. NPT male; drain line required, not supplied.
- **Wetted brass castings:** C87850.

POWER AND CONNECTIVITY

- **Rated input:** 120 V~, 60 Hz, 0.5 A.
- **Power cord:** 2.0 m (6.56 ft), type SJTW (rated for outdoor use), 16 AWG, NEMA 5-15P plug.
- **Backup battery:** LiFePO₄, 12.8 V, 5 Ah, 64 Wh. The first battery is supplied; it will need replacing during the unit's life.
- **Wi-Fi:** 802.11 b/g/n, 2.4 GHz only (5 GHz is not supported), U.S. channels 1 to 11; internal antenna.



INTELLIGENT WATER INFRASTRUCTURE

Namara Variable Flow Controller

Whole-home pressure control, leak shut-off and freeze protection

Model: N10000271

UPC 860016622906

CERTIFICATION STATUS

As of 27 Oct 2026

NSF/ANSI/CAN 61 (Section 8) and 372:

listing application filed with IAPMO R&T, September 2026; test samples at the lab. Not yet listed.

UL 1951: listing planned; not yet listed.

FCC Part 15 Subpart B, Class B (the FCC's limits for home devices):

tested and found to comply; supplier's declaration of conformity issued. Radio: certified module, FCC ID 2AC7Z-ESPS3WROOM1U.

No certification mark or listing is claimed until it is issued.

WARRANTY

5-year warranty. Full terms at namarawater.ai/manual.

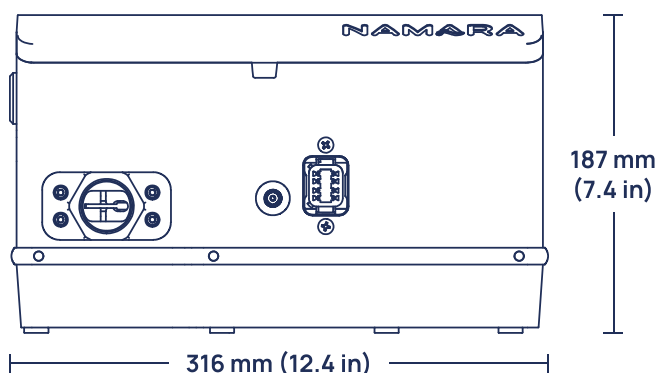
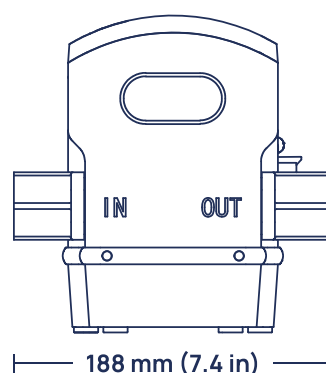
INSTALLATION NOTES

- Installed by a licensed plumber who is a Namara Certified Installer, following the installation guide in the user manual. No homeowner installation.
- On the main cold-water supply line: after the water meter, the main shut-off valve and the pressure-reducing valve, and before the branch lines that serve the home.
- A pressure-reducing valve is required upstream: set it to 70 psi (483 kPa), never above 78.9 psi (544 kPa). Static supply at the unit 30 to 78.9 psi.
- At least 8.5 in. (216 mm) of straight pipe; horizontal or vertical, either direction, with IN toward the supply.
- Indoors or outdoors; indoors where freezing occurs. Not where it can be submerged. Ambient 0 to 60 °C (32 to 140 °F).
- A grounded 120 V receptacle within reach of the 2.0 m (6.56 ft) cord, GFCI-protected where code requires it, including outdoors, with a weatherproof in-use cover outdoors. No extension cord or plug adapter.
- Relief drain line (not supplied): 1/8 in. minimum, the size of the relief outlet; rubber, copper or PVC where local code allows. Suggested: drain it through an air gap, the way a water filtration system's drain does. Where it runs and empties is the installer's decision, under local code.
- Wi-Fi: needs to connect to the home's main 2.4 GHz Wi-Fi network. A phone hotspot or guest network with a sign-in page is not acceptable for installation or extended use. Signal at the unit: 3 bars (-70 dBm or better) is the target; 2 bars (-75 dBm) works; at 1 bar (-75 to -80 dBm) the network is saved with a warning and an extender is recommended; under -80 dBm it is refused.
- The unit weighs about 9 kg (20 lb); whether it needs support is the plumber's decision. No bracket is supplied.
- After mounting, remove the small rubber weep-hole plugs that face down, so water can drain out if the unit ever leaks inside.
- Keep the lid, battery cover, hand-operation plug, power connector and relief outlet accessible.

DEVICE RESTRICTIONS

- For cold potable water only; never on a hot-water or non-potable line.
- Do not install where an unexpected loss of water supply could create a hazard, such as a supply to water-dependent medical equipment.
- A fire sprinkler system supplied from the domestic water line must branch off upstream of the unit.
- Not a pressure-reducing valve or a backflow preventer. Does not replace the water heater's T&P relief valve. It is the home's thermal-expansion control: the plumber removes the expansion tank or puts a shut-off valve on it.

CRITICAL DIMENSIONS (DO NOT SCALE)



Body depth
130 mm (5.1 in)

Unit weight
about 9 kg (20 lb)

Dimensions in mm (in), from drawing N10000303 Rev 3.

Included with product: the unit, with the backup battery fitted but disconnected (the installer connects it before plugging in the power cord) and brass adapters (female 1 in. NPT) fitted at both ends (x1); power cord, type SJTW, 2.0 m (6.56 ft), NEMA 5-15P plug (x1); 5/16 in. nut driver, clipped under the lid, for turning the valve by hand after a failure (x1); printed card with packing list, quick start and a QR code to the online manual (x1). No mounting, plumbing or drain fittings are included.

Shipping carton: one unit per carton, 430 × 360 × 320 mm (16.9 × 14.2 × 12.6 in); gross weight 9.81 kg (21.6 lb).