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## Customer service

See "Troubleshooting" section to solve minor problems before calling service support.

If you need service support, be sure to have the following data (found on the data plate) available when calling your Bluewater dealer:

- Model
- Product number
- Serial number

## Environment information



The water purifier is more efficient when purifying water for longer periods. Example: Filling several liters of mineral water or purified water is more efficient per liter than filling just one liter at a time.



Appliances bearing this symbol must be deposited at the designated local reception point for the disposal of electrical and electronic equipment.



This product may not be disposed of using the normal household refuse collection processes.

Hereby, Bluewater Sweden AB, declares that the radio equipment type MP001 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: <https://www.bluewatergroup.com/documents/>

Operating frequency: 2440 MHz

Output power: Max 2.5mW

# SAFETY

## Safety instructions

Before you install or operate the device, you must read the safety information. Obey the instructions in this manual to prevent injuries, or damage to the equipment. This manual contains CAUTIONS and NOTES that are applicable for the safe operation of the device.

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 A CAUTION symbol identifies conditions that can cause damage to the equipment. DO NOT USE device unless all cautionary conditions listed below have been understood and met.

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 A NOTE symbol identifies important information for trouble-free and optimal use of the device.

## Safety information

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 This device can be used by children aged 8 years and above, and by persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge, if they have been given supervision or instruction about the use of the device in a safe way and understand the hazards involved.

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 Children shall not play with the device.

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 Cleaning and user maintenance shall not be made by children without supervision.

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 Always disconnect the device from the power supply before changing the Mineral Storage Container or doing maintenance.

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 If the device is damaged or malfunctions, turn it off, disconnect it from the power supply and contact your dealer.

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 Do not attempt to open or service the device yourself. Service must be done by the manufacturer, service agent, or similarly qualified personnel using only original Bluewater spare parts.

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 Use the power adapter provided with the system to plug directly and firmly into an appropriate electrical outlet. Refer to the rating label on your device.

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 Connect the power adapter to a waterproof electrical outlet.

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 The device shall only be used with power supply model GQ24-120225-AG (Type F-plug) or GQ24-120225-AB (Type G-plug).



The device shall only be supplied at extra low voltage corresponding to the markings on the device.

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Use only an external power supply with the following specifications: 12VDC, 2.25A.

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Ensure that the power cable and the adapter are not at risk of getting damaged. To avoid hazard, a damaged power cable or adapter must always be replaced by the manufacturer, service agent, or similarly qualified person.

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Do not alter the power plug or adapter in any way. If the plug does not fit into the outlet, contact qualified personnel to install the proper outlet.

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Install according to "Installation Guide". Installation of the device must comply with all applicable local plumbing codes and regulations. Plumbing must be done by an approved plumber. Contact your Bluewater dealer if you have questions. Bluewater, as the manufacturer, has no responsibility for water purifier installations.

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Do not submerge the device in water.

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Install the Dosing Pump and the power adapter in way that ensures that they cannot get wet.

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# PRODUCT OVERVIEW

## Dosing Pump

The Bluewater Dosing Pump is an accessory to the Bluewater Mineralizer. The Dosing Pump adds Bluewater Minerals to the purified RO water while dispensing the water in Mode 2 or Mode 3. These modes are accessible through the Control Box.

### Dosing Pump outside

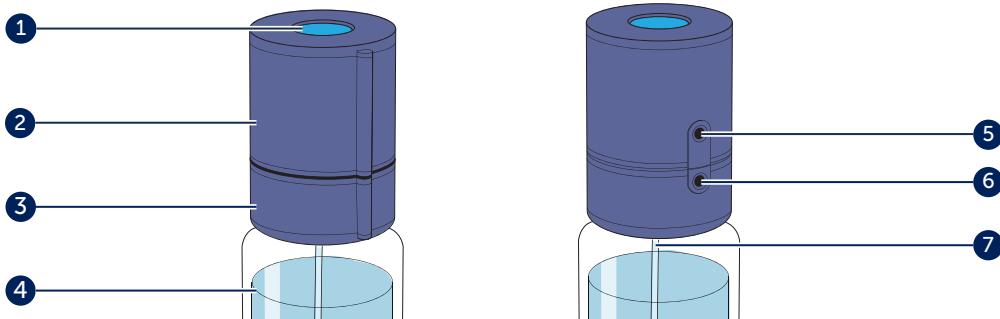


Figure 1. Dosing Pump outside

| Pos | Description               | Pos | Description                      |
|-----|---------------------------|-----|----------------------------------|
| 1   | LED indication and button | 5   | Power connection                 |
| 2   | Doser                     | 6   | Mineral output tubing connection |
| 3   | Pump                      | 7   | Mineral inlet tubing             |
| 4   | Mineral storage container |     |                                  |

### Included components

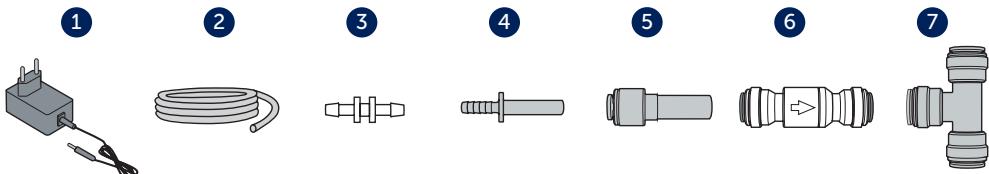


Figure 2. Included components

| Pos | Description                              | Pos | Description                         |
|-----|------------------------------------------|-----|-------------------------------------|
| 1   | 12V adapter                              | 5   | John Guest Stem Reducer, 3/8" -1/4" |
| 2   | Silicon tube                             | 6   | John Guest Check valve 3/8"         |
| 3   | Silicon tube connector                   | 7   | John Guest Tee 3/8"                 |
| 4   | John Guest tube to hose stem 3/8"- 3/16" |     |                                     |

## Dosing Pump interface



Figure 3. Dosing Pump interface

| Light | Description                                                                               |
|-------|-------------------------------------------------------------------------------------------|
|       | OFF<br>The Dosing Pump is not connected to power.                                         |
|       | Blue<br>The Dosing Pump is connected to power.                                            |
|       | Rotating blue<br>The Dosing Pump is dosing (adding minerals to water).                    |
|       | Blinking blue<br>The Dosing Pump is ready to be paired with the Control Box.              |
|       | Green<br>The Dosing Pump button has been pressed, and the Dosing Pump is manually dosing. |
|       | Dim blue<br>The Dosing Pump is ready to be re-paired with the Control Box.                |

# SYSTEM OVERVIEW

## System description

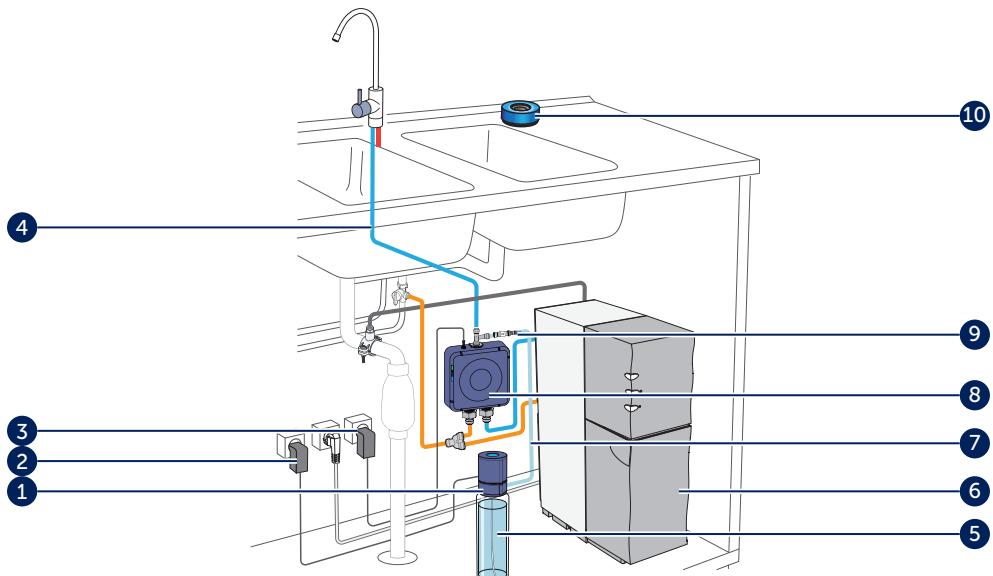


Figure 4. System overview

| Pos | Description               | Pos | Description                       |
|-----|---------------------------|-----|-----------------------------------|
| 1   | Dosing Pump               | 6   | Water purifier                    |
| 2   | Dosing Pump adapter       | 7   | Silicon Dosing Pump tubing        |
| 3   | Control Box adapter       | 8   | Control Box                       |
| 4   | Water outlet (to faucet)  | 9   | Mineral Tubing One-way T-Coupling |
| 5   | Mineral storage container | 10  | Bluewater O                       |

## Installation

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Bluewater recommends using the Bluewater Arc Faucet or a compatible free-flowing, open, unrestricted faucet. If using a standard RO faucet instead, be sure to fully open the faucet before beginning to fill your water container. This will help ensure unrestricted water flow. Backpressure created from a partially closed faucet or a restricted aerator may prevent the Dosing Pump from dosing properly.

When installing the Dosing Pump, ensure that the silicon tubing is carefully routed so that it cannot be impinged upon, sharply bent, or crushed. Any restrictions in the tubing may prevent the Dosing Pump from dosing properly.

We recommend only Bluewater-approved technicians, distributors, or Bluewater service personnel perform installation, servicing, and repairs on Bluewater devices using only Bluewater-approved parts. If not performed adequately, this can make it operate incorrectly, and lead to injury, and damage not covered by warranty.

For complete installation instructions, refer to the "Dosing Pump" Complete User manual" at [www.bluewatergroup.com](http://www.bluewatergroup.com). "HOW TO INSTALL" guides are also available for installing, programming, and setting up the Control Box, Dosing Pump, and Bluewater O.

 Mode 2 requires a Bluewater O be paired to the system.

## Technical information

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 For more detailed technical information, see [www.bluewatergroup.com](http://www.bluewatergroup.com).

| Parameter              | Dosing Pump             |
|------------------------|-------------------------|
| Size WxDxH [mm (inch)] | 75x82x110 (2.9x3.2x4.3) |
| Weight [g (lbs)]       | 360 (0.8)               |
| Power supply           | 12 VDC, 2.25A           |
| Operation frequency    | 2440 MHz                |
| Output power [mW]      | Max 2.5                 |

# MAINTENANCE

## Clean the Dosing Pump

Do not use chemicals to clean the surface. Alcohol, petrol, organic and inorganic acids, or strong basic chemicals (such as concentrated dishwashing detergent) will cause damage to the surface.

 Do not use hard, sharp, or abrasive tools to clean the device.

| Step | Action                                                                                                      |
|------|-------------------------------------------------------------------------------------------------------------|
| 1    | Clean the outer surface with a soft, moist cloth and a weak soap solution to remove dust, stains, and dirt. |
| 2    | Dry with a soft, dry cloth.                                                                                 |

## Regular maintenance

 Regular maintenance is important for correct function and long-term operation. We recommend only Bluewater-approved service personnel perform maintenance and repairs.

| Frequency | Description                                                                                                             |
|-----------|-------------------------------------------------------------------------------------------------------------------------|
| Daily     | Check that the Dosing Pump is on. The Glass button should be shining blue.                                              |
|           | Ensure there is Mineral Extract in the bottle that is attached to the Dosing Pump.                                      |
|           | Ensure there are no air bubbles in the silicon tubing.                                                                  |
| Weekly    | Wipe off dust from the device.                                                                                          |
| Monthly   | Check connections to ensure that there is no water or mineral solution leakage.                                         |
|           | Wipe off condensation from the outside of the device.                                                                   |
| Yearly    | Test the purified water every year. If the purified water is not clean, do not drink it. Contact your Bluewater dealer. |

# TROUBLESHOOTING

## How to solve minor problems

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 If the Bluewater Dosing Pump stops due to an emergency, disconnect from power and connect again.

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 For more severe problems, see the collection of Complete User manuals on [www.bluewatergroup.com](http://www.bluewatergroup.com).

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| Symptom                                                            | Cause                                                                                     | Solution                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Blue light is OFF.                                                 | No electricity to the Dosing Pump                                                         | Ensure that the AC/DC adapter is correctly plugged into the electrical outlet and the power cord is correctly inserted into the Dosing Pump electrical connection. If there is no Blue light, disconnect the Dosing Pump from power and reconnect it. If the problem persists, contact Bluewater support. |
| Dosing Pump is not dosing.                                         | The Control Box is in the wrong mode.                                                     | Follow the "Mode programming setup" procedures in the Control Box Owner's manual and "Dosing Pump HOW TO INSTALL guide" and reprogram to the correct mode.                                                                                                                                                |
|                                                                    | The Dosing Pump is not paired to the Control Box.                                         | Follow the pairing instructions in the provided "Dosing Pump HOW TO INSTALL" guide.                                                                                                                                                                                                                       |
| Dosing Pump will not pair with the Control Box.                    | Poor connection quality                                                                   | Place the Dosing Pump closer to the Control Box and try pairing again. Different materials, e.g., metal, can affect the connection quality if placed between the Control Box and Dosing Pump. If the problem persists, contact Bluewater support.                                                         |
| Water is running at the faucet, but the Dosing Pump is not dosing. | Dosing Pump is paired to Control Box, but there is a weak connection.                     | Place the Bluewater Dosing Pump closer to the Control Box and try again. Different materials, e.g., metal, can affect the connection quality if placed between the Control Box and Dosing Pump. If the problem persists, contact Bluewater support.                                                       |
|                                                                    | The Mineral Extract bottle is empty.                                                      | To order a replacement bottle of mineral solution, contact your Bluewater dealer.                                                                                                                                                                                                                         |
|                                                                    | Air bubbles in the mineral outlet tubing.                                                 | Press the top button and hold it after it turns green. This is for manual dosing and priming. Keep the button pressed until there are no bubbles in the tubing.                                                                                                                                           |
|                                                                    | There is a vacuum in the Mineral Extract bottle.                                          | Unscrew the Dosing Pump from the mineral solution bottle and then screw it back on.                                                                                                                                                                                                                       |
| The Dosing Pump is not dosing, and the top button is a dim blue.   | The Dosing Pump has been previously paired to this Control Box and needs to be re-paired. | Press the top button to pair the dosing pump to the Control Box. See the provided "Dosing Pump HOW TO INSTALL" guide for pairing procedures.                                                                                                                                                              |

## Warning

To assure continued compliance, any changes or modifications not expressly approved by the party. Responsible for compliance could void the user's authority to operate this equipment.

## FCC Statement

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: 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.

## FCC Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.