Point-of-Use Water Dispenser
Setup Manual

Model No.: CLPOU520UVRO4

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Safety Information

WARNING: To reduce risk of injury and property damage, you must read this entire manual before assembling, installing, and operating the dispenser.

WARNING: This product dispenses water at very high temperatures. Failure to use properly can cause personal injury. When operating this dispenser, always exercise basic safety precautions, including the following:

- Prior to use, this dispenser must be properly assembled and installed in accordance with this manual.
- For indoor use only. Keep the water dispenser in a dry place away from direct sunlight. Do NOT use outdoors.
- Install and use only on a hard and level surface.
- Do NOT place the water dispenser in an enclosed space or cabinet.
- Do NOT operate the dispenser in the presence of explosive fumes.
- Only use properly grounded outlets.
- Do NOT use an extension cord.
- Always grasp the plug and pull straight out from the outlet. Never unplug by pulling on the power cord.
- Do NOT use the dispenser if the power cord becomes frayed or otherwise damaged. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.
- Do NOT immerse the power cord, plug, or any other part of the dispenser in water or other liquids to protect against electric shock.
- Ensure the water dispenser is unplugged prior to cleaning.
- Never allow children to dispense hot water without proper and direct supervision. Always enable the child safety lock feature to prevent unsupervised use by children.
- Service should be performed only by a certified technician.
- Do NOT clean the dispenser with a water jet. Do NOT install in an area where a water jet could be used.

WARNING: Keep ventilation openings in the dispenser enclosure or in the built-in structure clear of obstruction.

WARNING: Do NOT use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

- This dispenser should work under environmental temperatures from 39–104 °F (4–40 °C) and humidity ≤90%.
- Never turn the dispenser upside down or lean it more than 45°.
- After turning off the red heating switch and the green cooling switch, allow the dispenser to sit idle for 3 minutes before turning on again.

WARNING: UV light source. Disconnect the electrical supply to the UV radiation BEFORE opening cover.

- UV-LED lamp must be repaired by manufacturer only.
- UV-LED lamp model no. VTWP-RH35P-M17A, rated DC12V/24V, 0.8W.
- Disposal of the UV-LED lamp must be done in accordance with local laws and regulations.

WARNING: Designed for use with 120V AC power only. DO NOT use with 220V outlet.

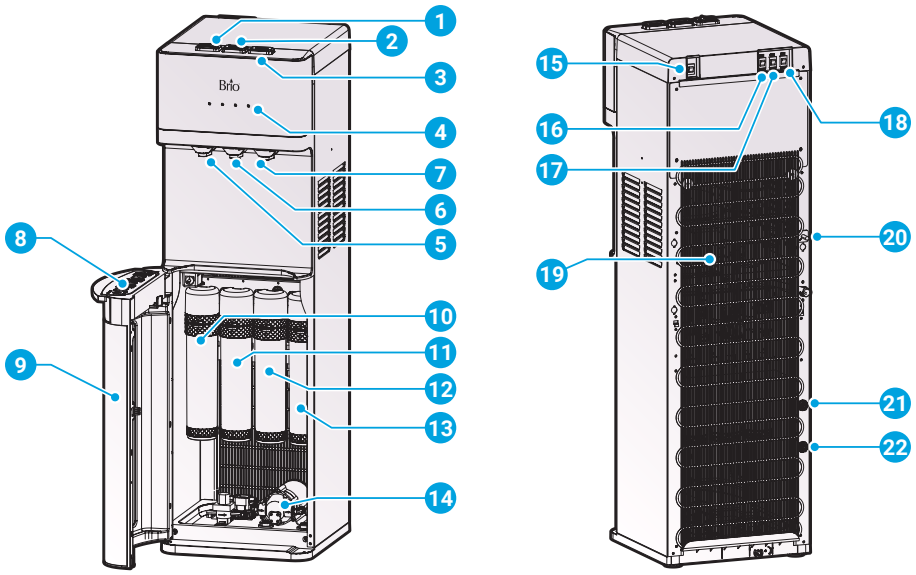
Intended Use

This dispenser is intended to be used in household and similar applications such as:

- Staff kitchen areas in shops, offices, and other working environments
- Farm houses
- Hotels, motels, and other types of residential environments
- Bed-and-breakfast type environments
- Catering and similar non-retail applications

This dispenser is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Product Features



Part	Description
1	Hot water button
2	Room temperature water button
3	Cold water button
4	Indicator panel
5	Hot water tap
6	Room temperature water tap
7	Cold water tap
8	Drip tray
9	Dispenser cabinet
10	Sediment filter
11	Pre carbon filter

Part	Description
12	Reverse osmosis (RO) filter
13	Post carbon filter
14	RO pump
15	Filter reset switch
16	Night light switch
17	Cooling switch
18	Heating switch
19	Condenser
20	Drain outlet
21	Water inlet
22	RO water outlet

Indicator Panel Description

1. Power/Self cleaning indicator – When illuminated, indicates that the dispenser is on. When blinking, indicates that the self-cleaning feature is operating.
2. Hot water indicator light – When illuminated, indicates that the dispenser is heating water.
3. Cold water indicator light – When illuminated, indicates that the dispenser is cooling water.
4. Filter replacement indicator light - When blinking, indicates that filters are about to expire; when steadily illuminated, filters have expired.

Operational Specifications

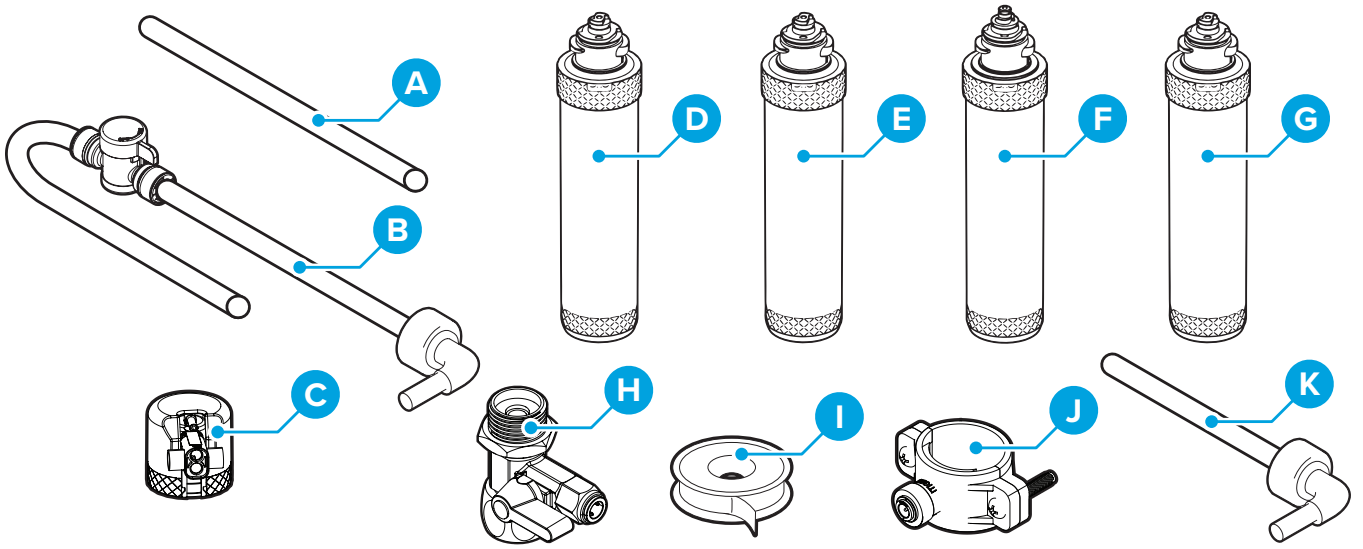
You must use the dispenser within the following operational parameters to ensure safe, optimal performance.

Model No.	CLPOU520UVRO4
Rated Voltage / Frequency	115 V / 60 Hz
Heating Power	420 W
Cooling Power	100 W
Operating Ambient Temperature	39–104 °F (4–40 °C)
Operating Humidity	≤90%
Inlet Water Pressure	14.5 - 60 psi (0.1 - 0.4 MPa)

Technical Specifications

Model No.	CLPOU520UVRO4
Cold Water Tank Volume	3.6 L
Hot Water Tank Volume	1.0 L
Hot Water Capacity (Measured at Ambient Temperature of 77 °F / 25 °C)	4 L/h (≥174 °F / 79 °C)
Cold Water Capacity (Measured at Ambient Temperature of 77 °F / 25 °C)	2.5 L/h (≤59 °F / 15 °C)
Hot Water Flow Rate	≥1.2 L/min
Ambient Water Flow Rate	≥1.2 L/min
Cold Water Flow Rate	≥1.2 L/min
Net Weight	42.11 lb (19.1 kg)
Product Dimensions (WxHxD)	12.2 x 40.9 x 13.4 in. (31.1 x 104 x 34 cm)
Water Dispense Point to Water Drip Tray (H)	9.35 in. (23.75 cm)
Water Drip Tray Dimensions (WxD)	11.39 x 4.12 in. (28.93 x 10.47 cm)
Noise (dBA)	≤55 dB

Package Contents

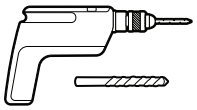


Part	Description	Quantity
A	Filter flushing tube	1
B	Shut-off valve tube (7 ft)	1
C	Filter housing (for filter flushing)	1
D	Sediment filter	1
E	Pre carbon filter	1
F	RO (reverse osmosis) filter	1

Part	Description	Quantity
G	Post carbon filter	1
H	Feedwater adapter (with extra nut)	1
I	Plumber's tape	1
J	Drain saddle with foam gasket	1
K	RO water-outlet tube	1

Materials Needed

Wrench



Electric drill with 1/4 in. drill bit

Installation

1. Determine the Installation Location

A. Locate the dispenser upright on a hard, level surface that is out of direct sunlight and near a grounded wall outlet.

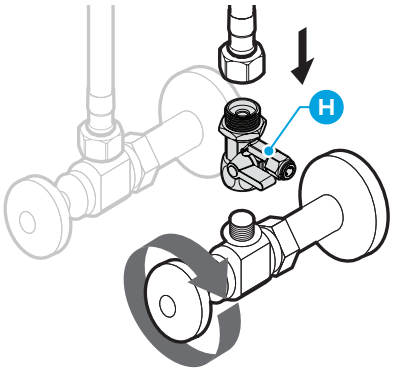
B. Position dispenser at least 8 in. (20 cm) from walls to permit free airflow between walls and dispenser.

IMPORTANT: Ensure dispenser stands upright for 24 hours BEFORE plugging in to allow oil to settle back into compressor. Failure to do so may damage the compressor and void warranty.

2. Connect to the Cold Water Supply

CAUTION: DO NOT CONNECT THIS WATER LINE TO A HOT WATER SUPPLY LINE. The water supply to the unit MUST be from the COLD WATER LINE. Using HOT WATER will severely damage your filters.

NOTE: Plumber's tape has been included to facilitate installation. Use in on all threaded plumbing connections to ensure a secure seal.



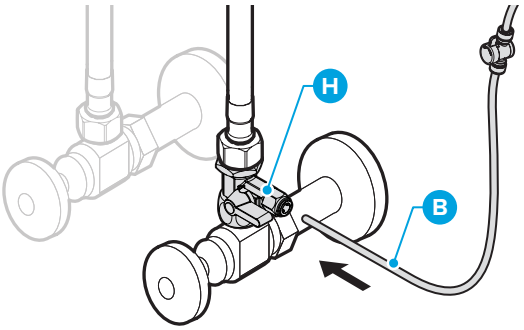
A. Turn off the cold water supply, then disconnect the cold water pipe from the cold water supply line.

B. Connect the feedwater adapter (H) to the cold water supply line.

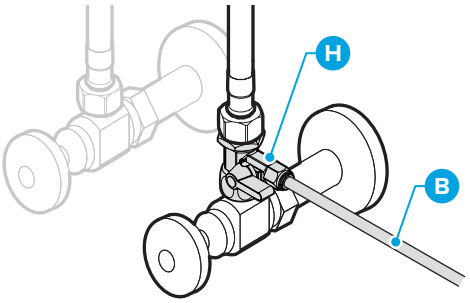
C. Connect the cold water pipe to the top of the feedwater adapter (H).

NOTE: An extra adapter nut is included on top of the feedwater adapter (H) to attach to a 3/8 in. or 1/2 in. feed plumbing line.

D. Insert the shut-off valve tube (B) straight into the quick connector piece of the feedwater adapter (H).



E. Gently tug on the shut-off valve tube (B) to ensure a secure connection with the feedwater adapter (H).



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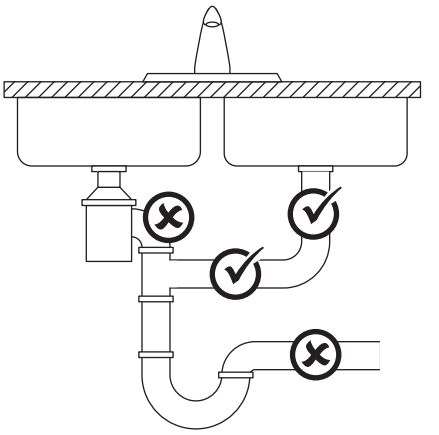
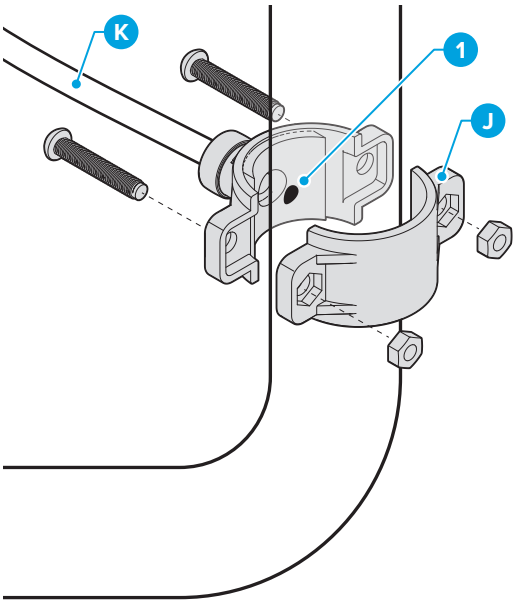
3. Make the Reverse Osmosis (RO) Waste Connections

A. The RO filter assembly requires a drain line connection to be installed, which removes rejected water to the sewer. The drain saddle connects the drain line from the dispenser to your drain pipe. The drain saddle is designed to fit around a standard 1.5 in. OD (outer diameter) drain pipe.



- Always install the drain saddle before the P-trap and on a straight vertical or horizontal section of the pipe.
- To avoid clogging the drain line with debris, do not install the drain saddle after the drain pipe meets a garbage disposal or dishwasher drain.

To make the Reverse Osmosis (RO) drain connections:



B. Determine the location for your drain saddle (J) and then make a mark on the drain pipe for the opening (1).

C. Use a 1/4 in. drill bit and drill a hole at the mark, ensuring you only drill through one side of the drain pipe.

D. Find the half of the drain saddle (J) with the hole in the center, remove the backing from the foam gasket, align the gasket with the hole on the drain saddle (J), and stick the adhesive side of the gasket to the drain saddle (J).

E. Position both halves of the drain saddle (J) on the drain pipe with the saddle's opening aligned over the drilled hole, and insert your drill bit through the drain saddle (J) and the drilled hole to ensure proper alignment.

F. Secure both ends of the drain saddle (J) together using the bolts and nuts, but do not overtighten.

G. Connect the RO water outlet tube (K) to the drain saddle (J).

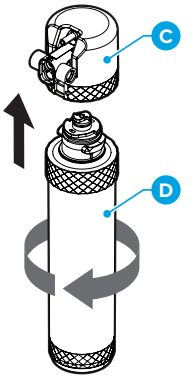
4. Flush the Filters

Follow this procedure each time you replace your filters.

IMPORTANT: Ensure water supply is off before you begin.

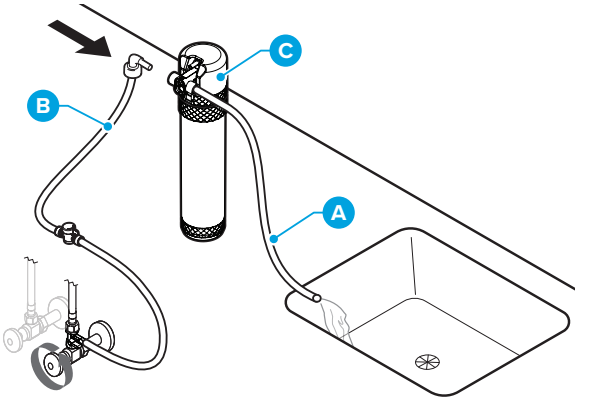
IMPORTANT: Flush ONLY the sediment, pre carbon, and post carbon filters. The reverse osmosis (RO) filter should not be flushed.

A. Connect a filter (D) to the filter housing (C) by twisting the filter (D) clockwise.



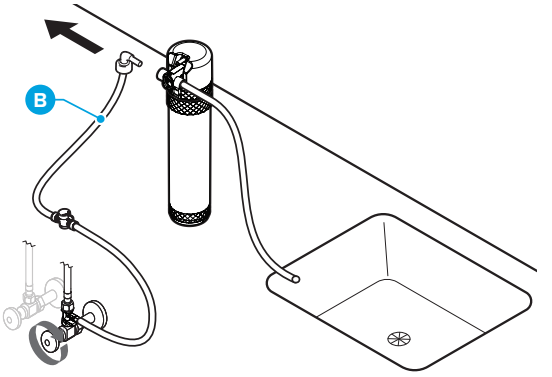
B. Connect the tip of the shut-off valve tube (B) to the left side of the filter housing (C).

C. Connect the filter flushing tube (A) to the right side of the filter housing (C) and lay the open end of the filter flushing tube (A) over a sink or receptacle to collect water.



D. Follow instructions in table below to flush filters.

IMPORTANT: After each filter is flushed, be sure to shut off water supply before disconnecting tubes to flush the next filter.



Stage 1: Sediment Filter	Stage 2: Pre Carbon Filter	Stage 3: RO Membrane	Stage 4: Post Carbon Filter
At first, water may appear cloudy. Flush filter for an additional 4 minutes <u>after</u> water runs clear.	At first, water may contain black debris. Flush filter for up to 6 minutes or until water runs clear.	FILTER DOES NOT REQUIRE FLUSHING.	At first, water may contain black debris. Flush filter for up to 4 minutes or until water runs clear.

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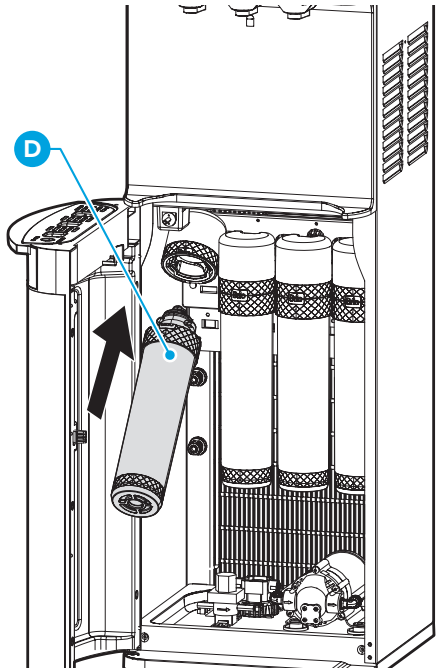
5. Install the Filters and Complete the Installation

A. After flushing, twist each filter clockwise into the filter housings located inside the dispenser cabinet. The sediment filter (D) goes on the left, followed by the pre carbon filter (E), the RO filter (F), and the post carbon filter (G).

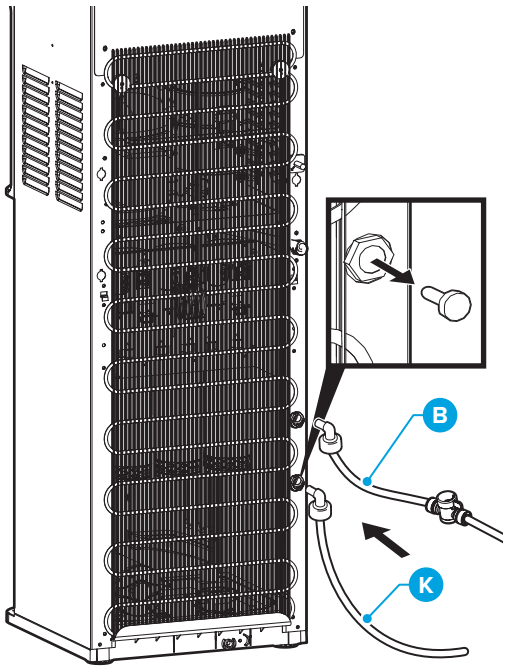


B. Remove the safety plug from the RO water outlet hole on the back of the dispenser by pushing in the inlet hole collar and then gently pulling out the plug.

C. Connect the RO water outlet tube (K) coming from the RO drain saddle (J) to the RO water outlet.

D. Connect the tip of the shut-off valve tube (B) into the water inlet.

E. Turn on the main water supply and ensure the shut-off valve on tube (B) is on.



Operation

IMPORTANT: This unit has been tested and sanitized prior to packing and shipping. During transit, dust and odors can accumulate in the tank and lines. Dispense and dispose of at least 1 quart of water prior to drinking any water.

Turn the Dispenser On/Off

IMPORTANT: Before you activate the heating and cooling switches, ensure water has filled the tanks inside the dispenser in order to prevent dry heating.

1. Plug in the dispenser.
2. Press the hot, room temperature, and cold water buttons until water begins to dispense.
3. To power on the cooling system, flip the green cooling switch on the back of the dispenser to the On position. The cold water indicator on the front of the dispenser illuminates in blue, indicating that the dispenser is cooling water. The light turns off when the cooling process is complete.
4. To power on the heating system, flip the red heating switch on the back of the dispenser to the On position. The hot water indicator on the front of the dispenser illuminates in red, indicating that the dispenser is heating water. The light turns off when the heating process is complete.

Dispense Cold Water

NOTE: Please allow approximately 1 hour after flipping the cooling switch to the On position for the water to become fully chilled. The cold water indicator light will turn off once the water is fully chilled.

1. Place a drinking glass or container under the cold water tap and press the cold water button to dispense cold water.
2. Release the button when your container is full.

Dispense Room Temperature Water

1. Place a drinking glass or container under the room temperature water tap and press the room temperature water button to dispense room temperature water.
2. Release the button when your container is full.

Disable Child Safety Lock and Dispense Hot Water

CAUTION: This unit dispenses water at temperatures that can cause severe burns. Avoid direct contact with hot water. Keep children and pets away from the unit while dispensing. Never allow children to dispense hot water without proper and direct supervision. Disable the heating feature by switching the heating switch on the back of the unit to the Off position.

NOTE: Water will take approximately 15–20 minutes after switching on the heating switch for it to reach its hottest temperature. The hot water indicator light will turn off once the water is fully heated.

1. This water dispenser is equipped with a child safety lock feature in order to prevent inadvertent dispensing.
2. To dispense hot water, place a drinking glass or container under the hot water tap and slide the lock on the hot water button to the left while pressing and holding down the hot water button.
3. Release the hot water button and the lock when your container is full.

Troubleshooting Guide

Refer to the table below for possible problems and their solutions.

Problem	Solution
The cold water is not cold.	• It takes approximately 1 hour after setup to dispense cold water. • Make sure the power cord is properly connected to a working outlet. • Make sure the back of the dispenser is at least 8 in. (20 cm) from a wall and there is free airflow on all 8 in. (20 cm) sides of the dispenser. • Make sure the green cooling switch on the back of the unit is in the On position.
The hot water is not hot.	• It takes 15–20 minutes after setup to dispense hot water. • Make sure the power cord is properly connected to a working outlet. • Make sure the red heating switch on the back of the unit is in the On position.
The night light is not working.	• Make sure the power cord is properly connected to a working outlet. • Make sure the night light power switch on back of unit is in the On position.
The dispenser is noisy.	• Ensure the dispenser is located on a hard, level surface. • The heating tube may be generating a slight sound. This is normal.
There is water leakage.	If the 4 indicator lights are flashing, a leak was detected. • The pipe is not connected properly. Check all water connections and tubes to ensure everything is connected properly. • The water pipes and/or tubing have burst. Replace pipes and tubing.
The machine is not dispensing water.	• The dispenser has become too cold, and the lines are blocked by ice. Turn the green cooling switch off for at least 4 hours to allow the water in the lines to thaw.
The dispenser is not dispensing water.	• There may still be air in the tank. Press and hold the water buttons to remove air until water begins to flow.

Cleaning and Maintenance

The UV Self-Cleaning Feature

This dispenser runs on a continuous UV cleaning cycle. It works for 40 minutes (UV indicator light is on), turns off for 140 minutes, and then cycles back on again as long as the dispenser is plugged in and turned on.

Care and Maintenance

- Keep this dispenser in a dry and cool place and avoid direct sunshine.
- Ensure the back of the dispenser is at least 8 in (20 cm) away from the wall.
- Never put the dispenser on paper or foam, which may store water and then cause creepage. Never put anything flammable beside this machine.
- Do not use the dispenser outdoors or in a place that can be splashed by water.
- If the dispenser is not in use for longer than a 24-hour period, turn off the heating and cooling switches to save power, and drain any remaining water.
- If the water supply is cut off, shut off the water supply and unplug the dispenser. When the water supply is back on, plug in the dispenser, and allow the dispenser to run in order to discharge sediment.

Filter Replacement Schedule

Filter Type	Model No.	Replacement Schedule	Function
Sediment	NFMPP5M	6-12 months or 950 gallons	Performs coarse filtration of inlet water, removing sand, rust, dirt, and other suspended solids.
Pre Carbon	NFMGAC	6-12 months or 950 gallons	Removes chlorine, unpleasant tastes and odors, and VOCs.
Reverse Osmosis (RO)	NFMRO75PGD	6-12 months or 1,900 gallons	Removes contaminants, including lead, arsenic, fluoride, and TDS.
Post Carbon	NFMCTO5MS4	6-12 months or 950 gallons	Performs final polish, removing any residual impurities.

Replace the Filters

IMPORTANT: Only replace the filters with new filters designed for this dispenser. Any other type of filter will damage the machine and void any warranty.

When a filter is approaching the end of its life, the filter replacement indicator light starts to blink quickly. When the filter has reached the end of its life, the filter replacement indicator light is steadily illuminates.

To change the filters:

1. Shut off the water supply.
2. Remove the old filters by twisting counterclockwise.
3. Flush the new filters by following the instructions under "Flush the Filters."
4. Install the new filters by twisting clockwise. Ensure the sediment filter is on the left followed by the pre carbon filter, the RO filter, and the post carbon filter.
5. Press and hold the filter reset switch (15) for 3 seconds until the indicator light turns off.

Filter Specifications

Sediment Filter
(Sediment, Dirt, and Rust Removal)

Filter Capacity	3,600 Liters
Flow Rate	3 LPM
Suggested PSI	14.5–58 psi
Temperature	33–100 °F

Pre Carbon Filter
(Chlorine, Taste, and Odor Reduction)

Filter Capacity	3,600 Liters
Flow Rate	3 LPM
Suggested PSI	14.5–58 psi
Temperature	33–100 °F

Reverse Osmosis (RO) Filter
(Reduces Impurities to 0.0001 Microns)

Filter Capacity	7,200 Liters
Flow Rate	0.135 LPM
Suggested PSI	58–116 psi
Temperature	33–100 °F

Post Carbon Filter
(Final Polish)

Filter Capacity	3,600 Liters
Flow Rate	3 LPM
Suggested PSI	14.5–58 psi
Temperature	33–100 °F

Clean the Reservoirs

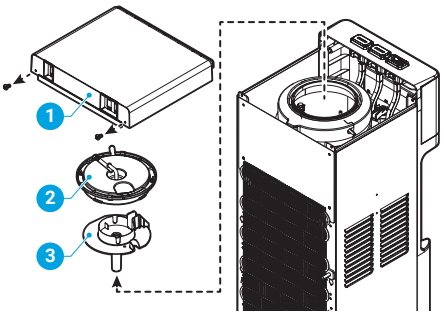
The reservoirs should be cleaned every 3 to 4 months to remove mineral buildup and optimize dispenser performance.

IMPORTANT: Turn off the heating and cooling switches, unplug the cooler, and turn off the water supply before beginning.

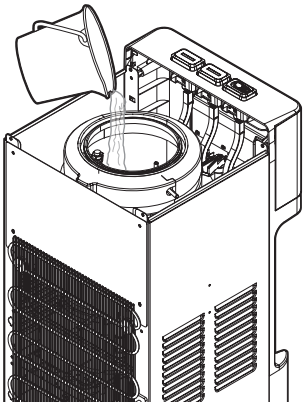
Gather the following supplies:

- 200g (approx. 1.5 cups) citric acid crystals
- Hot water
- Large bucket
- Container or cup
- Clean dry cloth

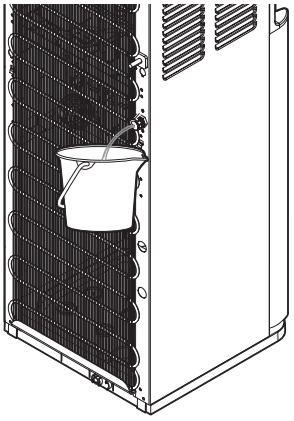
1. Allow water to cool a bit, then remove remaining water from reservoirs in the dispenser by dispensing from the hot and cold taps into a pitcher or bucket.
2. Remove the top cover (1), cold tank cover (2), and separator (3).
3. Rinse off the separator (3) in the sink and wipe clean with a soft cloth.



4. Pour citric acid crystals then 2 gallons of hot water in the bucket. Stir or agitate until crystals are dissolved. Pour solution into the empty cold water reservoir (solution will drain down into hot water reservoir). Be sure to fill the cold water reservoir all the way to the top. If necessary, prepare more solution. Allow solution to sit in reservoirs for 20 minutes.



5. Place the bucket beneath the drain outlet at the back of the dispenser.
6. Remove the drain cover, open the drain plug, and drain the cleaning solution.
7. Reinstall the drain plug and cover. Refill the bucket with 2 gallons of fresh water and repeat steps 4 through 6 to flush the reservoirs. While flushing water is draining, dispense a little water from each tap.
8. After water has finished draining, reinstall drain plug, drain plug cover, separator, cold tank cover, and top cover. Turn on water supply, then plug in cooler. Allow reservoirs to fill. Dispense some water from each tap. Turn heating and chilling switches back on.



Warranty

Brio ("Vendor") warrants to the original purchaser of the Brio Water Cooler (the "Product"), and to no other person, that if the Product is assembled and operated in accordance with the printed instructions accompanying it, then for a period of one (1) year from the date of purchase, all parts in the Product shall be free from defects in material and workmanship. This Limited Warranty shall be limited to repair or replacement of parts, which prove defective under normal use and service and which Vendor shall determine in its reasonable discretion upon examination to be defective. To take advantage of this Limited Warranty, please follow these steps:

1. Please retain your sales slip or invoice, as Vendor may require reasonable proof of your date of purchase.
2. Contact Vendor's Customer Service Department using the contact information listed below.
3. Return parts to Vendor, per Vendor's instructions, at your cost and expense.
4. Upon receipt by Vendor, Vendor shall advise you in writing whether a defect covered by this Limited Warranty exists in any returned part and whether your claim has been approved or denied.
5. Upon Vendor's approval of your claim, Vendor will replace such defective part without charge to you.

WHAT THIS LIMITED WARRANTY DOES NOT COVER: This Limited Warranty does not cover any failures or operating difficulties of the Product due to accident, abuse, misuse, alteration, misapplication, improper installation or improper maintenance or service by you or any third party, or failure to perform normal and routine maintenance on the Product, as set out in the User's Manual. In addition, this Limited Warranty does not cover damages to the finish, such as scratches, dents, discoloration, or rust after purchase.

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