



Brio®

**Point of Use
Water Dispenser**
Setup Manual

Model No.: CLPOU520UVF4

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Safety Information

WARNING: To reduce risk of injury and property damage, you must read this entire guide 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, flat 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.
- Use only 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 cord becomes frayed or otherwise damaged. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- To protect against electric shock, do NOT immerse cord, plug, or any other part of the dispenser in water or other liquids.
- Ensure the water dispenser is unplugged prior to cleaning.
- Never allow children to dispense hot water without proper and direct supervision. Unplug the unit to prevent unsupervised use by children.
- Service should be performed only by a certified technician.
- The appliance must not be cleaned by a water jet and is not suitable for installation in an area where a water jet could be used.

WARNING: Keep ventilation openings, in the appliance 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 appliance should work under environment of temperatures from 39°F - 104°F (4°C - 40°C) and humidity ≤90%.
- Never turn the machine upside down or lean it more than 45°.
- After turning the dispenser off, 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.

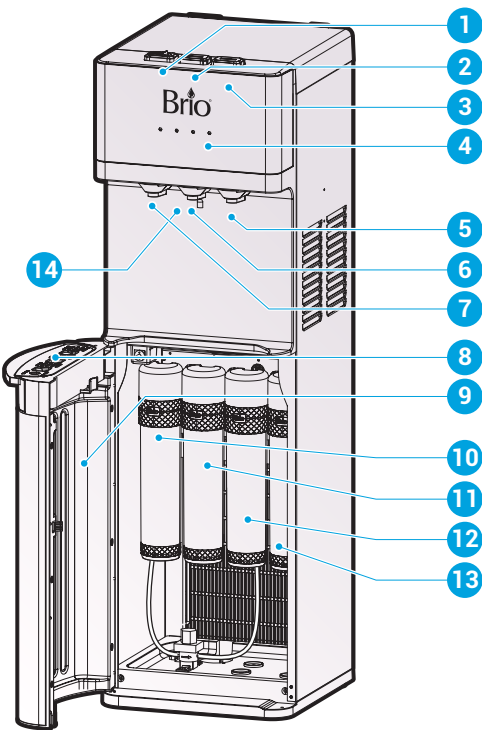
- UV-LED lamp must be repaired by manufacturer only.
- UV-LED lamp model no. VTWP-RH35P-M17A, rated DC 12V/24V, 0.8W.
- Disposal of the UV-LED lamp must be done in accordance with local laws and regulations.

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

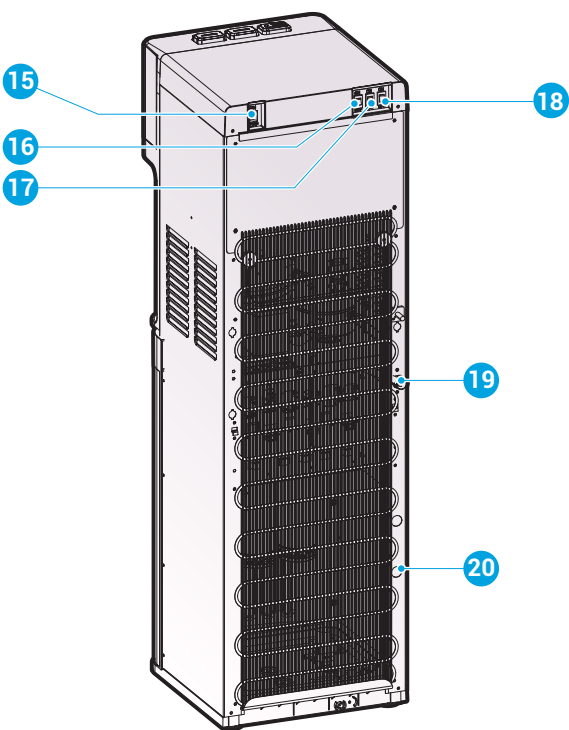
Intended Use

This appliance 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	Cold water tap
6	Room temperature water tap
7	Hot water tap
8	Drip tray
9	Filter cabinet door
10	Sediment filter
11	Pre carbon filter



Part	Description
12	Ultrafiltration filter
13	Post carbon filter
14	Night light
15	Filter reset switch
16	Night light switch
17	Cooling switch
18	Heating switch
19	Condenser
20	Drain outlet
21	Water inlet

Indicator Panel Description

1. Power / UV indicator light - When illuminated indicates that the dispenser is on. When blinking, indicates that the self-cleaning UV system is on.
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, indicates filters have expired and must be replaced.



Operational Specifications

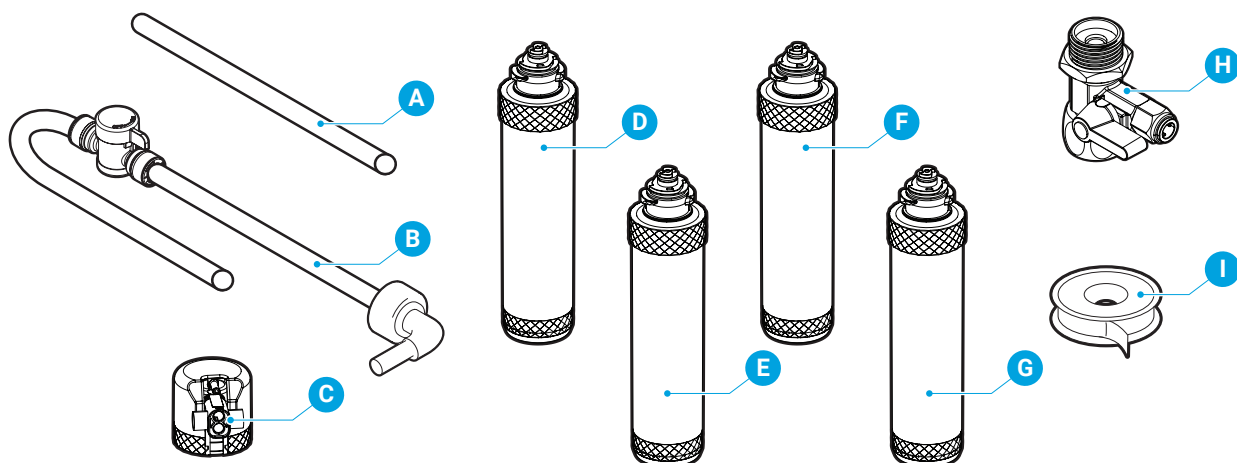
You must use the dispenser within the following operational parameters to ensure safe, optimal performance.

Model No.	CLPOU520UVF4
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)
Applicable Water	Tap Water with TDS ≤350 ppm
Applicable Water Temperature	39–104 °F (4–40 °C)

Technical Specifications

Model No.	CLPOU520UVF4
Cold Water Tank Volume	3.6 L
Hot Water Tank Volume	1.0 L
Heating Capacity (Measured at Ambient Temperature of 77 °F / 25 °C)	4 L/h (≥185 °F / 85 °C)
Cooling Capacity (Measured at Ambient Temperature of 77 °F / 25 °C)	2.0 L/h (≤50 °F / 10 °C)
Hot Water Flow Rate	≥1.2 L/min
Room Temperature Water Flow Rate	≥1.2 L/min
Cold Water Flow Rate	≥1.2 L/min
Net Weight	39.68 lb (18 kg)
Product Dimensions (WxHxD)	12.2 x 41.1 x 14.3 in. (31.1 x 105.1 x 36.3 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

Part	Description	Quantity
F	Ultrafiltration filter	1
G	Post carbon filter	1
H	Feedwater adapter (with extra nut)	1
I	Plumber's tape	1

Installation

Materials Needed

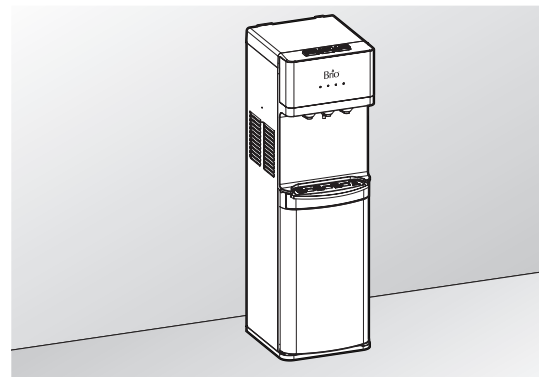


Wrench

Determine Installation Location

- A. Locate the dispenser on a hard, level surface in a cool shaded location near a grounded wall outlet.
- B. Position the back of the dispenser no closer than 8 in. (20 cm) from wall to permit free airflow between wall 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.



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.

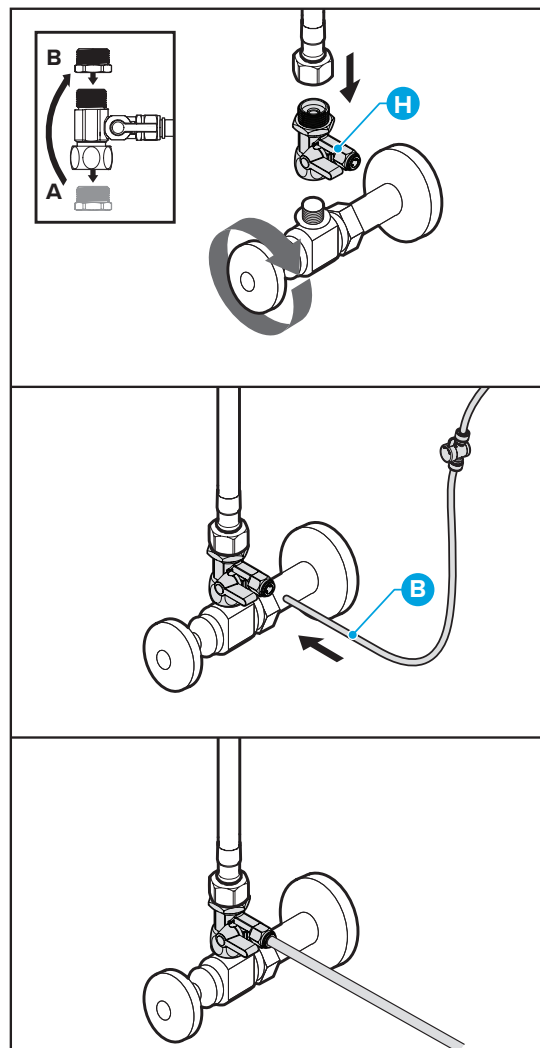
NOTE: Plumber's tape is included for use on any additional threaded connections you may need to make during installation. Do not use plumber's tape on the included feedwater adapter, as it has a built-in gasket that creates a proper seal without tape.

- A. Turn off cold water supply. Open faucet and drain remaining water in pipes.
- B. Using adjustable wrench, disconnect faucet pipe from cold water supply line.
- C. Twist the feedwater adapter (H) onto cold water supply line, then connect faucet pipe to the top of the feedwater adapter.

NOTE: If the faucet pipe has a 3/8-in. diameter, a 3/8-in. adapter nut is attached to the base of the feedwater adapter. Unscrew from base and twist on top.

- D. Insert the shut-off valve tube (B) straight into the quick-connect of the feedwater adapter approximately 5/8 of an inch.
- E. Gently tug on the tube to ensure a secure connection with the feedwater adapter.

IMPORTANT: To remove tubing, ALWAYS press in the collar on the fitting first to release the tube. DO NOT attempt to remove tubing by pulling on it without first releasing it. This may damage tubing and cause leakage.

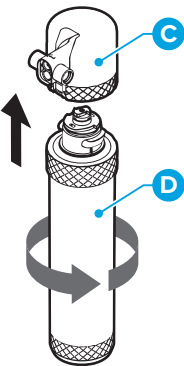


Flush the Filters

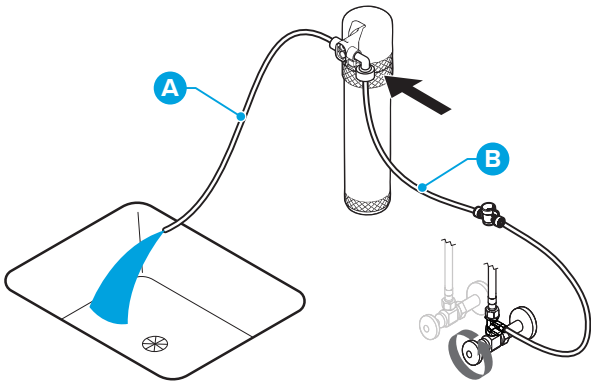
Follow this procedure each time you replace your filters.

IMPORTANT: Ensure water supply is off before you begin.

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

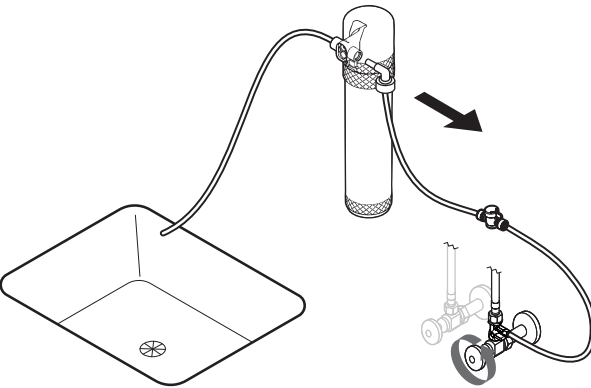


- B. Connect the tip of the shut-off valve tube (B) to the right side of the filter housing.
- C. Connect the filter flushing tube (A) to the left side of the filter housing and lay the open end of the filter flushing tube (A) over a sink or receptacle to collect water.



- D. Follow instructions in table below to flush filters.

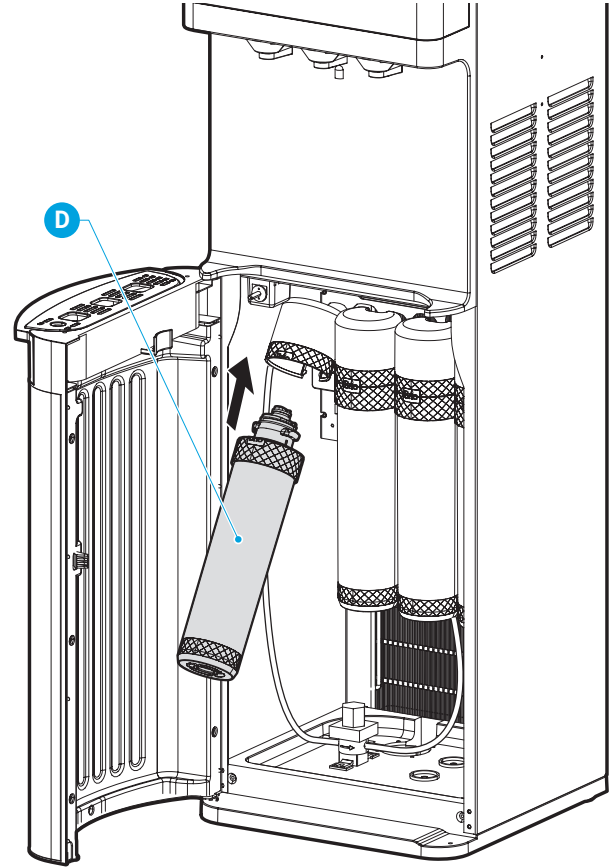
IMPORTANT: After each filter is flushed, be sure to shut off water supply before disconnecting tubes to flush the next filter.



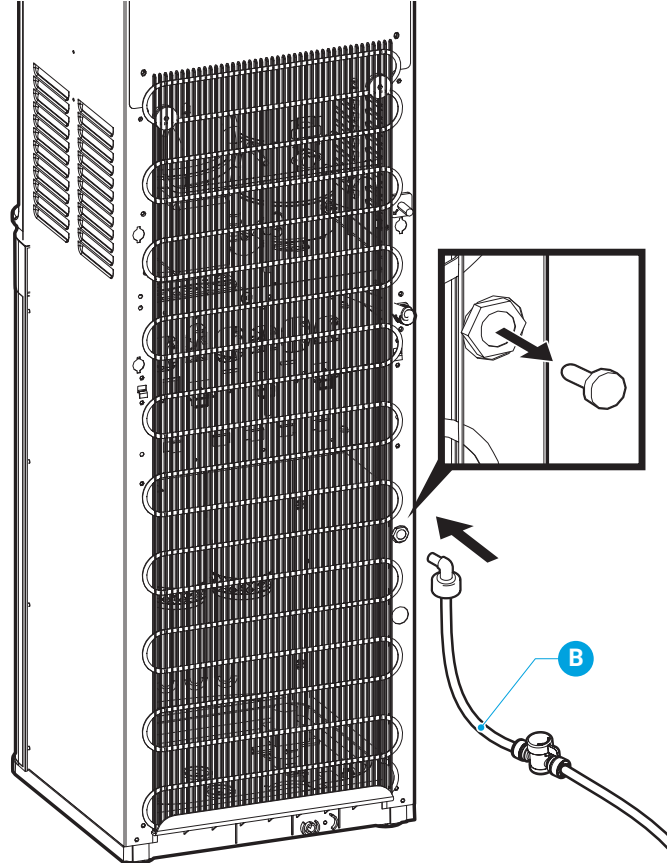
Stage 1: Sediment Filter	Stage 2: Pre Carbon Filter	Stage 3: Ultrafiltration	Stage 4: Post Carbon Filter
At first, water may appear cloudy.	At first, water may contain black debris.	At first, water may appear cloudy.	At first, water may contain black debris.
Flush filter for an additional 4 minutes <u>after</u> water runs clear.	Flush filter for up to 6 minutes or until water runs clear.	Flush filter for an additional 4 minutes <u>after</u> water runs clear.	Flush filter for up to 4 minutes or until water runs clear.

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, the ultrafiltration filter, and finally, the post carbon filter.



- B.** Remove the safety plug from the water inlet hole on the back of the dispenser by pushing in the inlet hole collar and then gently pulling out the plug.
- C.** Connect the tip of the shut-off valve tube (B) into the water inlet hole on the back of the dispenser. Then turn on the main water supply and ensure the valve in the 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 at least one 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.

- A. Plug in the dispenser.
- B. Run water through the cold and hot water taps until water begins to dispense.
- C. To power on the cooling system, flip the cooling switch to the On position.
- D. To power on the heating system, flip the heating switch to the On position.

Dispense Cold Water

NOTE: Water will take approximately 1 hour after plugging in and turning on to become completely chilled. The cold water indicator light will turn off once the water has been fully chilled.

- A. Place a glass or container under the cold water faucet. Press the cold water button.
- B. Release when your container is full.

Dispense Room Temperature Water

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

Dispense Hot Water and Activate Child Safety Lock

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 to the Off position.

NOTE: Water will take approximately 15-20 minutes after plugging in and turning on to reach its hottest temperature. The hot water indicator light will turn off once the water has been fully heated.

- A. This water dispenser is equipped with a child safety feature in order to prevent inadvertent dispensing. To enable dispensing of hot water, place a cup or container under the hot water faucet. Slide the red lock button on the hot water button to the left. While holding the lock button to the left, press the hot water button down and dispense hot water.
- B. Release the red lock button and hot water button once your container is full. Hot water will automatically relock.

Troubleshooting

Problem	Solution
The cold water is not cold.	• It takes up to one 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 sides of the dispenser. • Make sure green cooling switch on back of dispenser is On.
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 red heating switch on back of dispenser is On.
The nightlight is not working.	• Make sure the power cord is properly connected to a working outlet • Make sure the nightlight power switch on back of dispenser is On.
The dispenser is noisy.	• Ensure the dispenser is located on a level surface. • The heating tube may be generating a slight noise. This is normal.
There is water leakage.	If the 3 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 and PE pipes have burst. Replace the water and PE pipe.
The machine is not dispensing water.	• The dispenser has become too cold and the lines are blocked by ice. Turn the cooling switch off for at least 4 hours to allow the water in the lines to thaw.

Care and Maintenance

Follow the below guidance to keep the dispenser in working order.

- Keep this dispenser in a cool, dry 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 water dispenser is not used for longer than a 24-hour period, turn off the heating and cooling switches, to save power, and drain any remaining water.
- Regularly wipe exterior with a clean damp cloth. Empty and clean the drip tray and grid as needed.

The UV Self-Cleaning Feature

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

Clean the Reservoirs

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

Gather the following supplies:

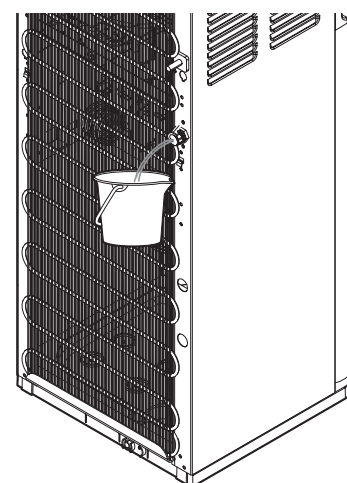
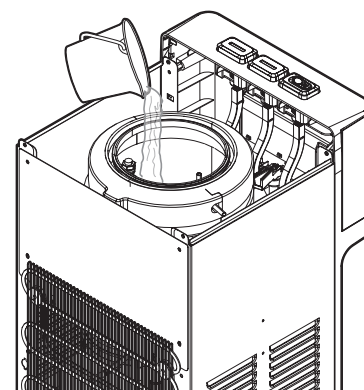
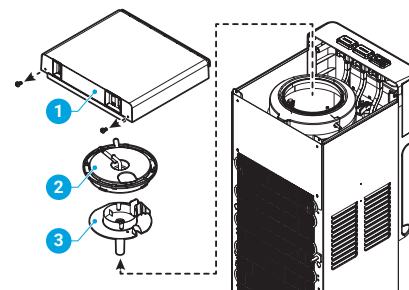
- 200g (approximately 1.5 cups) citric acid crystals
- Hot water
- Large bucket
- Container or cup
- Clean dry cloth

CAUTION: Before cleaning, be sure to unplug the water dispenser.

- Turn the dispenser heating and cooling switches OFF. Turn the shut-off valve on the shut-off valve tube OFF.
- Dispense remaining water from hot and cold taps into a container.
- Place large bucket beneath drain outlet on the back of the dispenser. Open drain and allow any remaining water to drain out.

CAUTION: Drained water may be hot.

- After water has drain out, close drain outlet. Discard drained water.
- Remove screws from back cover, then set aside in a safe place.
- Remove the top cover (1), cold tank cover (2), and separator (3).
- Rinse off separator and wipe clean with soft cloth. Set aside
- Prepare a cleaning solution by mixing citric acid crystals with 2 gallons of hot water in the large bucket. Stir until crystals are dissolved.
- Slowly pour solution into cold water reservoir tank (solution will trickle down to the hot water tank). Allow solution to sit in tanks for at least 10 minutes. Discard any remaining solution.
- Place large bucket beneath drain outlet. Open drain and allow solution to drain out. Close drain.
- Rinse out large bucket then fill with 2 gallons of clean water. Repeat steps I and J to flush reservoir tanks with fresh water. Repeat flushing process if necessary.
- Reinstall separator, cold tank cover, and top cover.
- Turn the shut-off valve on the shut-off valve tube ON. Plug in the dispenser. Allow water tanks to fill.
- Dispense some water from hot and cold taps.
- Turn heating and cooling switches back ON. Allow water to heat and chill before using.



Filter Replacement Schedule

Filter Type	Model No.	Replacement Schedule	Function
Sediment	NFMPP5M	6 to 12 months or 950 gallons	Performs coarse filtration of inlet water, removing sand, rust, dirt, and other suspended solids.
Pre Carbon	NFMGAC	6 to 12 months or 950 gallons	Removes chlorine and other unpleasant tastes and odors
Ultrafiltration	NFMUF	6 to 12 months or 1,425 gallons	Removes suspended solids, bacteria, colloidal silica, pyrogens, and large organic materials.
Post Carbon	NFMCTO5MS4	6 to 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 red indicator light starts to blink. When the filter has reached the end of its life, the indicator light remains red. To change filters:

1. Shut off the water supply.
2. To flush your new filters, follow the instructions under “Flush the Filters.”
3. Remove the old filters and replace with new filters. Filters should be installed in the following order, left to right: sediment, pre carbon, ultrafiltration, and post carbon.
4. Press the filter reset button until the red indicator light turns off.

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.

This Limited Warranty is the only express warranty given on the Product and is in lieu of all other express warranties. Vendor disclaims all warranties for products that are purchased from seller other than authorized retailers or distributors. THIS LIMITED WARRANTY RESTRICTS THE DURATION OF ANY AND ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO THE ONE (1) YEAR TERM OF THIS LIMITED WARRANTY. UPON THE EXPIRATION OF THE ONE (1) YEAR TERM OF THIS LIMITED WARRANTY, VENDOR DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, THE PRODUCT BEING THUS SOLD AS-IS, WITH ALL FAULTS. FURTHER, VENDOR SHALL HAVE NO LIABILITY WHATSOEVER TO PURCHASER OR ANY THIRD PARTY FOR ANY SPECIAL, INDIRECT, PUNITIVE, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. OTHER THAN THIS LIMITED WARRANTY, THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. Vendor assumes no responsibility for any defects caused by third parties. This Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state. State law may also override statements in this Limited Warranty regarding the restriction on the duration of implied warranties. Some jurisdictions do not allow exclusion or limitation of special, incidental or consequential damages, or limitations on how long a warranty lasts, so the above exclusion and limitations may not apply to you.

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