

modern™



**Brio**®

Point-of-Use Water Dispenser

**User's Manual**

Model: CLPOU730UVRO4

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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 39–100 °F (4–38 °C) and humidity  $\leq 90\%$ .
- 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. YB09-950-022, rated DC 24V, 0.17W $\pm 20\%$ .
- Disposal of the UV-LED lamp must be done in accordance with local laws and regulations.

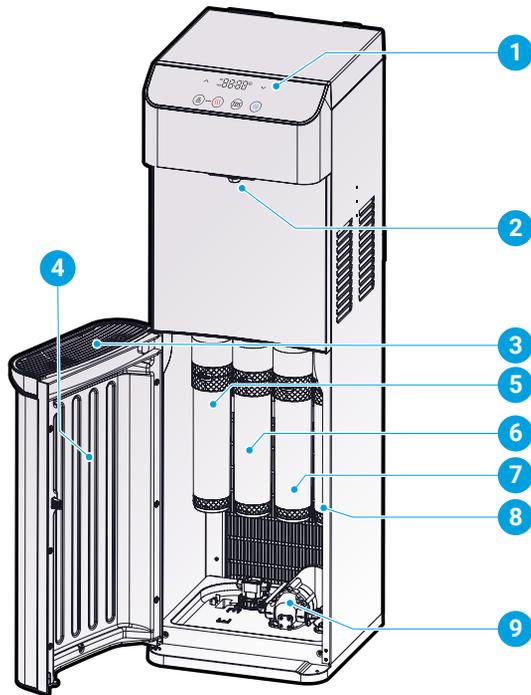
# Intended Use

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

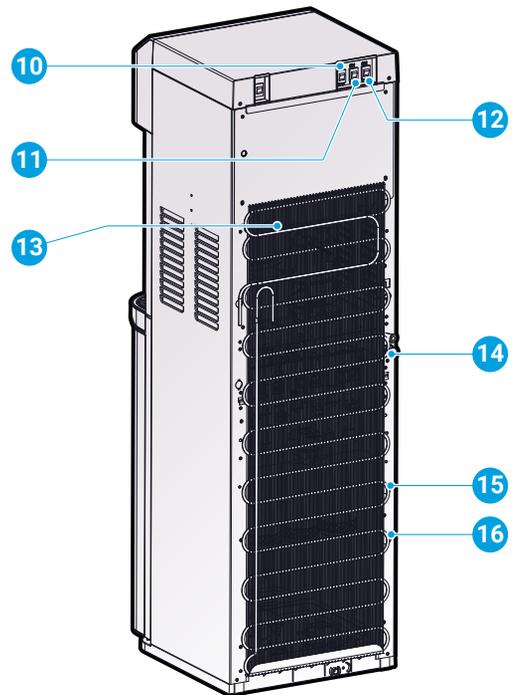
- Staff kitchen areas in shops, offices and other working environments
- Farm houses
- Hotels, motels and other residential-type environments
- Bed-and-breakfast environments
- Catering and similar non-retail applications

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



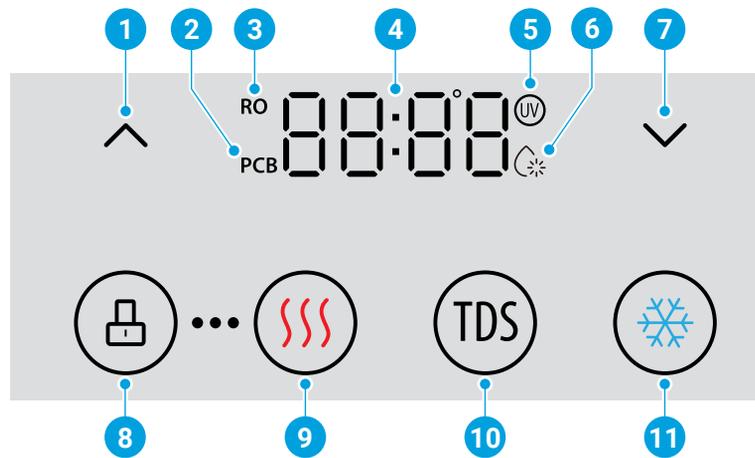
Part	Description
1	Touch panel display
2	Water tap
3	Drip tray
4	Filter cabinet
5	Sediment filter
6	Pre carbon filter
7	Reverse osmosis (RO) filter
8	Post carbon filter



Part	Description
9	RO pump
10	Night light switch
11	Cold water switch
12	Hot water switch
13	Condenser
14	Drain outlet
15	RO water inlet
16	Water outlet

## Touch Panel Description

No.	Description
1	Up arrow button
2	Change PCB filter icon
3	Change RO filter icon
4	LED display
5	Self-cleaning UV icon
6	Water production icon
7	Down arrow button
8	Lock button
9	Hot water button
10	TDS button
11	Cold water button



## TDS Reduction Rates

Dispensed water should see a TDS reduction rate of up to 90%. Refer to the following table for estimated before and after TDS levels.

**NOTE:** TDS reduction rates may vary based on the quality of source water.

Inlet Water TDS Level	Dispensed Water TDS Level
250	25
200	20
150	15
100	10
50	5

## Operational Specifications

Model No.	CLPOU730UVRO4
Rated Voltage / Frequency	115 V / 60 Hz
Heating Power	600 W
Cooling Power	100 W
Operating Ambient Temperature	39–100 °F ( 4–38 °C)
Operating Humidity	≤90%
Operating source water TDS*	≤250 PPM

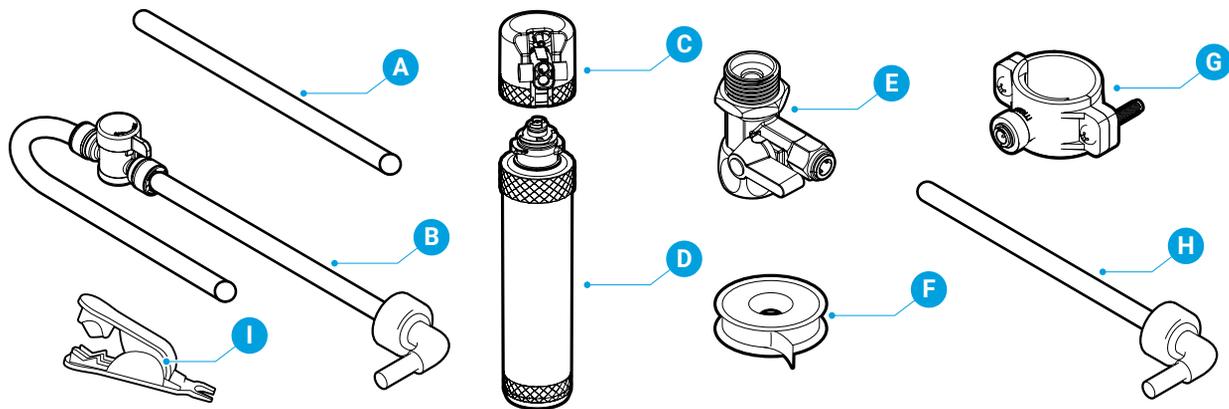
\*Please note, hardness levels in source water greater than 250 ppm can cause scale buildup, resulting in permanent damage to the hot water tank.

## Technical Specifications

**CAUTION:** This unit dispenses water at temperatures that can cause severe burns. Avoid direct contact with hot water. Keep children and pets away from unit while dispensing. Never allow children to dispense hot water without proper and direct supervision. Unplug unit to prevent unsupervised use by children.

Model No.	CLPOU730UVRO4
Hot Water Tank Volume	1 L
Cold Water Tank Volume	3.6 L
Hot Water Capacity (Measured at Ambient Temperature of 77 °F / 25 °C)	4 L/h (≥185 °F / 85 °C)
Cold Water Capacity (Measured at Ambient Temperature of 77 °F / 25 °C)	2.5 L/h (≤50 °F / 10 °C)
Hot Water Flow Rate	≥2.1 L/min
Cold Water Flow Rate	≥3 L/min
Net Weight	43.2 lb (19.6 kg)
Product Dimensions (WxHxD)	12.2 x 40.94 x 13.39 in. (31 x 104 x 34 cm)
Dispense Point to Drip Tray (H)	11.5 in. (29.21 cm)
Drip Tray Area (WxD)	11.5 x 4 in. (29.21 x 10.16 cm)
Noise (dBA)	≤60 dB

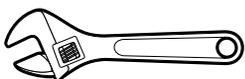
## Package Contents



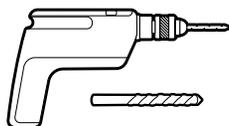
Part	Description	Quantity
A	Filter flushing tube	1
B	Shut-off valve tube (7 ft.)	1
C	Filter housing (for filter flushing)	1
D	Filters	4

Part	Description	Quantity
E	Feed water adapter (with extra nut)	1
F	Plumber's tape	1
G	Drain saddle with foam gasket	1
H	RO water outlet tube	1
I	Tube cutter	1

## Materials Needed



Wrench

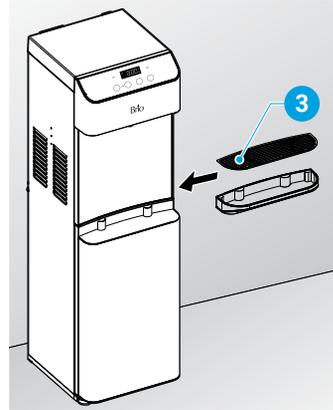


Electric drill with 1/4 in. drill bit

# Installation

## 1. Determine Installation Location

- A. Place the dispenser upright.
- B. Locate the dispenser on a hard and level surface in a cool shaded location near a grounded wall outlet.  
**NOTICE:** Do NOT plug in the power cord until the entire installation section is completed.
- C. Position the back of the dispenser no closer than 20 cm (8 in.) from a wall and permit free airflow between the wall and water dispenser. Install drip tray (3) as indicated in illustration.



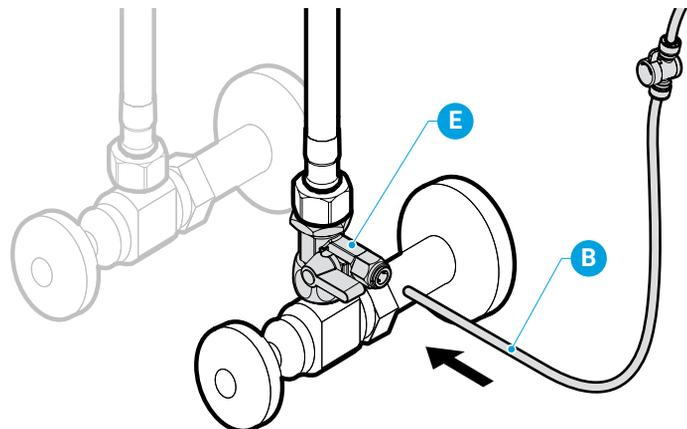
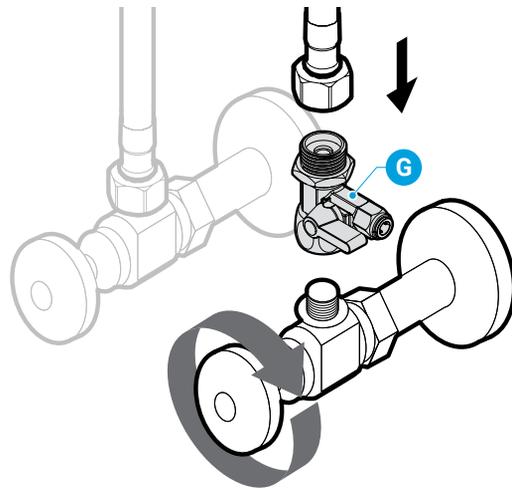
## 2. Connect to the Cold Water Supply

**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.

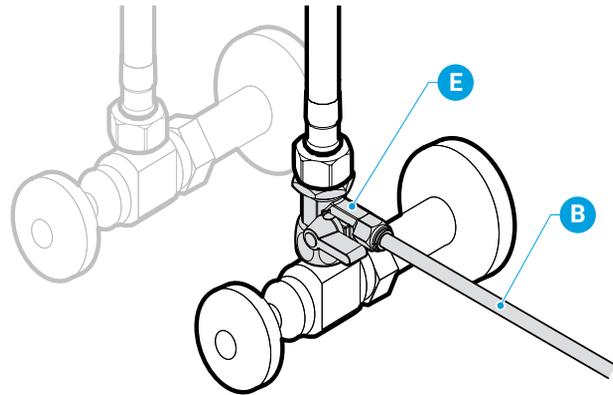
- A. Turn off and then disconnect the current cold water supply line.
- B. Connect the feed water adapter (E) to the cold water supply line.
- C. Connect the cold water supply line on top of the feed water adapter (E).

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

- D. Insert the shut-off valve with tube (B) straight into the quick connector piece of the feed water adapter (E).



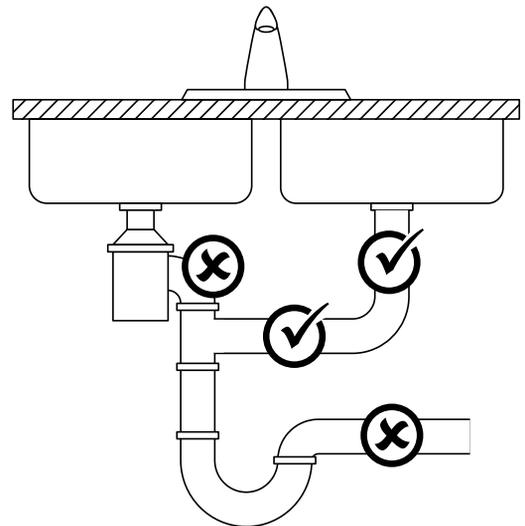
- E. Gently tug on the tube (B) to ensure a secure connection with the feed water adapter (E).



### 3. Make the Reverse Osmosis Waste Connections

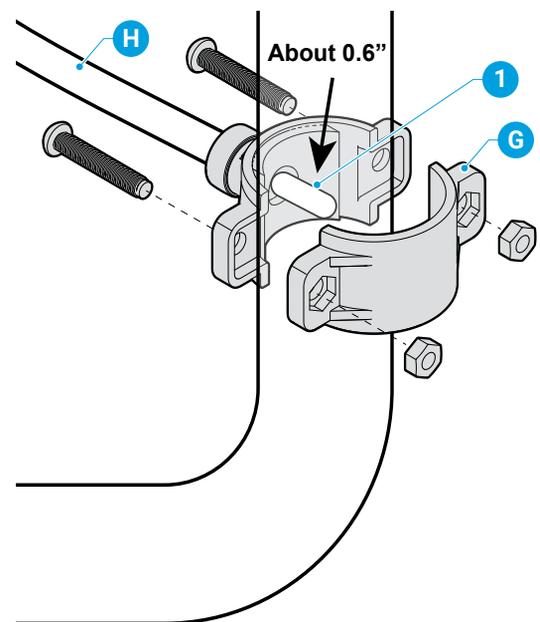
The “RO” filter assembly requires a drain line connection to be installed, which removes rejected water to the sewer. The drain saddle connects the drain line from the dispenser to your drain pipe. The drain saddle is designed to fit around a standard 1.5 in. OD (outer diameter) drain pipe.

- ✓ 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:

- A. Determine the location for your drain saddle (G) and then make a mark on the drain pipe for the opening (1).
- B. Use your drill and a 1/4 in. drill bit to drill a hole at the mark, ensuring you only drill through one side of the drain pipe.
- C. Find the half of the drain saddle (G) with the hole in the center, remove the backing from the foam gasket, align the gasket with the hole on the drain saddle (G), and stick the adhesive side of the gasket to the drain saddle (G).
- D. Position both halves of the drain saddle (G) on the drain pipe with the saddle’s opening aligned over the drilled hole, and insert your drill bit through the saddle (G) and drilled hole to ensure proper alignment.
- E. Secure both ends of the drain saddle (G) together using the bolts and nuts, but do not over-tighten.
- F. Connect the RO water outlet tube (H) to the drain saddle (G). To prevent water leakage, ensure the RO water outlet tube (H) has been placed 0.6 inches in the pipe.



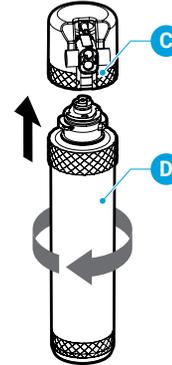
## 4. Flush the Filters

Follow this procedure each time you replace your filters.

**IMPORTANT:** Ensure water supply is off before you begin.

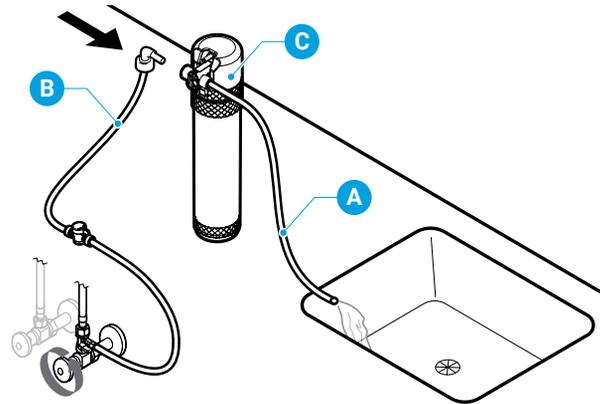
**IMPORTANT:** Flush **ONLY** the sediment, pre carbon, and post carbon filters. The reverse osmosis (RO) filter should not be flushed.

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



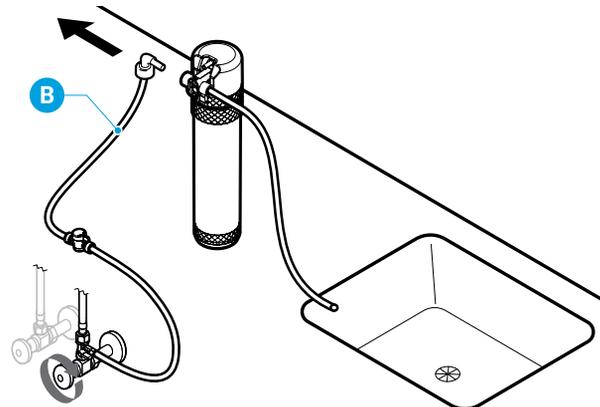
- B. Connect the tip of the shut-off valve tube (B) to the left side of the filter housing (C).

- 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.

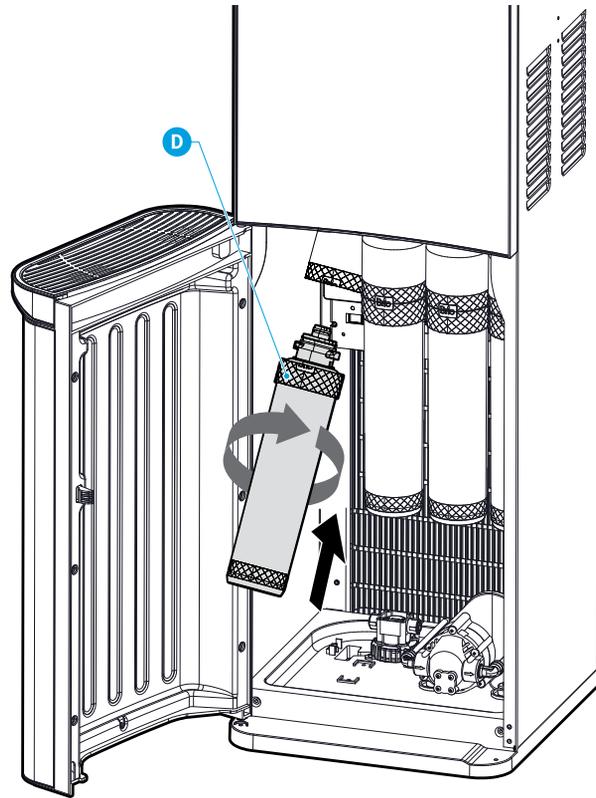
**IMPORTANT:** After each filter is flushed, be sure to shut off water supply before disconnecting tubes to flush the next filter.



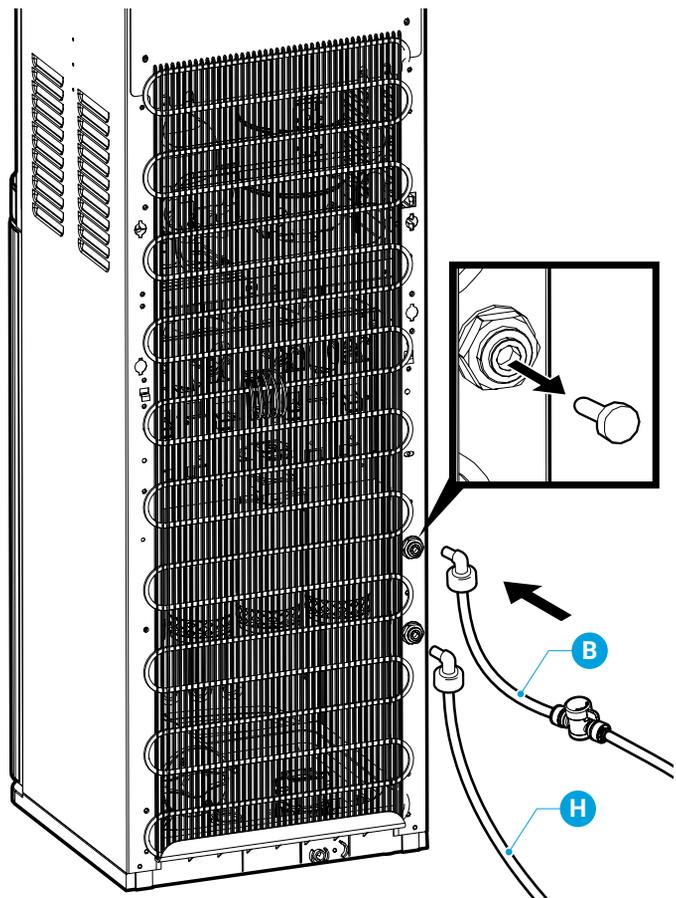
Stage 1: Sediment Filter	Stage 2: Pre Carbon Filter	Stage 3: RO Membrane	Stage 4: Post Carbon Filter
At first, water may appear cloudy.  Flush filter for an additional 4 minutes <u>after</u> water runs clear.	At first, water may contain black debris.  Flush filter for up to 6 minutes or until water runs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

## 5. Install the Filters and Complete the Installation

- A.** After flushing, twist each filter (D) clockwise into the filter housings located inside the dispenser cabinet. The sediment filter goes on the left, followed by the carbon, RO, and 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 RO water outlet tube (H) from the RO drain saddle (G) to the RO water outlet.
- D.** 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 liter of water prior to drinking any water.

## Turn the Dispenser On/Off

**IMPORTANT:** Before activating 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. Allow water tanks to fill. During this time, the water production icon (6) will illuminate. When the tanks are full, the icon light turns off.
3. Place a container under the water tap. Press the cold water button and dispense 1 liter of water. Discard water.
4. Place the container under the water tap. Press the hot water button and dispense 1 liter of water. Discard water.
5. Repeat steps 3 and 4 three more times.
6. To power on the cooling system, flip the cooling switch on the back of the dispenser to the On position. The cold water button on the front of dispenser illuminates in blue indicating that the dispenser is cooling water. The light changes to white when the cooling process is complete.
7. To power on the heating system, flip the heating switch on the back of the dispenser to the On position. The hot water button on the front of the dispenser illuminates in red indicating that the dispenser is heating water. The light changes to white when the heating process is complete.

## Set the Time

1. Press and hold the up and down arrow buttons for 3 seconds until the clock display begins to blink.
2. Press the cold water button to set the minute and the hot water button to set the hour. Use the up and down arrow buttons to scroll until the correct minute/hour is displayed.
3. Press the hot water lock button when finished.

## Set the Cold Water Temperature Level

You can select from 3 different cold water dispensing temperature levels: C1 (cold), C2 (colder), and C3 (coldest).

Temperature Level	Dispensing Temperature Range
C1	49°F to 55°F
C2	43°F to 49°F
C3	37°F to 43°F

**NOTE:** The default temperature dispensing level for cold water is C3 (coldest).

To change the cold water temperature dispensing level, please do the following:

1. Simultaneously press and hold the lock and cold water buttons for 3 seconds. The cold water button and LED display showing current cold water temperature level begin to flash.
2. Press the up or down arrow to scroll through the 3 options. They will be displayed as C1, C2, and C3. After you have reached the desired temperature level, quickly press the lock button. The new level is now set. It takes approximately 2 hours for the cold water temperature range to adjust to the new level. During the adjustment process, the cold water light will illuminate in blue. Once the new level has been reached, the light will change to white.

**NOTE:** Cold water temperature is measured inside cold reservoir tank. Due to many variables, including but not limited to, ambient temperature, water receptacle size/temperature, internal travel from reservoir tank to dispense point, etc., temperature range of water dispensed will vary from stated range.

## Set the Hot Water Temperature Level

You can select from 3 different hot water dispensing temperature levels: H1 (hot), H2 (hotter), and H3 (hottest).

Temperature Level	Dispensing Temperature Range
H1	178°F to 184°F
H2	184°F to 190°F
H3	190°F to 196°F

**NOTE:** The default temperature dispensing level for hot water is H3 (hottest).

To change the hot water temperature dispensing level, please do the following:

1. Simultaneously press and hold the lock and hot water buttons for 3 seconds. The hot water button and LED display showing current hot water temperature level being to flash.
2. Press the up or down arrow to scroll through the 3 options. They will be displayed as H1, H2, and H3. After you have reached the desired temperature level, quickly press the lock button. The new level is now set. It takes 15 to 20 minutes for the hot water temperature range to adjust to the new level. During the adjustment process, the hot water light will illuminate in red. Once the new level has been reached, the light will change to white.

**NOTE:** Hot water temperature is measured inside hot reservoir tank. Due to many variables, including but not limited to, ambient temperature, water receptacle size/temperature, internal travel from reservoir tank to dispense point, etc., temperature range of water dispensed will vary from stated range.

## Dispense Cold Water

**NOTE:** Water will take approximately 1 hour after plugging in and turning on to become completely chilled.

1. Place a drinking glass or container under the tap and press the cold water button to dispense cold 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 convenience switch to the Off position.

**NOTE:** Water will take approximately 15-20 minutes after plugging in and turning on to reach its hottest temperature.

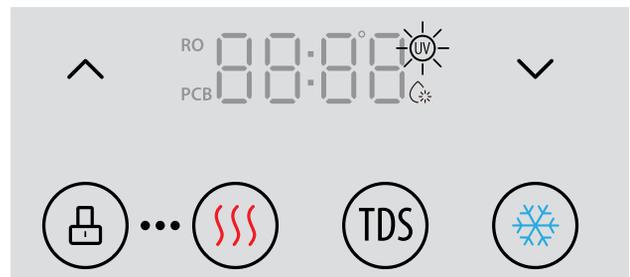
1. This water dispenser is equipped with a child safety feature in order to prevent inadvertent dispensing. To disable the child safety lock feature, press the lock button.
2. To dispense hot water, place a drinking glass or container under the tap and press the hot water button.
3. Release the button when your container is full. Hot water button automatically relocks.

# Troubleshooting

Problem	Solution
The cold water is not cold.	<ul style="list-style-type: none"> <li>• It takes up to one hour after setup to dispense cold water.</li> <li>• Make sure the power cord is properly connected to a working outlet.</li> <li>• Make sure the back of the dispenser is at least 20 cm from a wall and there is free airflow on all 20 cm sides of the dispenser.</li> <li>• Make sure green power switch on back of dispenser is On.</li> </ul>
The hot water is not hot.	<ul style="list-style-type: none"> <li>• It takes 15-20 minutes after setup to dispense hot water.</li> <li>• Make sure the power cord is properly connected to a working outlet.</li> <li>• Make sure red power switch on back of dispenser is On.</li> </ul>
Water flow is slow.	<ul style="list-style-type: none"> <li>• Water output may slow or decrease if there has been continuous dispensing. Allow tanks to refill before dispensing.</li> </ul>
The dispenser is noisy.	<ul style="list-style-type: none"> <li>• Ensure the dispenser is located on a level surface.</li> <li>• The heating tube may be generating a slight noise. This is normal.</li> <li>• Pump may generate a slight noise if there has been continuous dispensing. This is normal.</li> </ul>
There is water leakage.	<p>If the 3 lights are flashing, a leak was detected.</p> <ul style="list-style-type: none"> <li>• The pipe is not connected properly. Check all water connections and tubes to ensure everything is connected properly.</li> <li>• The water and PE pipes have burst. Replace the water and PE pipe.</li> </ul>
The machine is not dispensing water.	<ul style="list-style-type: none"> <li>• 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.</li> </ul>

# Cleaning and Maintenance

The dispenser runs on a continuous UV cleaning cycle. It works for 40 minutes (UV icon on the display is on), turns off for 140 minutes, and then cycles back on again as long as the dispenser is plugged in and on. You can dispense water when the UV light is 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 heating and cooling switches to save power and drain any remaining water.
- Empty and clean the drip tray and grid as needed.

## 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, and other unpleasant tastes and odors.
Reverse Osmosis (RO)	NFMRO75GPD	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 the PCB (2) and RO (3) filter indicator lights steadily illuminate and the dispenser beeps, the filters have expired and must be replaced immediately.

To replace, do the following:

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. Ensure the filters are installed as follows, from left to right: sediment filter, pre carbon filter, RO filter, and post carbon filter.
4. After replacing the filter element, press the UP arrow (1) for approximately 3 seconds to reset the filter indicators and turn off the beeping.

## Filter Specifications

### Sediment Filter

(Sediment, Dirt and Rust Removal)

Filter Capacity	950 Gallons
Flow Rate	0.8 GPM
Suggested PSI	14.5 - 58 psi
Temperature	33 - 100 °F

### Pre Carbon Filter

(Chlorine, Taste and Odor Reduction)

Filter Capacity	950 Gallons
Flow Rate	0.8 GPM
Suggested PSI	14.5 - 58 psi
Temperature	33 - 100 °F

### RO Filter

(Heavy Metal and TDS Removal)

Filter Capacity	1,900 Gallons
Flow Rate	0.035 GPM
Suggested PSI	58 - 116 psi
Temperature	33 - 100 °F

### Post Carbon Filter

(Final Polish)

Filter Capacity	950 Gallons
Flow Rate	0.8 GPM
Suggested PSI	14.5 - 58 psi
Temperature	33 - 100 °F

# Warranty

Brio (“Vendor”) warrants to the original purchaser of the Brio Water Coolers (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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