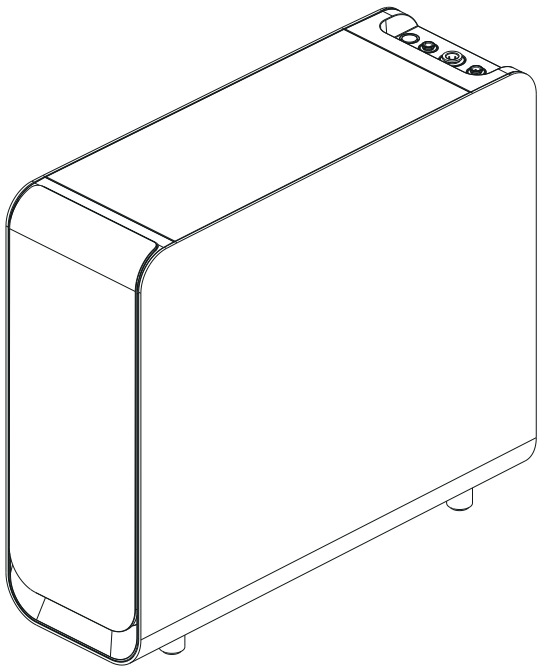
BRIZO®

116035

X00116035

PRISTIVE™ TANKLESS REVERSE OSMOSIS SYSTEM



Model Number: BWQ1001012

Date of Purchase: _____

Register Online
www.brizo.com/customer-support/product-registration

1-877-345-BRIZO (2749)
www.brizo.com/customer-support

Read all instructions prior to installation.

⚠ CAUTION

Failure to read these instructions prior to installation may result in personal injury, property damage, or product failure. Manufacturer assumes no responsibility for product failure due to improper installation.

To reference replacement parts and access additional technical documents and product info, visit www.brizo.com

SCAN TO ACCESS THE PERFORMANCE DATA SHEET
Or visit www.brizo.com/pristive-tankless-spec

IAPMO R&T WATER QUALITY PLATINUM SEAL IAPMO RESEARCH AND TESTING®

UPC®

NRTL IAPMO EGS US UL 979

This system has been certified by IAPMO R&T against: ASSE 1086, NSF/ANSI 372, 42, 53, 58, 401, and Protocol P231 for the reduction of substances for specific performance claims as verified and substantiated by test data. Refer to the Performance Data Sheet for more information.

! DO NOT DISCARD !

Reference for long term maintenance. Leave with system owner.

BEFORE YOU BEGIN : READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE

Read and understand this manual in its entirety to prevent personal injury and/or property damage during installation and use of this product. Check with all local plumbing code requirements prior to installation and follow their guidelines as you install this water filtration system.

⚠ WARNING

Do not use with water that is micro biologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

⚠ WARNING

This system is for use on water supplies that have been treated to public water systems standards. This system has been tested to demonstrate effective reduction of microcystins. However, in the event of a reported cyanotoxin in your water supply, follow the recommendations of your drinking water authority. Other cyanotoxins may be present in the drinking water which may not be effectively reduced by this system.

⚠ WARNING

Do not allow children under 3 years of age to have access to small parts during the installation of this product.

Arsenic

Arsenic (abbreviated As) is found naturally in some well water. Arsenic in water has no color, taste or odor. It is measured by a laboratory test. Public water utilities must have their water tested for arsenic. You can get results from your water utility. If you have your own well, you can have the water tested. The local health department or the state environmental health agency can provide a list of certified labs. Information about arsenic in water can be found at US Environmental Protection Agency (EPA) website: epa.gov/safewater/arsenic. This system has been tested for the treatment of water containing pentavalent aresenic (also known as As(V), As(+5) or arsenate) at concentrations of 0.3 mg/L or less. This system reduces pentavalent arsenic, but may not remove other forms of arsenic. This system is to be used on water supplies containing a detectable free chlorine residual or on water supplies that have been demonstrated to contain only pentavalent aresenic. Treatment with chloramine (combined chlorine) is not sufficient to ensure complete conversion of trivalent arsenic to pentavalent arsenic. Please see the Arsenic Facts section of the Performance Data Sheet for further information.

* If your incoming water has concentrations of arsenic higher than 100 ppb or 0.1 mg/L it is recommended to change out your Carbon Filter cartridge every 6 months to maintain top performance of your reverse osmosis system.

Nitrate & Nitrite Test Kit:

This test detects Nitrate and Nitrite measured as N (Nitrogen). Nitrate and Nitrites find their way into drinking water from farm fertilizer, industrial and biological waste, and natural forming mineral deposits. Their presence can often be a sign of other pollutants in the water. For more information visit https://www.epa.gov/dwreginfo/chemical-contaminant-rules.

The EPA sets the Maximum Contaminant Level (MCL) for Nitrate at 10ppm and Nitrite at 1ppm. Nitrite levels above the EPA limit can be an indicator that bacteria is present.

- Total Nitrate (NO3-N)
  EPA MCL = 10ppm Nitrate as N
  Nitrate (as NO3)
- Total Nitrite (NO2-N)
  EPA MCL = 1ppm Nitrite as N
  Nitrite (as NO2)

TEST PROCEDURE:

Remove 1 test strip from foil packet and using a cup-size sample, immerse strip for 2 seconds. Remove with pads face up.

DO NOT SHAKE OFF EXCESS WATER.

Wait 60 seconds and immediately compare to the color chart provided with the test kit. Complete the color matching within 60 seconds.

- Keep wet fingers out of foil pack.
- Store in a cool, dry place.

This system is acceptable for treatment of Nitrate/Nitrite influent concentrations of no more than 27 mg/L Nitrate and 3 mg/L Nitrite in combination measured as N and is certified for Nitrate/Nitrite reduction only for water supplies with a pressure of 50 PSI or greater.

* This system is supplied with a Nitrate/Nitrite test kit to evaluate the water at time of installation but for continued maintenance filtered water should be monitored periodically and retested every 6 months.

* Check the expiration date of your test strips; if expired, please contact customer service for a replacement.

⚠WARNING **Be sure to follow all applicable state and local codes** **⚠WARNING**

- Not all contaminants or substances present in your water are removed by this water filtration device. Please refer to the Performance Data Sheet for information on contaminants and reduction performance.
- The system is to be supplied only with cold water.
- This filtration system is not intended to convert wastewater or raw sewage into drinking water.
- There is a risk of exposure to contaminants if this device is not maintained and operated as specified in the following installation manual.
- Contaminants or other substances removed by this filtration system may not be present in your water. Please refer to the Performance Data Sheet section for information on contaminants and reduction performance.
- This product has a limited service life. Keep a record of the date of installation and any performed maintenance or filter replacement. Because of the limited service life, replace the system every 10 years to prevent costly repairs or possible water damage.

Installations in the Commonwealth of Massachusetts:

- The Commonwealth of Massachusetts requires installation be performed by a licensed plumber and does not permit the use of saddle valves. Plumbing code 248-CMR of the Commonwealth of Massachusetts must be followed in these cases.

NOTICE

To reduce the risk associated with property damage due to water leakage:

- Read and follow these instructions before installation and use of this system.
- Installation and use must comply with all state and local plumbing codes.
- Do not install the unit where the temperature may drop below freezing, may be exposed to direct light, or may be exposed to heat.
- Water pressure should not exceed 80 psi.
- Mitigate water hammer conditions.
- Install backflow prevention device.
- Do not use a torch or other high temperature sources near filters system, cartridges, plastic fittings or plastic plumbing.
- Never use pipe sealant, pipe dope, or thread sealing tape on plastic fittings.
- Take care when using pliers or pipe wrenches to tighten plastic fittings, as damage may occur if over tightened.
- Locate the system in such a position as to prevent it from being struck by other items used in the area of installation.
- Do not install unit if any parts are missing. Contact Delta customer service at 1-800-345-3358 for replacement parts. Regularly inspect the plumbing and water supplies for damage. Replace or repair as needed.
- Replace filter cartridges promptly when the lifetime capacity has been met, or there is a noticeable decrease in water flow.
- After any prolonged period of non-use, manually flush the system thoroughly for approximately 10 minutes. If the unit's water or power supply will be turned off or unavailable, turn off the water supply to the unit and remove the filter cartridges. Store the filter cartridges in a sealed bag in the refrigerator (NEVER FREEZE the cartridges) in order to maximize the remaining filter capacity. Then unplug the unit. (see Care and Maintenance section for additional details on long term storage).
- If you must shut off the water supply for any reason, unplug the unit.
- The reverse osmosis filtration system contains a replaceable treatment component, critical for the effective reduction of Total Dissolved Solids (TDS), and that filtered water shall be tested periodically to verify that the system is performing properly.

Flow rate and output are determined by 4 factors:

1. Incoming water temperature

2 Total dissolved solids (TDS) present in water supply

3. Incoming water pressure

4. Output device flow restriction (ie restrictive faucet, distance between unit to output device, or refrigerators)

Lower temperatures are directly proportional to slower flow rate. All membranes are tested at 77°F (25°C). The more TDS in the water supply, the more filter time is required. Higher water pressure enables a higher flow rate. Pressure must be above 50 psi for optimal system flow rate. You may consider installing a booster pump if pressure is below 50 psi.

Package Contents

Inspect the package
Unbox and familiarize yourself with all the components, connection fittings, and reverse osmosis system for a quick and easy installation. Inspect them according to the parts list to ensure nothing has been left out or damaged during shipment. If there are any parts cracked and/or broken, please do not proceed with the installation and contact customer service at 1-877-345-BRIZO (2749).

Specifications
To achieve the optimal performance, it is highly recommended to use the system within the operational parameters.

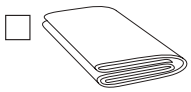
Model	BWQ1001012
System Size (L*W*H)	18" (L) x 6 1/4" (W) x 16" (H)
Environment Temperature	39°F-104°F / 4°C-40°C
Environment Humidity	≤90%
Influent Water Pressure	20 - 80 PSI / 0.14 - 0.6 MPa
Influent Water Temperature	41°F-100°F / 5°C-38°C
Influent Water Requirement	Potable water source (see Influent Water Characteristics chart)
Daily Production Rate*	800 GPD (gallons per day)
Power Specification	Input 100 ~ 240 V AC
	Output 24V DC
Rated Lifespan	1320 gal / 5000L
Rated Pure Water Flow Rate	2.1 L/min

NOTE:
- *The daily production rate is measured under 50 psi influent water pressure and 77 °F (25 °C) water temperature.
- If inlet water pressure exceeds influent water pressure requirement a pressure reducing valve must be installed (to be purchased separately).

Influent Water Characteristics	Min	Max	Units
Turbidity	0	1	NTU
pH**	4	10	pH
Chlorine	Detectable	2	ppm
Hardness	0	19	GPG @ 7.3 pH (per ASSE 1086)
Sulfide, Iron, or Manganese	A maximum total level of approximately 0.01 ppm is permissible		

- Be sure water conforms with specification guidelines.
- If the water supply conditions are unknown, contact your municipal water company or your local health department for a list of contaminants in your area and a list of laboratories certified by your state to analyze drinking water.
- Operating this device with inlet water condition outside of this specification may reduce proper function resulting in reduction in flow rate, reduction of filtration performance, and/or reduction of filter life.
- Use only genuine Brizo Kitchen and Bath Company replacement filters and components for continued contaminant removal and system performance.
- **While the ideal influent pH range is 6.5 to 8.5, operation outside of this range may still fall within acceptable parameters. However, such conditions may adversely affect the expected lifespan of the filters. Performance will vary under non-ideal pH conditions and may require more frequent filter changes.

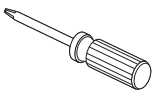
TOOLS AND MATERIALS CHECKLIST



Drop Cloth

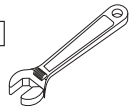
Drill

Drill Bit
1/4" (6 mm) & 3/8" (10mm)
1/8" (3mm) for pilot holes



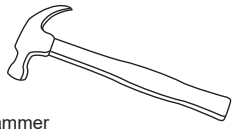
Screwdriver

Bucket

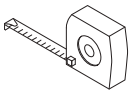


Adjustable Wrench

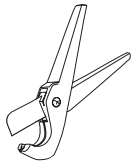
Towel



Hammer

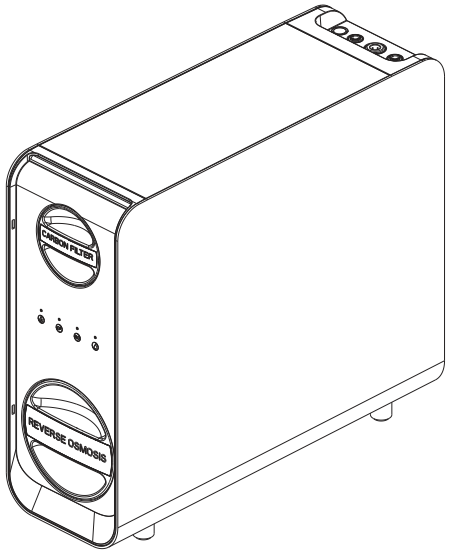


Tape measure

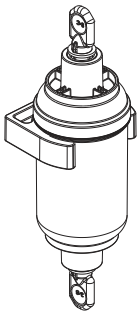


Pex Cutter

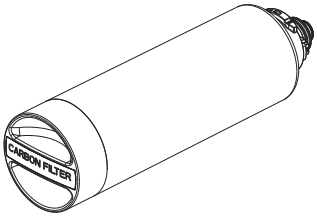
PARTS LIST



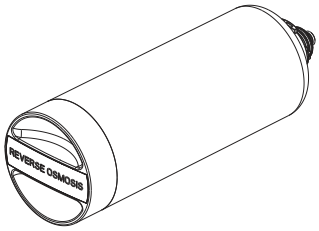
Pristive™ Tankless Reverse Osmosis System



Pre-Filter and
Mounting Clamp

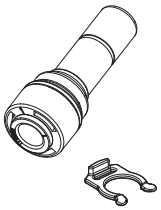


Carbon Filter Cartridge

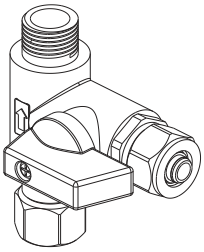


Reverse Osmosis Filter
Cartridge

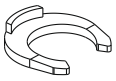
Nitrate / Nitrite Test Strip & Kit



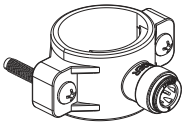
Stem Reducer



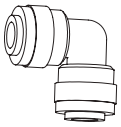
T-Adapter with Stop



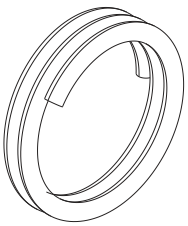
Quick Connector Lock Plate (x3)



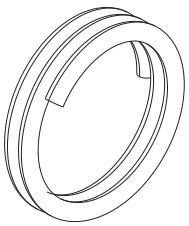
3/8" Saddle Drain



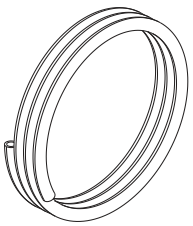
1/4" to 1/4" Push Connection



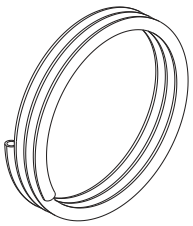
White 3/8" Supply PE Tubing
(20" length)



White 3/8" Supply PE Tubing
(39" length)



White 1/4" Pure Water PE
Tubing (39" length)



Red 1/4" Waste Water PE Tubing
(59" length)

1

CONNECT TO THE COLD WATER SUPPLY

The reverse osmosis system must be connected to the COLD-water supply only.
The reverse osmosis unit should be installed vertical on a flat level surface and cannot be hung or mounted after assembly.

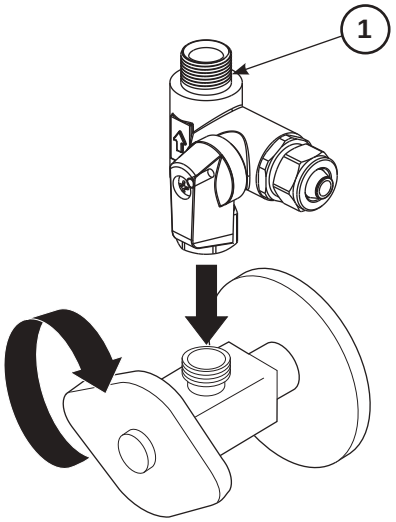
⚠ WARNING

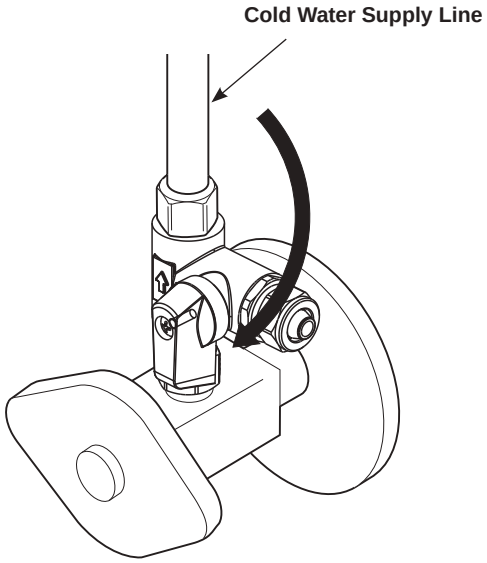
- DO NOT install the system in an area where it will be exposed to sunlight, harmful chemicals, or any place where it may be damaged.
- DO NOT install near a heat source.
- DO NOT install outdoors.

1. Shut off the cold water supply then turn on the kitchen faucet (to release water pressure). Make sure water has stopped running before moving to the next step. You may need a bucket or towel to catch any excess water.
2. Disconnect the cold water supply line from the cold water supply stop.
3. Connect the T-adapter (included with the unit) to the supply stop. Hand tighten, then, using an adjustable wrench, tighten an additional quarter turn. **NOTE:** Do not use plumber's tape or pipe dope on any connections.
4. Reconnect the unfiltered cold water supply line (1) to the T-adapter. Hand tighten, then using an adjustable wrench, tighten an additional quarter turn. **NOTE:** Thread carefully to avoid cross threading.
5. Gently inspect the hose line to confirm it is securely in place. Make sure T-adapter valve is in the off position.

IMPORTANT

- The tubing provided with this system is not designed for use with compression fitting ferrules and should only be used with the provided fittings or push to connect fittings.
- If there are check valves installed on your supply stop make sure they are installed between the T-Adapter and the kitchen faucet.



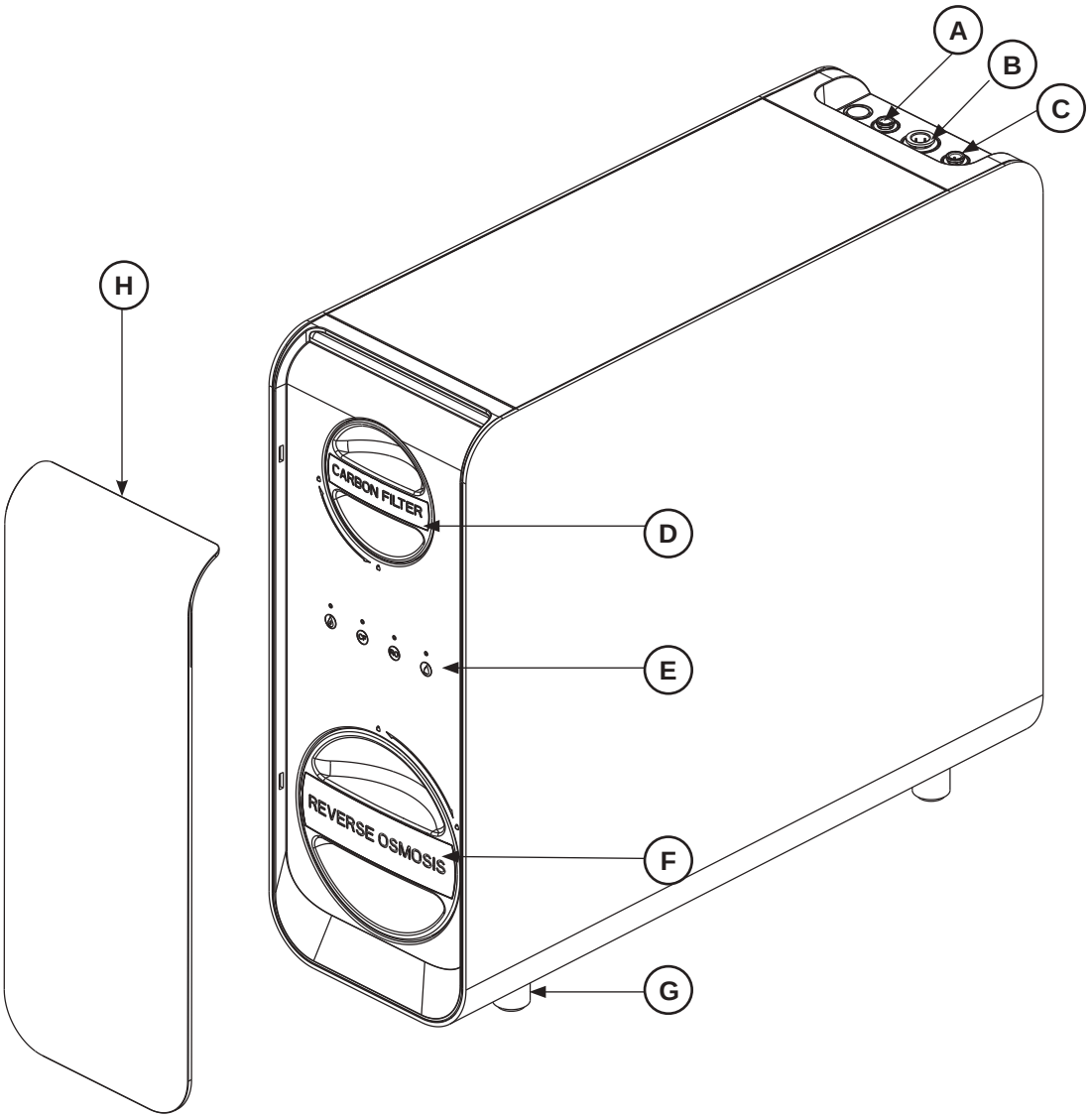


IMPORTANT

If you do not already have a faucet installed STOP here and follow all installation instruction from your faucet manufacturer.

PRODUCT OVERVIEW

Here is a brief introduction of the various parts and features of your reverse osmosis system. Please identify and familiarize yourself with each part for a smooth installation.



Part	Description
A	Waste Water Port (1/4” red)
B	Input Water Port (3/8” white)
C	Pure Water Port (1/4” white)
D	Carbon Filter Cartridge
E	Display Panel
F	Reverse Osmosis Filter Cartridge
G	Foot Pad
H	Decorative Front Cover

2

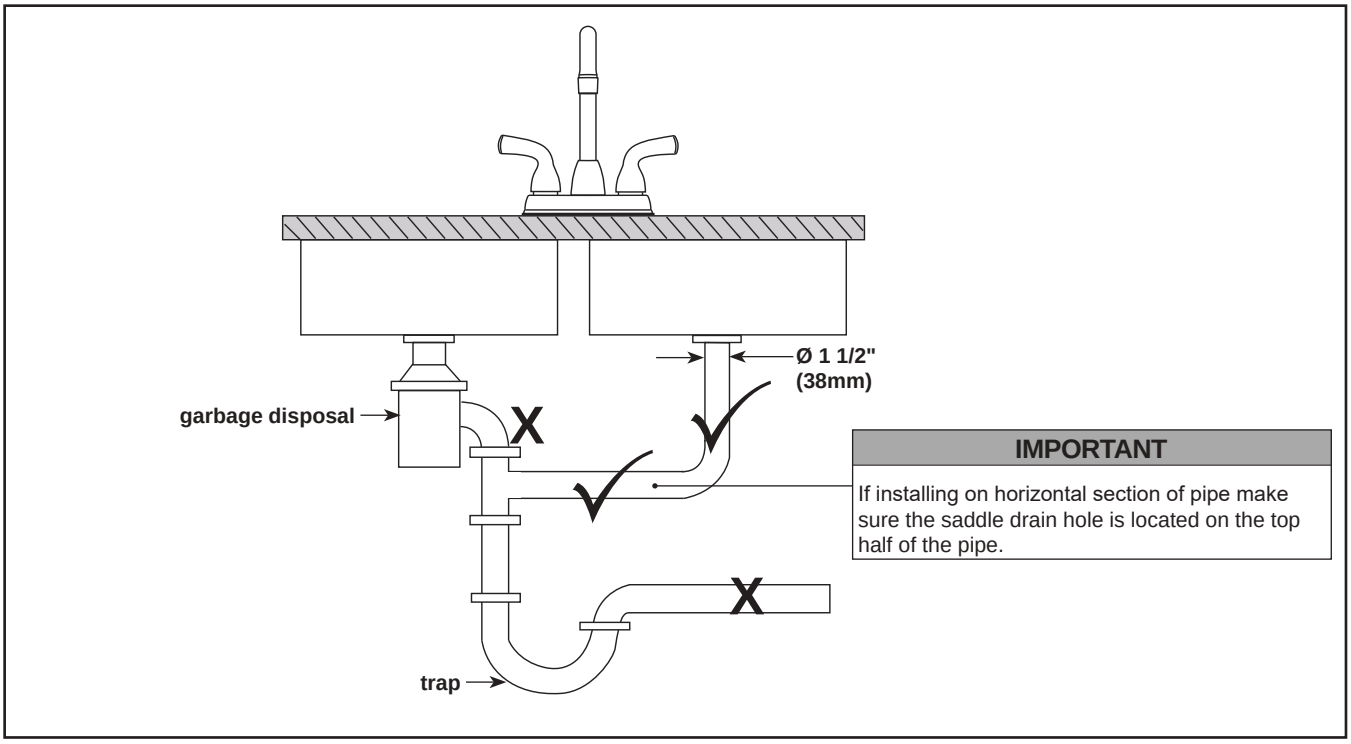
PREPARE THE WASTE-WATER SADDLE DRAIN CONNECTION

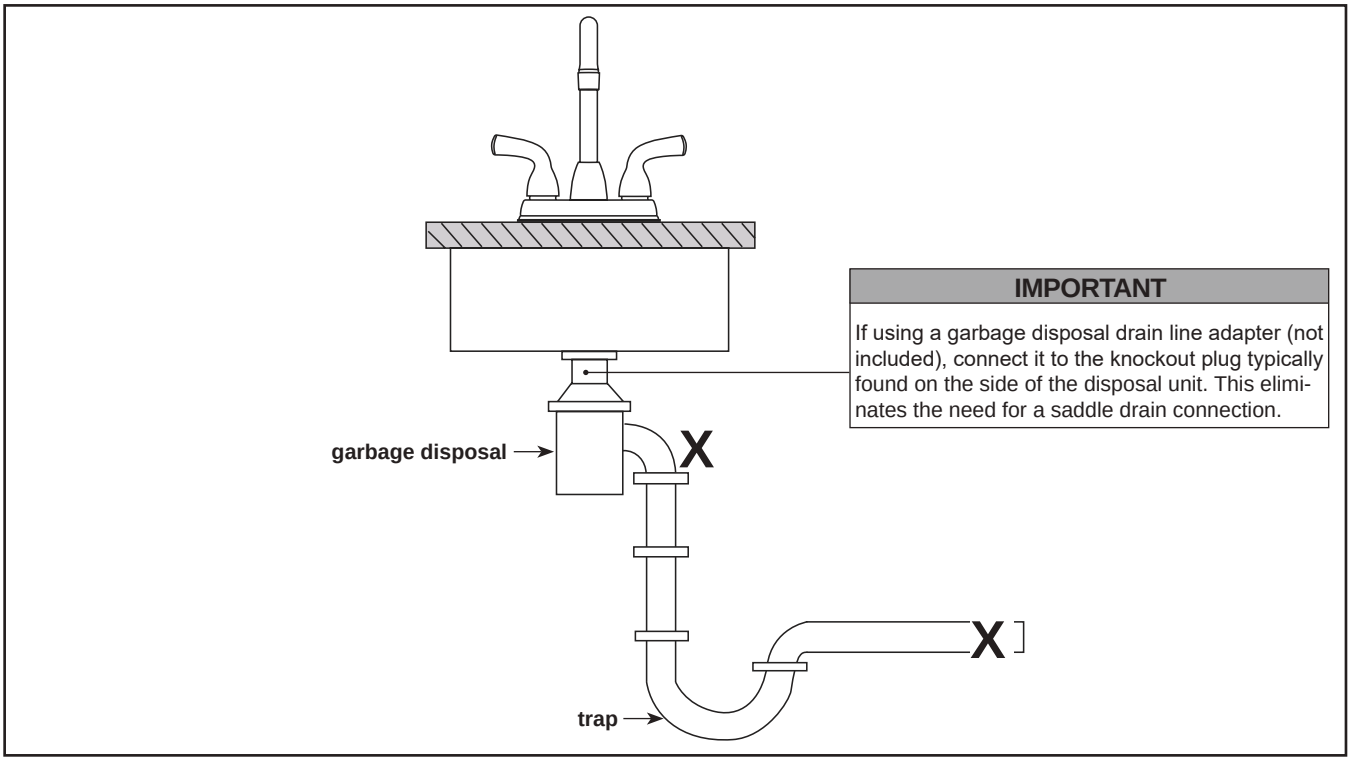
The reverse osmosis system requires a waste water connection to be installed, which removes rejected water to the sewer. The provided saddle drain connects the waste water line from the unit to the drain pipe. The saddle drain is designed to fit around a standard 1 1/2" OD (outer diameter) drain pipe.

NOTE: If the system is being installed in a region governed by the UPC or IPC plumbing codes, a UPC or IPC approved drain line adapter should be used. (See Figure 3B)

Always install the saddle drain BEFORE the P-trap. Refer to image to ensure your saddle drain is placed on the appropriate vertical or horizontal section of the pipe.

Do not install the drain saddle to a section of piping that is located after a garbage disposal or dishwasher drain, to avoid clogging. A drain line adapter connected to the garbage disposal dishwasher inlet may be required.





3

CONNECTING THE SADDLE DRAIN

1. Determine the location for the saddle drain and make a mark on the pipe for the opening.

   NOTE: if installing on horizontal section of pipe make sure the saddle drain hole is located on the upper half of the pipe.

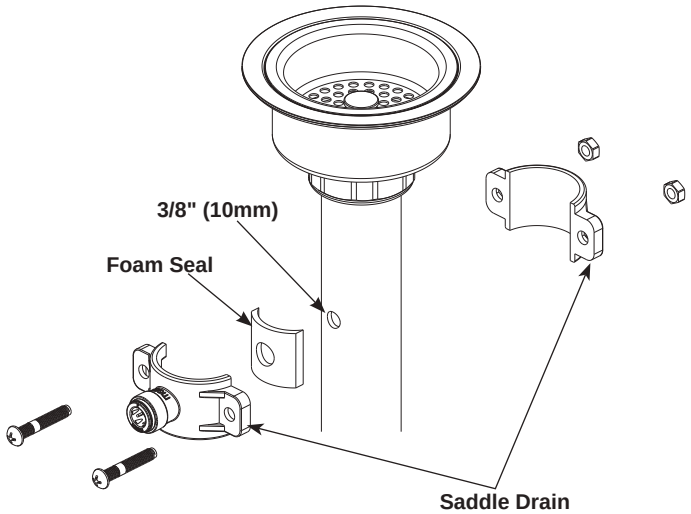
2. At the marked location drill a 3/8” hole through the wall of the drain pipe.

IMPORTANT
Risk of property damage. Do not drill through the opposite side of the drain pipe.

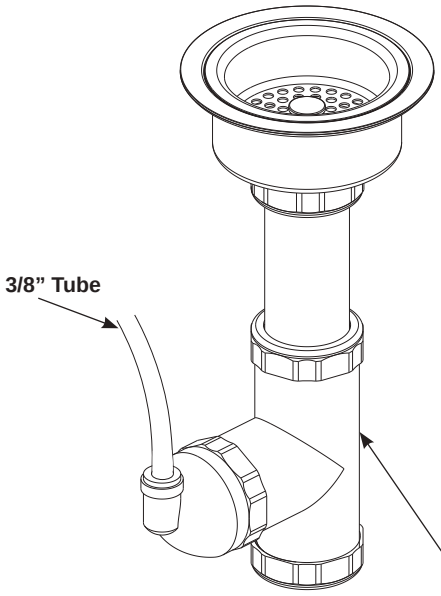
3. Remove the backing from the foam gasket and align with the hole on the saddle drain. (Stick the adhesive side to the saddle drain).
4. Position both halves of the saddle drain around the drain pipe with the opening aligned with the drilled hole. Use a pencil or straw in the opening to ensure proper alignment.
5. Secure the sides of the saddle drain using the bolts and nuts provided. Do not overtighten.

TIP: If your faucet installation comes with an airgap you may not need the stem reducer.

3A. Saddle Connection

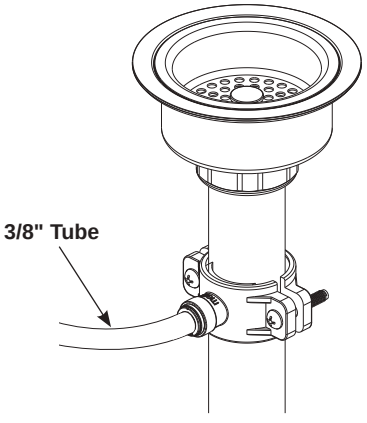


3B. Drain Line Adapter (not included)

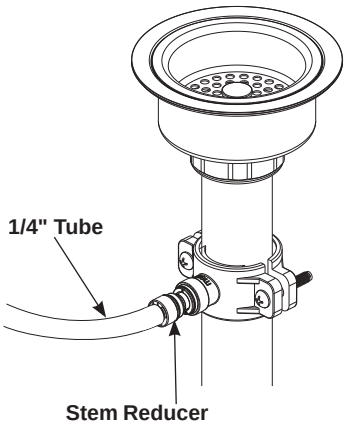


Install based on manufacturer’s instructions

Without Stem Reducer



With Stem Reducer



4 REVERSE OSMOSIS HOUSING SET UP

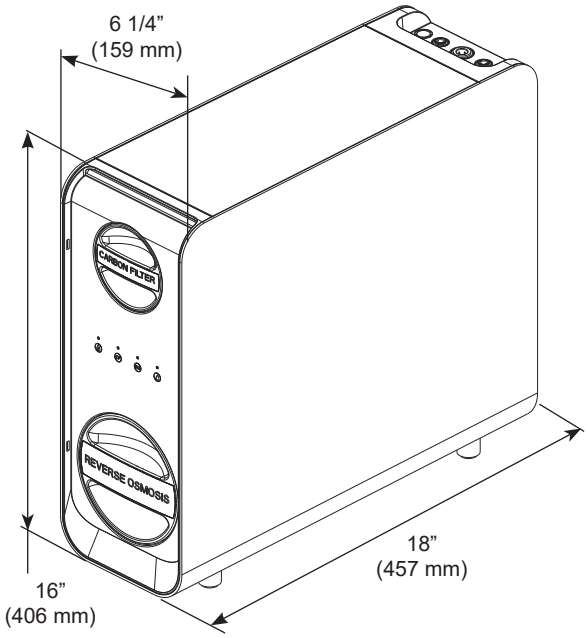
Check to ensure the cabinet has sufficient space to install and service the filtration system (18” x 6 1/4” x 16”). Position the unit so the front panel is facing toward you. This will make viewing the display panel and future filter replacements easy and convenient.

NOTE: It is not recommended to place the unit where it will be in contact with or against the cabinet wall or pipes as there may be soft vibrations while the system operates.

a. The power-supply receptacle for the appliance shall be installed in a cabinet or on a wall adjacent to the undercounter space in which the appliance is to be installed.
   - There shall be an opening through the partition (if applicable) between the compartments specified in (a) that is large enough for the attachment plug to pass through. The longest dimension of the opening shall not be more than 1 1/2” (38 mm).
   - The edges of the opening specified in (b) shall, if the partition is wood, be smooth and rounded, or, if the partition is metal, be covered with an edge protector (not included) provided for this purpose by the manufacturer.

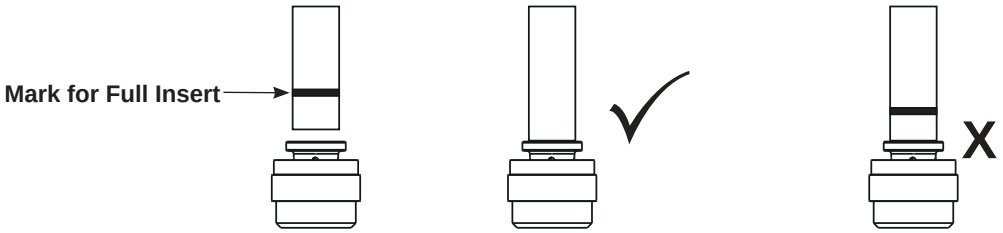
b. Exercise care in installing and removing the appliance to reduce the likelihood of damage to the supply cord.

c. The reverse osmosis unit should be installed vertically on a flat level surface and cannot be hung or mounted after assembly.



IMPORTANT
Failure to install in a vertical upright position on a level surface may cause property damage or failure to function.

How to use the quick-connect fittings

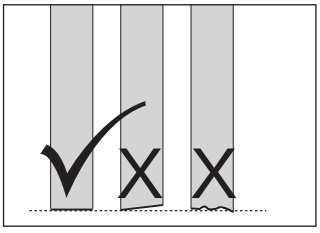


If the hose or tubing does not already have a depth insertion mark or to complete the install you needed to cut to length, measure 5/8” from the end of the tube and with a marker draw a line around the tube. This will be your depth insertion indicator. Insert tubing until the depth insertion mark is no longer visible.

IMPORTANT
If you determine the tube lengths are too long for your installation and must be shorter to create an acceptable installation, be sure to plan ahead. When cutting waterline tubing, the installer accepts the responsibility to do so in a way that allows a leak-free joint to be created. Delta Faucet Company is not responsible for tubing that is cut too short or cut in a way that will not allow for a leak free joint. Do not use pipe dope or other sealants on waterline connections.

Custom Fit Connections

- Determine desired length of supply tube, leaving 1"- 2" of extra length to allow for easier installation.
- Cut tube, **ensuring it is cut straight and burr free.**



5 COMPLETE THE INSTALLATION

5A. Inlet water hose

1. Gather both (39” & 20” length) pieces of 3/8” PE hoses (White) and the Pre-Filter.
2. Dry fit the Pre-Filter into the space and identify a good location for mounting. Ensure the location chosen can reach the proper connections. Refer to Figure 1 for orientation.

   NOTE: based on your installation space you may use either hose length first but it is recommended to use the longer (39” length) hose to make the connection from (1) to (2) and the shorter (20” length) hose to make the connection from (3) to (4). (see Figure 4)
3. Mark the intended location for the mounting clip using a pencil.
4. Install the mounting clip based of the dry fit location determined in steps 3 & 4.
5. If installing on a wood surface, use a 1/4” drill bit to drill a hole at the determined location. Insert the anchor into the hole. Then install the C-Clip with the provided screw. (see Figure 2)

   TIP: If you are installing the optional remineralizer stop here and complete the mounting process for the remineralizer before proceeding.
6. Connect end (1) of the 3/8” white PE hose to the T-adapter valve by unscrewing the nut and sliding the nut onto the hose. Then press fit the hose onto the nipple. Make sure the hose is flush to the bottom of the compression fitting before tightening the nut.

   NOTE: Thread carefully to avoid cross threading. (see Figure 3).

   TIP: It is recommended to flush the supply line prior to connecting the the Pre-Filter. Use a small bucket to catch the water and quickly flush water through the line by opening and closing the shut off valve on the T-adapter.
7. Use one end of each 3/8” PE hose (determined in the dry fitting step) to connect to ends (2) and (3) of the Pre-Filter (refer to Figure 4 for proper orientation). Firmly insert the hose into the integrated push connect fittings on the Pre-Filter until the depth insertion indicators are not visible. Then insert quick connector lock plate into slot positions on both sides of the Pre-Filter.

   NOTE: Arrow indicates water flow direction.
8. Remove inlet water stop plug. See Figure 4 (4).
9. Connect end (4) into the water inlet port on the reverse osmosis system until the depth insertion mark is not visible. Then insert the quick connector lock-plate into the slot position of the quick connector. (see Figure 4)
10. Check all connections are fully inserted and secure.

Figure 1

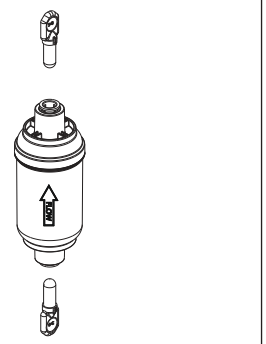


Figure 2

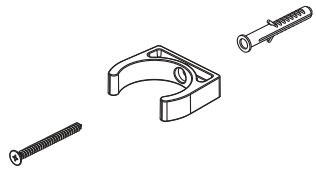


Figure 3

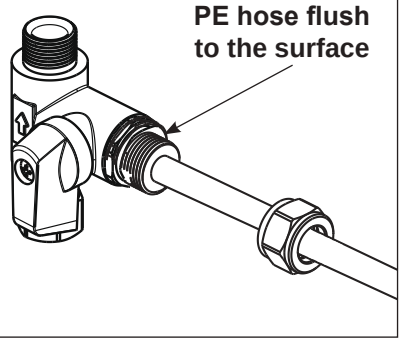
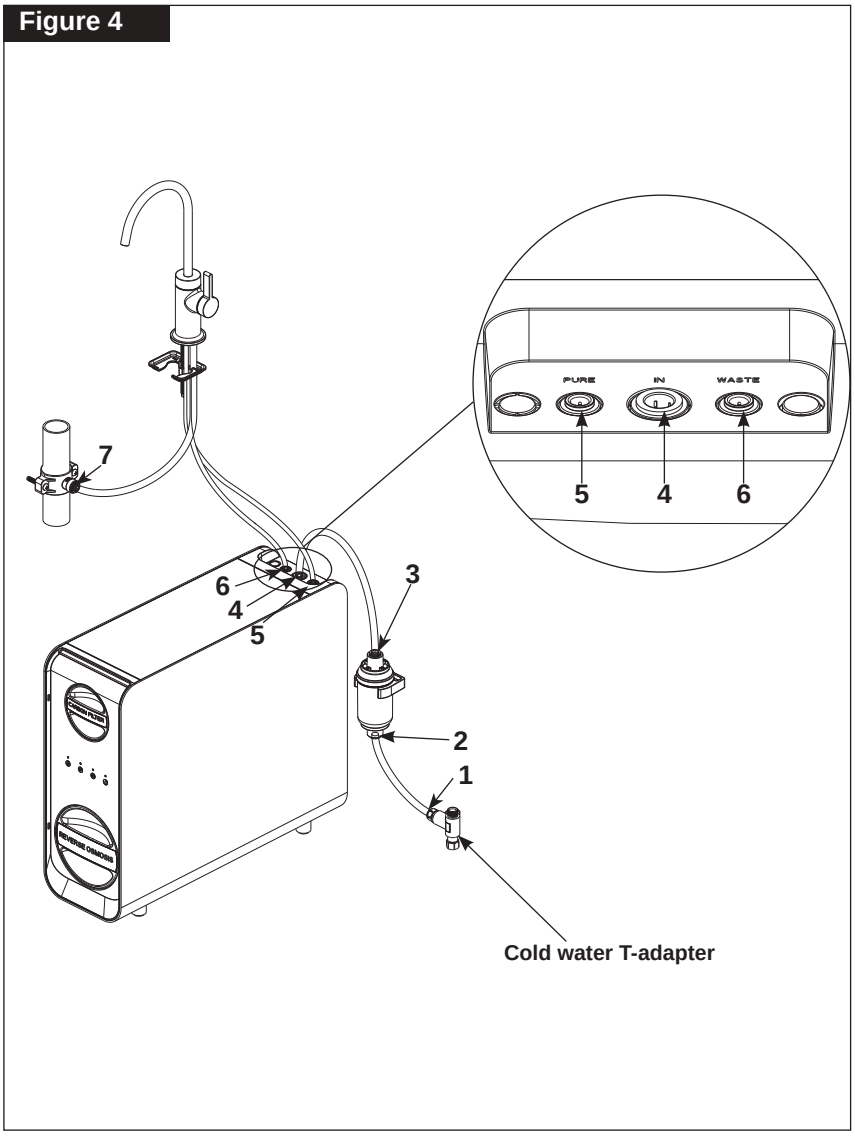


Figure 4



⚠ WARNING

The waste water outlet must be connected to the sewage drain and fixed properly. Do not use a water storage device to collect the waste water to avoid the filtration's automatic flushing sequence. This will cause overflow.

5B. Waste water hose installation:

1. For Installations using a beverage faucet with an integrated airgap:
   - If you are using a faucet that contains an airgap, please refer to the manufacturer's instructions for installation.

     NOTE: For faucets that come with integrated hose lines, you may not need all the tubing provided with your system.
2. For Installations using a beverage faucet without an integrated airgap (separate airgap required, not included):
   - Insert the stem reducer into the saddle drain connection.

     NOTE: The use of the stem reducer may not be necessary depending on the outlet of the drain line connected from the air gap (not included). Please check compatibility before installation.
   - Remove the wastewater stop plug. See Figure 5 (6). Connect one end of the ¼" red PE wastewater line into the wastewater outlet port (6) located on the unit. (See Figure 5). Refer to the air gap manufacturer's instructions for proper installation of the wastewater line.
   - Take the outlet of the wastewater drain line connection and insert it into the saddle drain (7) the stem reducer may be needed depending on your airgap configuration. (See Figure 5).
   - After hose is fully inserted use the quick connector lock plate at the slot position of the quick connector. (See Figure 6).

Figure 5

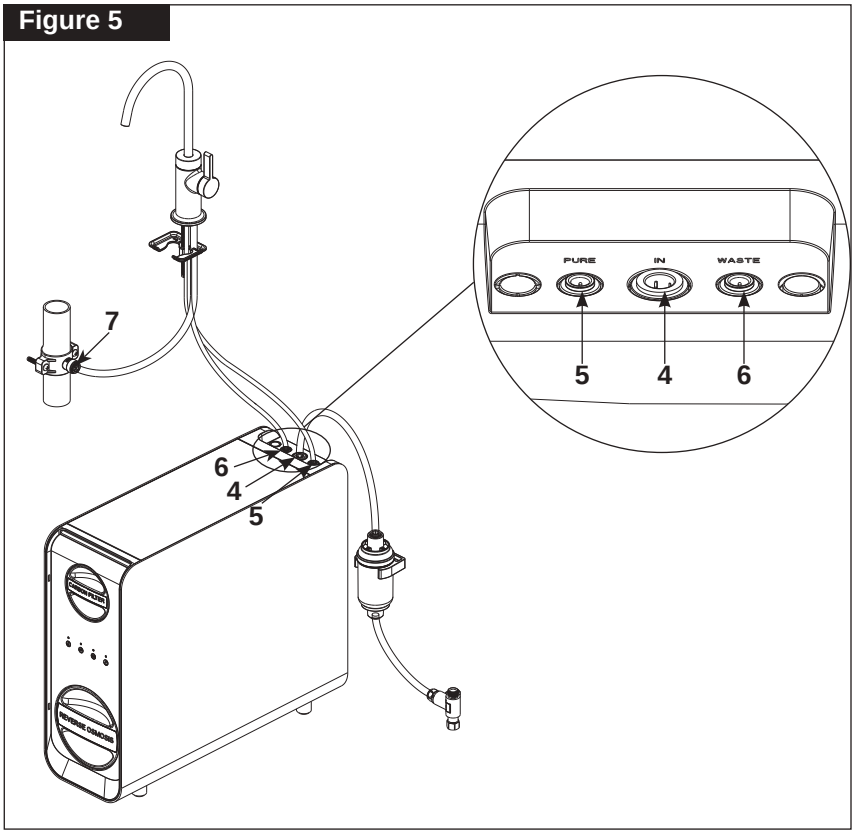
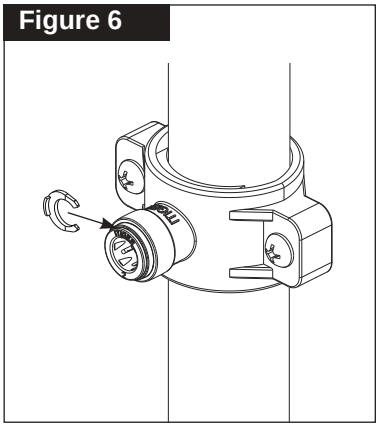


Figure 6



5C. Purified water hose installation:

1. For faucets without integrated hose lines:
   - Remove pure water stop plug. See Figure 5 (5). Using the 1/4" PE white hose insert one end into the purified water outlet (5) on the filtration device. (see Figure 5). Then insert quick connector lock plate into the slot position.
   - Then connect the remaining end of the 1/4" PE white hose to your faucet. Refer to the faucet manufacturer's instructions for proper installation.
2. For faucets with integrated hose lines:
   - Remove pure water stop plug. See Figure 5 (5). If you are using a faucet that contains integrated hose lines please refer to your faucet manufacturer's instructions for installation to the purified water outlet (5) on the filtration device. (see figure 5).

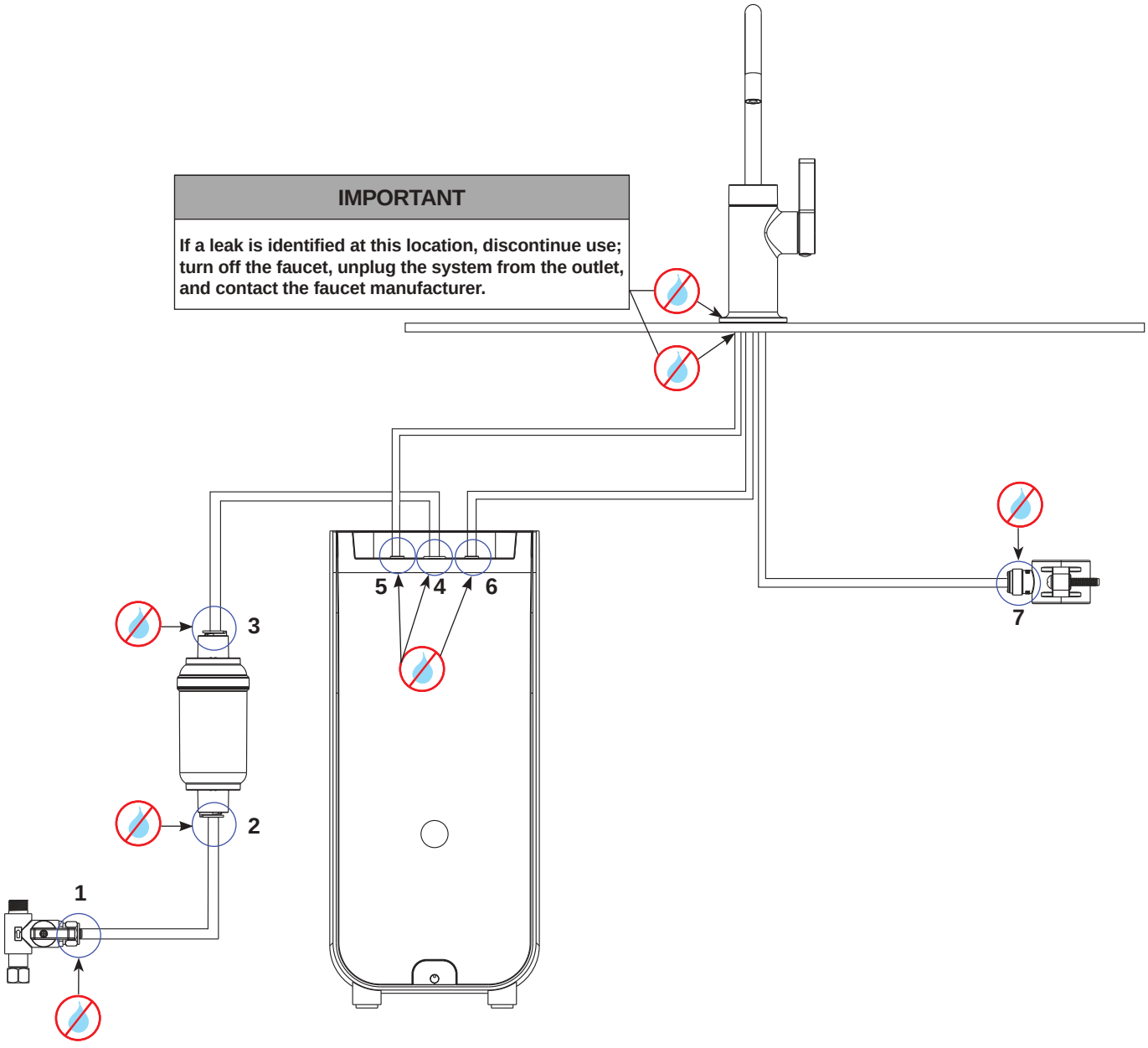
     NOTE: For faucets that come with integrated hose lines, you may not need all the tubing provided with your system.
   - After the hose is secure, insert the quick connect lock plate into the slot position of the quick connector. (see Figure 6)
   - For faucets with integrated hose lines that do not extend far enough to reach the unit with, you may need the 1/4" to 1/4" push connect adapter to extend the hose line.

5D. START UP THE FILTRATION SYSTEM

1. Ensure all water connections are completed as described in the installation section.
2. Check that the filters are installed and locked into place. Refer to Figure 1 of the filter cartridges replacement section for proper orientation.

   NOTE: You should feel a click when the filter cartridges are fully inserted.
3. Make sure the beverage faucet handle is in the closed position.
4. Turn on cold water supply & open the T-adapter shut off valve to the inlet water line.
5. Plug in the power cord to the outlet. The unit will begin a 5 minute auto flushing sequence. After power on, the unit will beep and various display lights light up together. Each indicator lights up in sequence (blue, purple, and red) for approximately 1 second, while the monochrome light stays on for 3 seconds.

   NOTE: The minimum power required for this unit is 80W; Ensure outlet has proper power to safely operate the unit. Visit the troubleshooting section if there are power supply issues.
6. After all connections are made, visually inspect the system to ensure no water is leaking (Refer to the below system diagram for inspection points).
7. After you are sure there are no leaks at any of the connections, proceed to the FIRST USE section before using your system.



6 FIRST USE

Flushing

1. Turn the faucet handle to open to begin the manual flush of the system.
2. Flush the filter cartridges for approximately 30 minutes to break in the filters before drinking.

   NOTE: During flushing, the water filtering light flashes blue, and after flushing is complete, the water filtering light will remain on. When not in use the water filtering light will turn off.
3. During the flushing sequence it is important to monitor the system carefully. Visually inspect for leaks and check the sealing between all components of the system. **TIP:** Use a tissue to wipe each connection down and check if there is any moisture on the tissue paper.
4. After completion of the manual flushing sequence, you may turn off the faucet. If there are no leaks, your system is ready to use!

   NOTE: During the flushing process, if the user closes the pure water outlet of the faucet, it will continue to execute the flushing sequence in next power on.

Display Normal Operation							
Visual					**Audble**	**Filtered Water Status**	**Description**
Water	Carbon Filter	RO Filter	Quality	Water Dispensed	Beep		
	BLUE	**BLUE**		No		**Stand By Mode**	Standby Operation, filter status is good.
BLUE	**BLUE**	**BLUE**	**BLUE**	Yes		**In Use Mode (Low TDS Content)**	Under normal operation, this system is production filtered water with low TDS (<100ppm), this level indicates effiective filtration, reducing minerals and impurities.
BLUE FLASHING	**BLUE**	**BLUE**	**BLUE FLASHING**	No		**Auto Flushing Cycle**	For optimal performance and water quality the system will perform self-flushes. This is normal and should be expected at the following intervals • 5 minutes after displensing water. • 2 hours of accumulated filtered water use. • 12 hours idle or no use. **if during the flushing sequence filtered water is dispensed, the system will pause the flushing cycle and provide filtered water.*
Display Filter Replacement							
BLUE	**PURPLE**		**Any**	Yes	Twice While Dispensing	Carbon Filter Replacement Reminder	Your carbon filter has approximately 3 weeks of life remaining. This is your early reminder to order a replacement filter soon to ensure continued optimal performance and water quality. **Remaining capacity is less than 21 days or 53 gallons; notification of filter replacement is based on time or approximate volume usage, whichever comes first.*
BLUE	**RED**		**Any**	No	While Dispensing	Carbon Filter Replacement Alert	Your carbon filter has reached the end of it's service life and is no longer operating within optimal parameters. Replace immediately to maintain water quality and system performance.
BLUE FLASHING		**PURPLE**	**Any**	Yes	Twice While Dispensing	RO Filter Replacement Reminder	Your RO filter has approximately 3 weeks of life remaining. This is your early reminder to order a replacement filter soon to ensure continued optimal performance and water quality. **Remaining capacity is less than 21 days or 53 gallons; notification of filter replacement is based on time or approximate volume usage, whichever comes first.*
BLUE		**RED**	**Any**	No	Twice While Dispensing	RO Filter Replacement Alert	Your RO filter has reached the end of it's service life and is no longer operating within optimal parameters. Replace immediately to maintain water quality and system performance.

CARE AND MAINTENANCE

Actual service life of filter cartridges may differ depending on local water quality.

If the filter cartridge is blocked or fails prematurely, replace the filter cartridge.

If the filtration system is not used for more than a ONE MONTH (meaning the unit will not have power or the water will be shut off), remove the Carbon Filter & Reverse Osmosis Filter cartridges and seal with cling film or in a plastic bag. Then store in the refrigerator to reduce the growth of bacteria.

DO NOT put in freezer. You do not need to disconnect the Pre-Filter during long term storage.

If for any reason you disconnect the Pre-Filter and leave idle it is recommended to replace immediately.

To properly prepare your system for long term storage:

- Open the water faucet.
- Shut off the water source from the T-adapter connection.
- Wait till water has been cleared from the system.
- Unplug the unit from the power source.
- Turn off water faucet.

⚠ CAUTION

When restarting up the system, it is necessary to perform a manual flush. Install the filters and run water through the reverse osmosis system for 10 minutes before using the filter water. Otherwise, the filter cartridges need to be replaced before use.

REVERSE OSMOSIS FILTER AND CARBON FILTER CARTRIDGE REPLACEMENT

1. Ensure the water faucet is turned off and the indicator light reflects standby mode (not on or blinking).
2. Grip the handle and rotate the filter cartridge counter clockwise.
3. Pull cartridge out of the unit.

   NOTE: Due to the pressure relief you may see a few drops of water when removing the cartridge. To minimize water drops, keep the filter upright and handle end down.
4. Remove protective cap from the fitting end of the filter. Insert the new filter replacement into the filtration unit with the fitting end first. (see Figure 1)
5. Rotate the cartridge clockwise while applying slight pressure until the cartridge locks into place.

   NOTE: Cartridge must be rotated to the horizontal position.
6. Repeat 2 through 5 for other filter.
7. Press and hold the CF filter life indicator for 5 seconds. Once complete, the indicator light will turn blue and there will be 1 beep. Immediately press and hold the RO filter life indicator for 5 seconds. Once complete, the indicator light will turn blue and there will be 1 beep. An automated flush will begin, lasting approximately 5 minutes.
8. Turn on the faucet and perform a system flush for 30 minutes after the new carbon filter and reverse osmosis cartridges are installed.
9. Your water is ready to use!

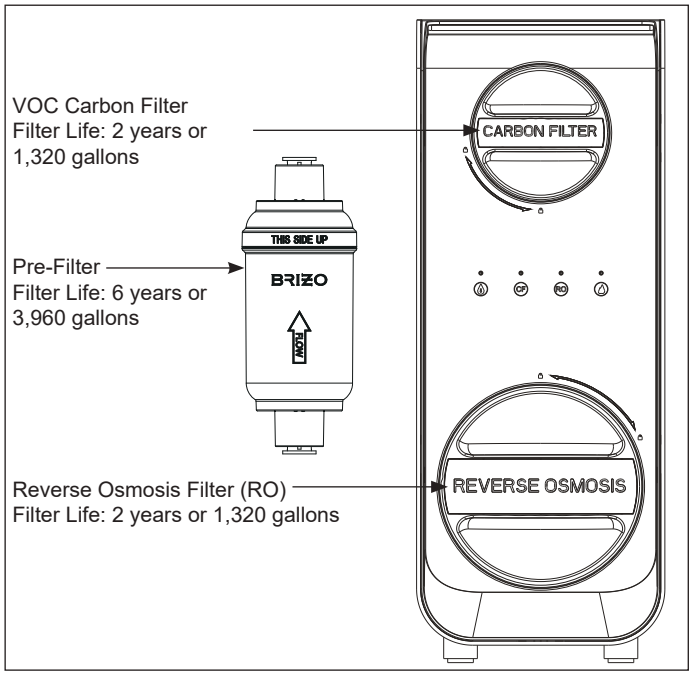
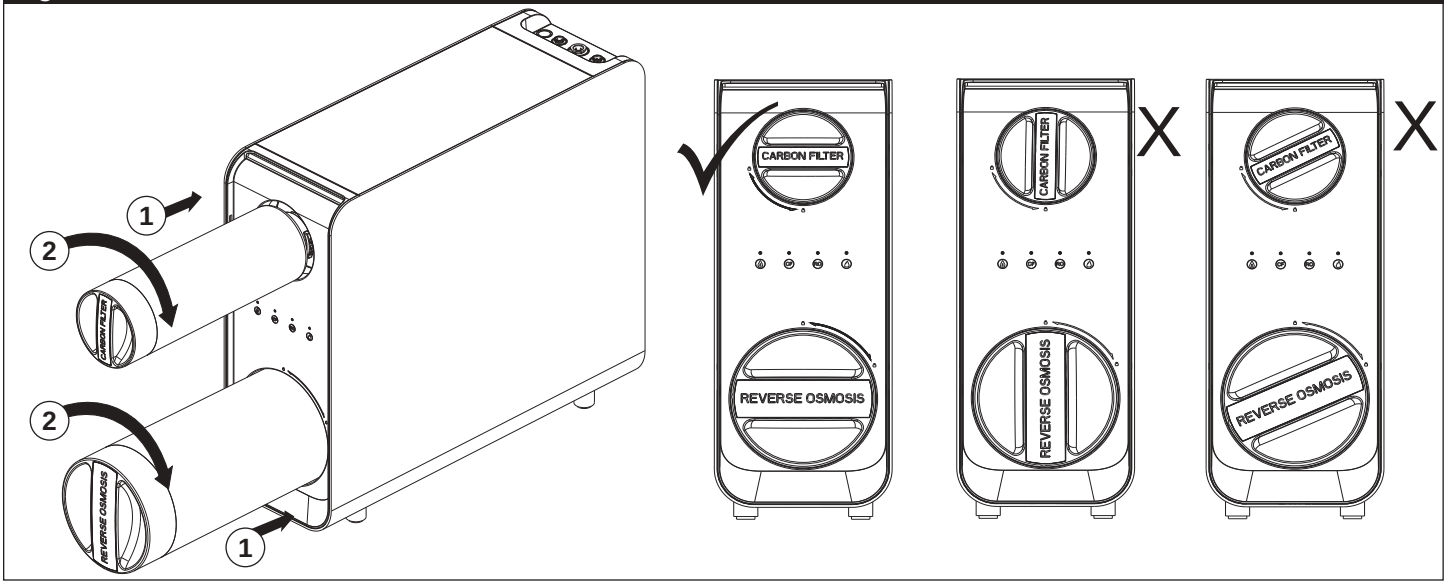


Figure 1



PRE-FILTER REPLACEMENT

1. Shut off water supply at the cold water connection. (see Figure 1)
2. Turn on kitchen faucet to dispel water and depressurize the line.
3. Unplug the unit from power supply.
4. Remove the quick connect lock plate from filter end. (see Figure 2). Hold the white ring down against the connector body while pulling the tubing outward. Repeat step 4 for other end.
5. Visually inspect the hose ends for burrs or damage.
6. Take the new filter and remove the seal plugs. (see Figure 3)
7. Ensure proper orientation (see Figure 4) and insert the hoses back into the push connect fittings.
8. Confirm the depth insertion indicators are not visible and there are no kinks in the line. After hose is secure, insert the quick connect lock plate into the slot position of the quick connector. (see Figure 5)
9. Turn the water supply back on and plug the unit back into the power supply.
10. Visually inspect for leaks as the unit starts back up.
11. Pre-Filter is ready to use!

Figure 1

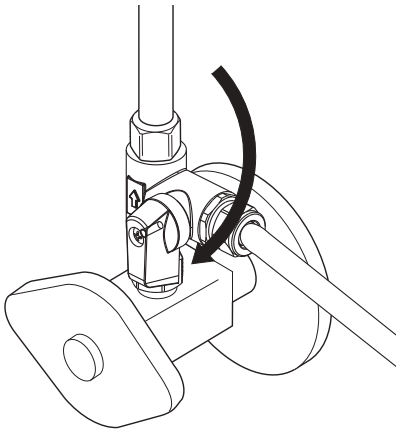


Figure 2

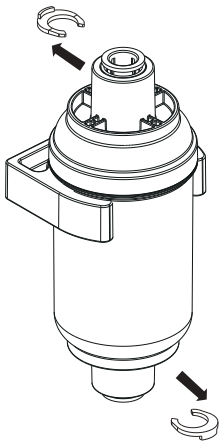
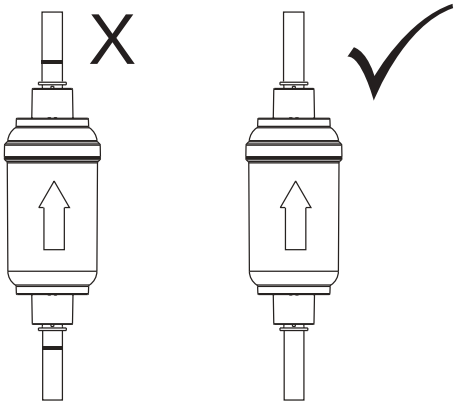
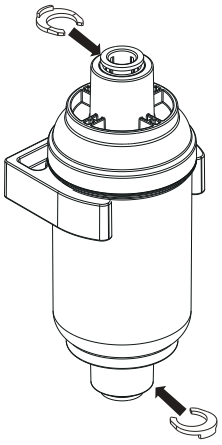


Figure 3

Figure 4

Figure 5





TROUBLESHOOTING GUIDE
Call us at 1-877-345-BRIZO (2749)

Problem	Probable cause	Solution
Noise during use	• The unit will generate a soft noise during operation. • The unit is resting against a pipe. • Unit is not level. • Reduced inlet water flow may cause increased system noise.	• This is normal; if noise is louder than desired 1. Drape a towel over the top and sides of the system to help dampen noise within the cabinet. 2. Place rubber or foam padding underneath and around the unit to absorb vibration and reduce sound transfer to cabinet surfaces. • Move the unit away from the cabinet wall and pipes. • Position the unit on a flat level service. • Verify adequate inlet water flow by disconnecting the supply hose from the inlet port and observing flow into a container. If the flow rate is below specification, inspect upstream plumbing for partially closed valves, debris, or other restrictions that may limit water supply to the unit (a restricted or choked inlet can cause pulsing operation and increased noise during use).
Beeping during use	• The reverse osmosis unit will notify you when the filters are reaching the end of their life. You may hear moderate beeping coming from the unit while in use.	• Replace filter cartridges. Refer to Display Panel Charts for Normal Operation (page 14), Filter Replacements (page 14), and Troubleshooting (page 19).
Water tastes like tap water.	• Incorrect hose installation. • Filter cartridges need to be replaced.	• Confirm faucet supply line is installed to the correct outlet on the unit. • Order new filters and replace as soon as possible.

There is a water leak.	• Incorrect installation
	  • Push connect fittings (review instructions for straight cuts).
	  • Threaded connections.
	• Damaged component.
		• Visually inspect all user made connections.
		• Turn off the water & power supply. Visually inspect all components for water. Contact our customer service.

The system does not dispense water	• System is on and attempting to pump water; no water is being dispensed.
	  • The system's filter life indicators are flashing. Red with beeping: Water is inside the unit (the water filtration light will turn off, and the filter life indicators will flash red. A beeping sound will notify the user of water sensed within the unit for more than 3 seconds).
	• Stuttering (starting and stopping frequently).
		• Verify the cold-water supply valve and the T-adapter are in the OPEN position.
		• System's filter life indicators:
		  • Was there a spill? If while changing or installing the hoses water spilled on or inside the unit, take a towel and wipe up the excess water. For water inside the system tilt forward to drain out the water. After, water is cleared out, the system will resume normal function.
		  • If alarm continues after water has been cleared out, contact our customer service.
		• Unplug/plug back in.

Use with refrigerator	• Some applications with a refrigerator will cause a stuttering as it attempts to dispense filtered water. (In some cases this can trigger the rapid cycling fault)	• You may need to install an accumulator in line to the filtered water to alleviate the stuttering. If available consult you refrigerator owner's manual, for installing a reverse osmosis system to your water dispenser. If additional help is needed please contact customer service. • Review (Page 19) the Display Troubleshooting chart: Rapid Cycling Fault for resolution.

There is no power to the unit.	• Outlet intended for unit does not have power. • GFCI has tripped. • Circuit is overloaded. • Damage to the unit.	• Verify outlet has power or power is turned on (for those on a switch). • Reset GFCI outlet; if the problem continues, contact a licensed electrician. • Having too many appliances on the same circuit can trip the circuit breaker. • Confirm unit has power by plugging into a working outlet. If unit cannot be turned on contact customer service.
The is no water or low flow rate from the RO faucet.	• Filter needs to be replaced (check the filter life indicators to confirm if filter needs changed). • The water supply valves are not fully in the OPEN position. • Low water pressure or low water temperature. • A hose is restricted. • Pre-Filter has become clogged.	• Replace the filters. • Check the cold water shut-off valve, T-adapter valve, and the faucet to ensure they are FULLY OPEN. • Check to confirm the water pressure is within the feed water pressure specification (pg 3). **NOTE:** Low water pressure and temperature can contribute to a variation in flowrate. • Visually inspect all hoses for crimps or kinks in the line. Unkink or replace hose as needed. • To unclog the Pre-Filter, temporarily reverse the flow: Refer to Pre-Filter replacement section (pg 16) to uninstall then proceed to flush the Pre-Filter. Reconnect (do not connect to unit, run water to a bucket), then flush the filter for approximately 5-10 seconds (turn water on slowly). Return the Pre-Filter to its original position referring to the flow direction arrow. Confirm that waterflow has returned to normal.

Display Troubleshooting							
Visual					Audble	Filtered Water Status	Solution
Water	Carbon Filter	RO Filter	Quality	Water Dispensed	Beep		
BLUE			**PURPLE**	Yes		**Moderate TDS Content**	This system is producing filtered water with moderate TDS (<150ppm). 1. Test the source water and filtered water. Filtered water TDS shall be approximately 5-10% of source water's TDS. If the source water TDS is high, it may reduce the service life of the filters.
BLUE			**RED**	Yes		**High TDS Content**	This system is producing filtered water with high TDS (>150ppm). 1. System idle for extended time – Manually flush the system for 10 minutes (TDS should stabilize). After flushing, test both source and filtered water. Filtered TDS should be around 5– 10% of source TDS. 2. Incorrect hose connection – Ensure the filtered and waste lines are not reversed. 3. High source water TDS – If source water TDS is high and the filtered TDS exceeds 10–20% of that, filter life may be shortened. 4. Damaged filters – Inspect all filters for cracks or damage. Replace if needed
	RED	**RED**	**RED**	No	Every 30 seconds	**Leak Detection Fault** (System has detected water inside the case)	Unplug unit. Resolve tubing leak or spill. Tip the case forward 45° to drain.
	RED		**RED**	No	5x	**Low Temperature Fault** (below 37°F (3°C))	After water temperature is above 37°F (3°C) limit, unplug the unit for 30 seconds.
	RED FLASHING	**RED FLASHING**		No	Constant	**Run Time Fault** (over 33 minutes)	Unplug the unit for 30 seconds. 1. The unit operated continuously for 33 minutes or more, triggering the runtime fault protection. 2. Check for leaks between the system and outlet device. Verify there is no leak out of the outlet device. Verify the waste and faucet supply lines are not swapped. 3. Verify supply shut off or T-adapter are fully open; supply tube is not kinked, and there is no blockage in prefilter. 4. Verify RO and Carbon Filter cartridges are fully installed and locked in place.
	PURPLE FLASHING	**PURPLE FLASHING**			5x	**Rapid Cycling fault**	Cause: Tankless units provide water on demand if the unit is providing water to an appliance in consistent short intervals it will result in the unit turning on and off frequently tripping the fault. Unplug the unit for 30 seconds. 1. Slow leak downstream of system: Verify there is no leak out of the outlet device, or between the outlet device and the system. 2. Outlet device is too restrictive: Devices such as icemakers [including refrigerators or humidifiers that take frequent short water pulses] may be too restrictive in large volumes. Try an accumulator tank to reduce the pulsation.

Limited Warranty on Brizo® Water Filtration Systems

This Brizo® water filtration system is warranted to the original consumer purchaser or commercial user, as applicable, to be free from defects in material and workmanship for the applicable period specified below:

Water Filtration Machines, Housings, and Components: Five (5) years from the date that the product is received by the original consumer purchaser or their authorized representative (installation contractor, etc.).

Filter Cartridges (including Pre-Filters, Remineralizer, and Replacements): Thirty (30) days from the date that the product is received by the original purchaser or their authorized representative (installation contractor, etc.).

What We Will Do: Brizo Kitchen and Bath Company will repair or replace, free of charge, during the applicable warranty period (as described above), any part that proves defective in material and/or workmanship under normal installation, use and service. Brizo Kitchen and Bath Company may, in its sole discretion, use new, refurbished or recertified parts or products for such repair or replacement. If repair or replacement is not practical, Brizo Kitchen and Bath Company may elect to refund the purchase price (the return of the product may be required at Brizo Kitchen and Bath Company's option). **These are your exclusive remedies.**

What Is Not Covered: Because Brizo Kitchen and Bath Company is unable to control the quality of Brizo products sold by unauthorized sellers, unless otherwise prohibited by law, this warranty does not cover Brizo products purchased from unauthorized sellers.

Any labor charges incurred by the purchaser to repair, replace, install or remove this product are not covered by this warranty. Brizo Kitchen and Bath Company shall not be liable for any damage resulting from reasonable wear and tear, outdoor use, misuse (including use of the product for an unintended application), abuse, neglect or improper or incorrectly performed installation, maintenance or repair, including failure to follow the applicable care and cleaning instructions. Brizo Kitchen and Bath Company recommends using a professional plumber for all installation and repair. We also recommend that you use only genuine Brizo® replacement parts.

What You Must Do To Obtain Warranty Service or Replacement Parts: A warranty claim may be made and replacement parts may be obtained by calling 1-877-345-2749 or by contacting us by mail or online as follows (please include your model number, date of original purchase and documentation of the date of receipt of the product by the original purchaser or their authorized representative (installation contractor, etc.)):

In the United States:
Brizo Kitchen and Bath Company
55 E. 111th Street
Indianapolis, IN 46280
Attention: Warranty Service
https://www.brizo.com/customer-support/contact-us

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5D. PUESTA EN MARCHA DEL SISTEMA DE FILTRACIÓN

1. Asegúrese de que todas las conexiones de agua se han completado como se describe en la sección de instalación.
2. Compruebe que los filtros están instalados y bloqueados en su sitio. Consulte la Figura 1 de la sección de cambio de cartuchos filtrantes para ver la orientación correcta.
   NOTA: Deberá sentir un clic cuando los cartuchos filtrantes estén completamente insertados.
3. Vele porque el asa del grifo de tipo beverage esté cerrada.
4. Abra el suministro de agua fría y la válvula de cierre del adaptador en T a la línea de entrada de agua.
5. Enchufe el cable de alimentación a la salida de corriente. La unidad iniciará una secuencia de lavado automático de 5 minutos. Luego de encenderla, la unidad pitará y se encenderán varias luces de la pantalla a la vez. Cada indicador se enciende en secuencia (azul, púrpura y rojo) por aproximadamente 1 segundo mientras que la luz monocromática permanece encendida por 3 segundos.

   NOTA: La potencia mínima requerida para esta unidad es de 80 W; asegúrese de que la salida de corriente tiene la potencia adecuada para hacer funcionar la unidad de forma segura. Visite la sección de resolución de problemas si hay problemas con el suministro de corriente.
6. Una vez realizadas todas las conexiones, inspeccione visualmente el sistema para asegurarse de que no hay fugas de agua (consulte el siguiente diagrama del sistema para ver los puntos de inspección).
7. Cuando esté seguro de que no hay fugas en ninguna de las conexiones, pase a la sección PRIMER USO antes de utilizar el sistema.