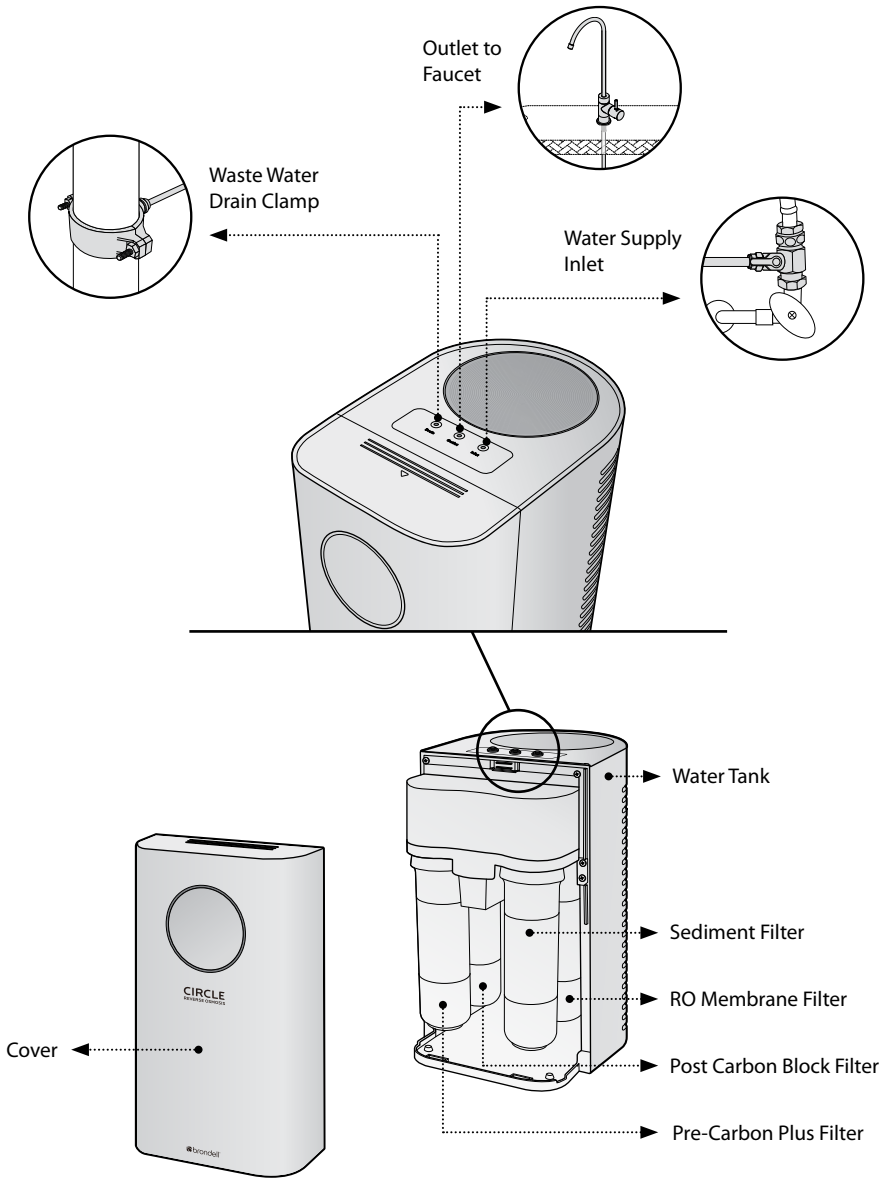
brondell®

Water Filtration System – Reverse Osmosis Installation

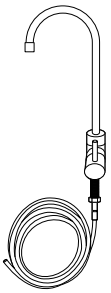
PRODUCT COMPONENTS



Questions about installation? Call our customer service department at 888-542-3355 or visit brondell.com

PRODUCT COMPONENTS (cont.)

ACCESSORIES

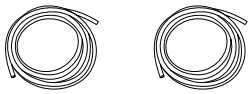


LED Indicator Faucet Assembly with Attached Tubing (Blue)

Water Supply T-Valve with Rubber Washer (3/8" connection)

T-Valve Adapters with Rubber Washer 3/8" to 1/2"

Drain Clamp



Tubing
One (1) Inlet: 1/4" Tubing (Orange)
One (1) Drain: 1/4" Tubing (White)

Owner's Manual

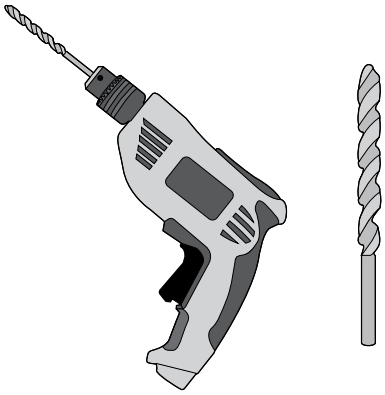
Filter Change Chart

* Actual product may differ from images shown

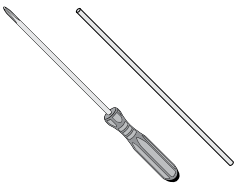
TOOLS NEEDED

Phillips Screwdriver

Adjustable Wrench

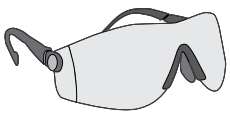


Drill & 1/4" Drill Bit



Thin Screwdriver, Straw, or similar item less than 1/4" in diameter

Towel & Bucket

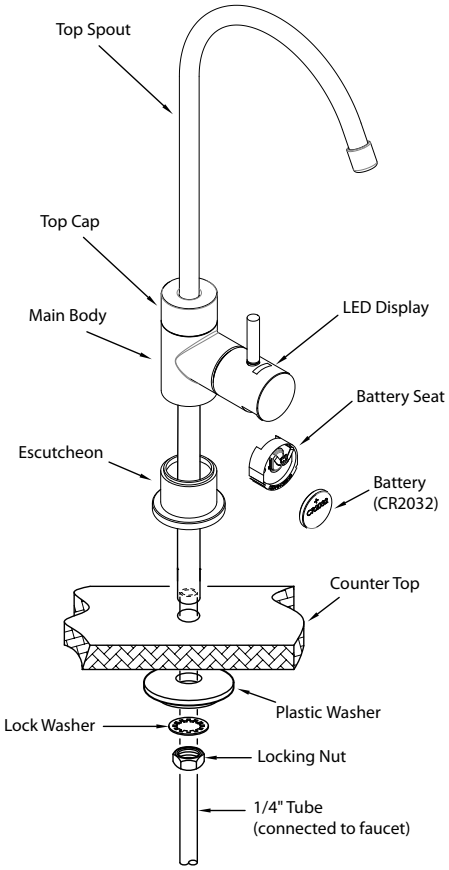


Safety Glasses

Scissors for cutting zip ties

PRODUCT INSTALLATION

STEP 1: FAUCET INSTALLATION



Before Installation
You will need an existing faucet hole at least 7/16 inches in diameter in the sink or countertop to install the supplied filtered water faucet. You may also replace an existing kitchen sprayer, soap dispenser, or plug already on the countertop or sink.

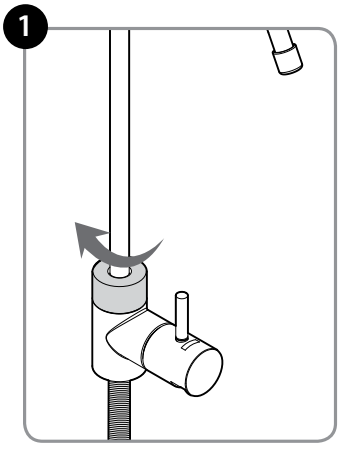
⚠ If drilling a new hole is required for the faucet installation, please consult a professional. Brondell will not be liable for any damages including those to the sink or countertop due to installation of the faucet or drilling a hole.

For California Residents: CR2032 batteries contain Perchlorate Material - special handling may apply. Visit http://www.dtsc.ca.gov/hazardouswaste/perchlorate for more information.

⚠ Please find answers to Frequently Asked Questions (FAQs) and installation videos on brondell.com

1. Unpack the faucet and insert the Top Spout into the Main Body by pushing down until inserted then screw the Top Cap clockwise until secured in place.

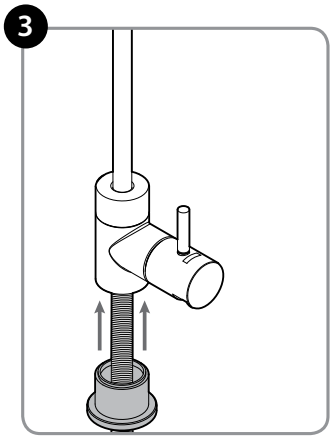
2. Cut zip tie on the blue water connection tubing and unroll to straighten tubing. Be careful not to cut the tube when removing the zip tie.



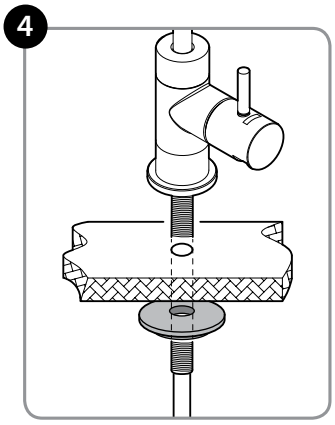
PRODUCT INSTALLATION (cont.)

STEP 1: FAUCET INSTALLATION (cont.)

3. Attach the Escutcheon to the Main Body by inserting the blue tubing through the Escutcheon and pushing it all the way up until connected to the main body.

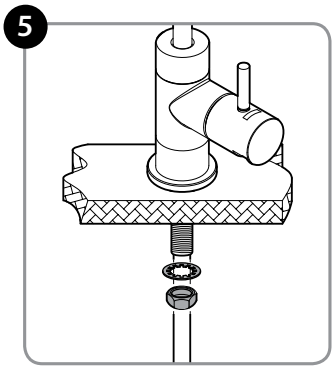


4. Install the faucet on top of the countertop or sink and feed the blue tubing through the hole to the cabinet below. Then slide the large Plastic Washer as shown up through the blue tubing until snug against the bottom of the countertop or sink hole. Be sure that the flat part of the Plastic Washer is facing up and the raised area is facing down, as shown here.



5. Install the "Lock Washer" and the "Locking Nut" the same way and tighten until the plastic washer is holding the faucet assembly firmly in place. The faucet is now installed!

6. Pull the plastic tab out from the battery compartment to activate the faucet indicator. The LED light will blink red once, blue once, and then will be ready to go.

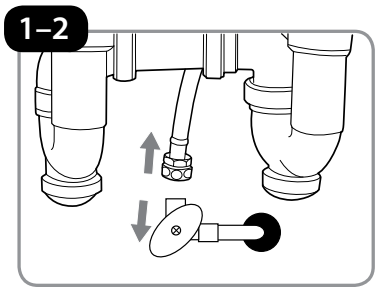


PRODUCT INSTALLATION (cont.)

STEP 2: T-VALVE INSTALLATION

1. Turn off the cold water supply under the sink at the wall. Then, turn on the cold water to drain the residual water from the water lines.

2. Disconnect cold water supply line from the supply valve under the sink at the wall.



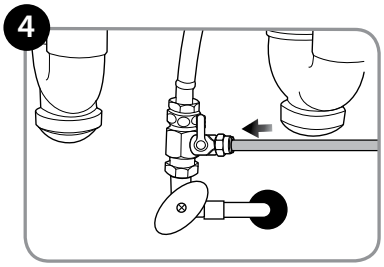
⚠ Install the T-valve on the cold water supply only. Never connect to the hot water supply!

⚠ You may wish to place a bucket or container under the pipes to catch any excess water.

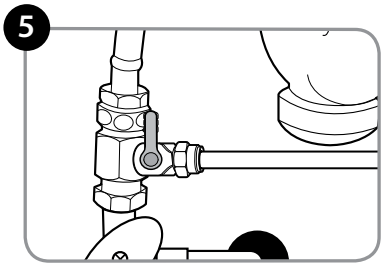
3. Connect the bottom of the 3/8-inch T-valve to the cold water supply valve at the wall. If the water connection is a 1/2-inch size, use the provided adapters with rubber washers to connect the T-valve to the supply line.

4. Re-connect faucet water supply hose to the top of the T-valve as shown, then insert one end of the orange water supply tubing into the T-valve 1/4-inch Quick Connector. Be sure to push firmly into place to secure.

   NOTE: See next page for tips on how to use Quick Connectors.



5. Make sure the T-valve is in the closed position (valve arm should be facing up).

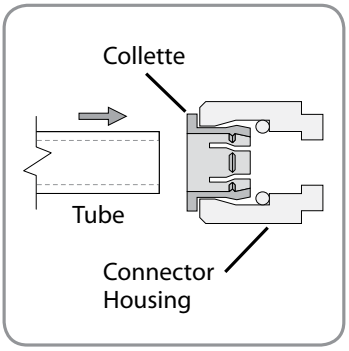


PRODUCT INSTALLATION (cont.)

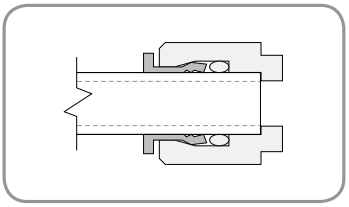
STEP 2A: USING QUICK CONNECTORS

Tube connections on the T-Valve, Drain Clamp, Circle, and Indicator Faucet are all of the "Quick Connect" variety. The steps below illustrate how to connect and disconnect the Tubes from these connectors.

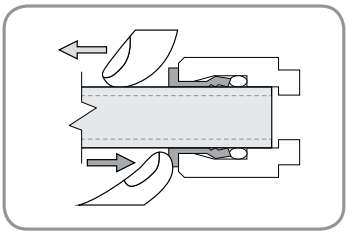
a. Push the Tube into the Collette. The Collette is a collar that provides a secure fit for the Tube and prevents water leaks.



b. Push the Tube in until it stops. The Tube will be secure, and resistant to tugs or pulls. The Collette will be rigid and raised slightly from the Connector Housing.



c. To disconnect the Tube, push down and hold the Collette first, and then pull the Tube out gently.



⚠ Visit brondell.com for our Quick Connect video tutorial.

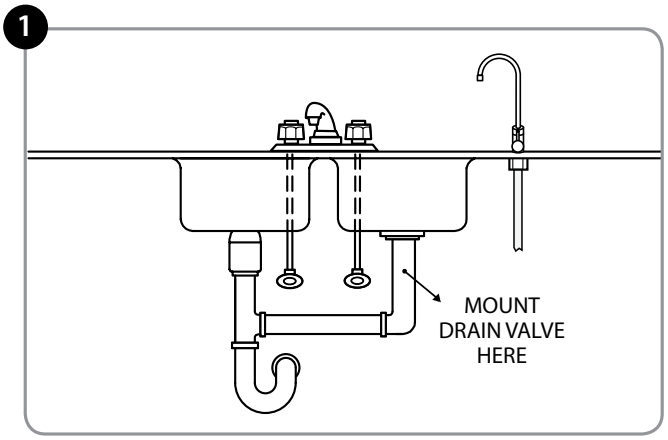
PRODUCT INSTALLATION (cont.)

STEP 3: DRAIN CLAMP INSTALLATION

⚠ **WARNING**: this step may require drilling into the existing drain pipe. Please seek professional help when completing this step and always wear safety protection including safety goggles!

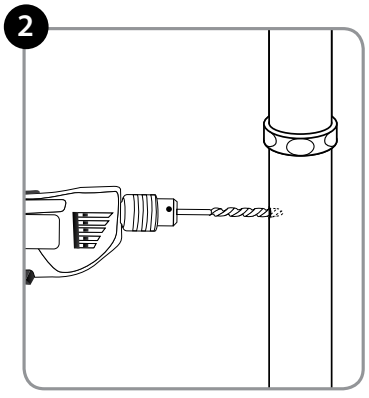
1. If there is an existing drain connection for a 1/4-inch quick connect tube, then use this connection. Otherwise, locate a suitable area on the sink drain pipe to install the provided drain clamp.

NOTE: Select a location for the drain hole based on the design of the plumbing. It should be installed above the trap and on the vertical or horizontal tail piece. Locate the drain connection away from the garbage disposal. See example to the right.



2. Once a suitable spot has been selected for the drain clamp, drill a 1/4-inch hole into one side of the pipe. Be sure to use a suitable drill bit for the material being drilled into (for example: PVC versus Metal Pipe) and be sure to use safety goggles.

NOTE: Starting with the 1/8-inch drill bit, drill a 1/8-inch hole in the drain pipe. Use the 1/4-inch drill bit to enlarge the hole. If you do not have a 1/8-inch drill bit, then you can just use the 1/4-inch bit. Clean the debris from the pipe and the hole before continuing.



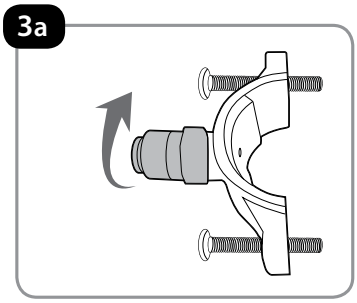
⚠ DO NOT drill all the way through the pipe.

PRODUCT INSTALLATION (cont.)

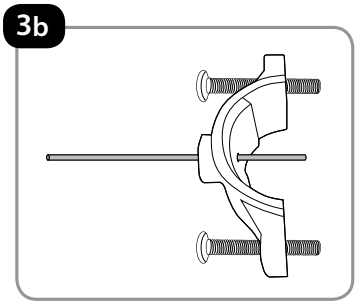
STEP 3: DRAIN CLAMP INSTALLATION (cont.)

3. Align the drain clamp to the hole

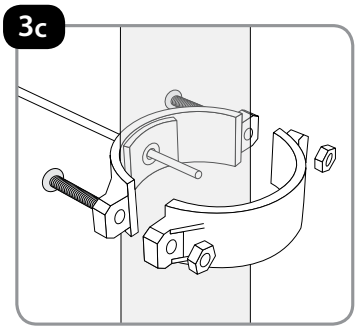
a. Take the front half of the drain saddle (with the 1/4-inch quick connector opening) and unscrew the grey quick connector from the saddle as shown in diagram 3a.



b. Insert a screwdriver, straw, or similar straight thin item into the front of the first half of the saddle (to use as a guide) as shown here in diagram 3b.

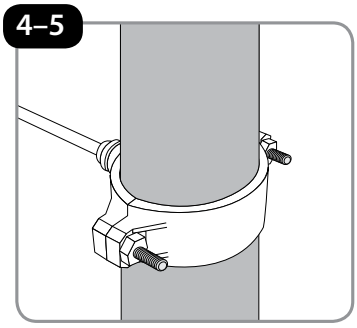


c. Insert the end of the guide into the 1/4-inch hole in the drain pipe and slide the clamp until secure against the drain pipe. The hole is now properly lined up with the drain clamp hole. Hold secure by keeping the guide inserted until the clamp is secured by screwing on the back side as shown in diagram 3c.



4. Once the drain clamp is secure and tight on the pipe, remove the guide and screw the 1/4-inch Quick Connector back into place.

5. Lastly, insert the white drain tube into the 1/4-inch Quick Connector on the drain clamp and push firmly into place.



PRODUCT INSTALLATION (cont.)

STEP 4: FINISHING UP

1. Connect the tubes:
   a. Connect the open end of the 1/4-inch blue tubing (from faucet) to the top of the Circle by pushing into the middle hole labeled "Outlet".

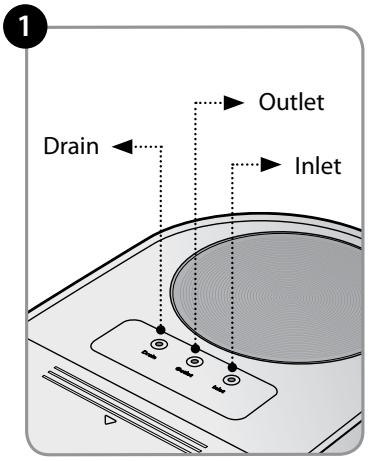
   b. Connect the open end of the white tubing (from the drain clamp) to the top of the Circle by pushing into the hole labeled "Drain".

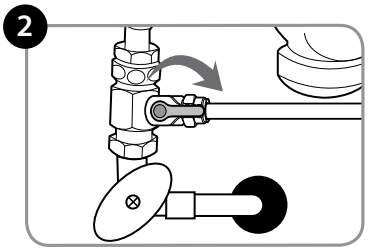
   c. Finally, connect the open end of the orange tubing (from the water supply T-valve) to the top of the Circle by pushing into the hole labeled "Inlet".

   d. Be sure to push the ¼" tubing firmly into place to secure.

2. Turn on Water and Check for Leaks
   a. Open the T-valve by turning the valve arm 90° and turn cold water supply back on under the sink at the wall. The cold water supply will then begin to supply water to the Circle.

   b. After turning on the water supply, check all connections for leaks. Wait 5 minutes and check once more for leaks before proceeding to the next step.





⚠ Failure to properly install this product or to properly check for leaks may cause damage to the property. In these instances, Brondell, Inc. will not be held responsible for any damages.

TROUBLESHOOTING

If the Circle experiences difficulties, close the T-valve to shut off the incoming water to the Circle.

Problem	Possible Cause	Solution
My TDS meter is not reading zero	It could be normal operation or the filters may need to be changed	Generally, RO systems lower TDS readings by 90% as compared to tap water readings. This is a normal working range. For example, if your tap water TDS reading is 100, then a normal TDS reading for the RO filtered water is in the range of 0–10. If the TDS reading for the RO filtered water is higher than 15% of normal tap water, this indicates it time for a filter change (including RO membrane).
No water, not enough water, or low water flow	Incoming water supply valve is turned off	Turn on incoming water supply valve
	Low incoming water pressure	Verify pressure is above 40 psi; install a booster pump if needed
	Capacity is exhausted	Allow time for the Circle to replenish the water tank
	Plumbing restriction	Check connections and tubes for obstructions
	Other filter or RO membrane is clogged	See Filter Replacement (page 16)
	Internal valve is inoperative	See product warranty in last page of manual and contact Brondell
Unexpected flow in drain line	Internal valve is inoperative	See product warranty in last page of manual and contact Brondell
No drain flow	Other filters or RO membrane (3) is clogged	See Filter Replacement (page 16)
	Internal regulator is inoperative	See product warranty in last page of manual and contact Brondell
Bad tasting water	Post Carbon Block Filter is exhausted	See Filter Replacement (page 16)
	Newly replaced Post Carbon Block Filter is not flushed completely	Open the provided faucet and drain the water tank once. Flush one or two tanks of treated water through the Post Carbon Block Filter
	Problem with the water tank bladder	See product warranty in last page of manual and contact Brondell
Cloudy water	Dissolved air in incoming water supply	Problem should clear up as the condition of the incoming water changes. Letting water stand will allow the dissolved air to dissipate
Leaking water from the Circle	Tube is not fully inserted into a connection	Make sure the tube is at least 1/2-inch into the connection
	Filter is not installed correctly	Ensure that all four filters are locked into place
Unusual sounds during operation	Problem with one of the internal regulators	See product warranty in last page of manual and contact Brondell