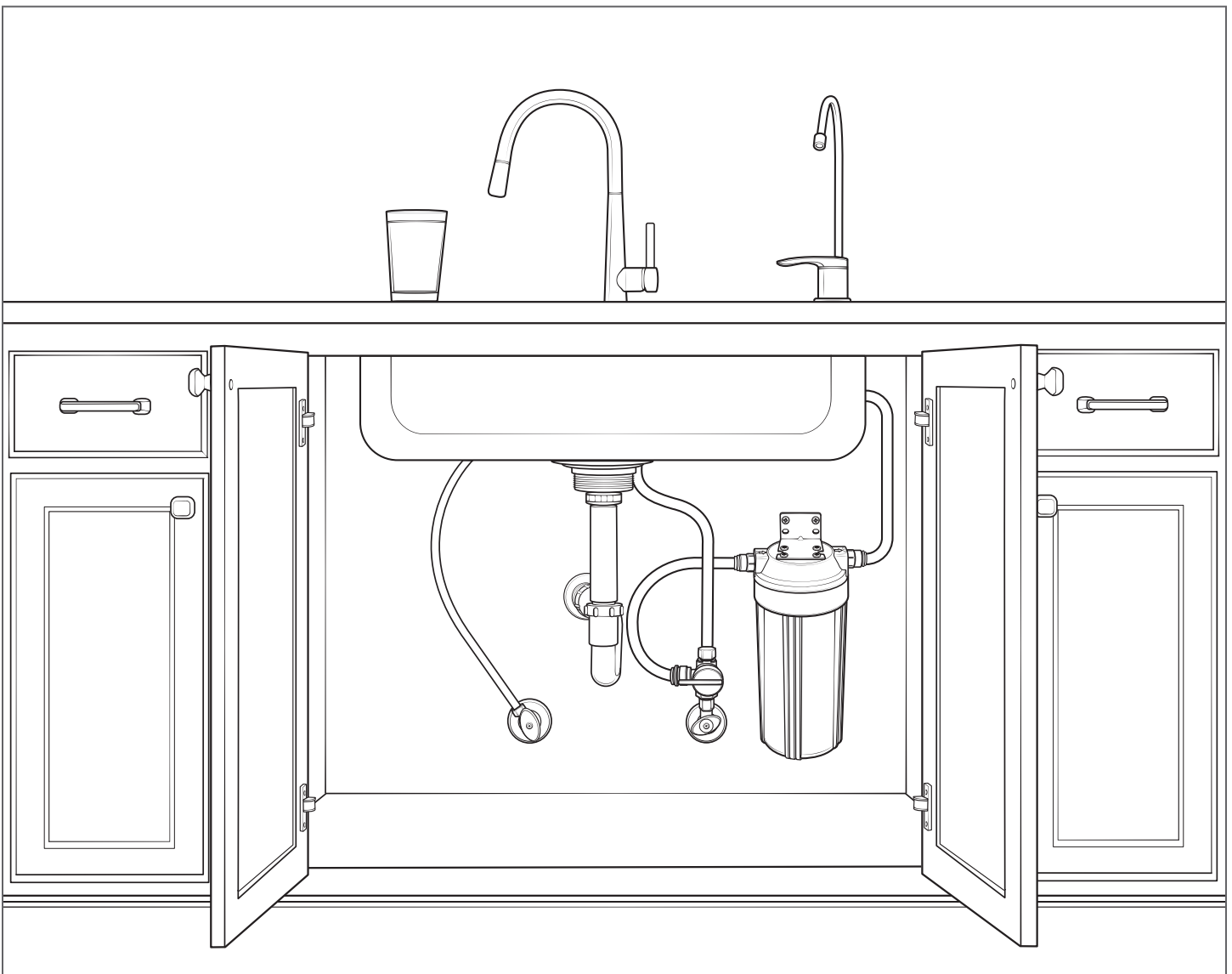




Direct Connect Plus

Water Filtration System



Model:107067

Introduction

The Direct Connect Plus water filtration system is designed for in home use. It connects directly to the cold water in any kitchen, bathroom, or utility sink providing clean, healthy water for drinking and cooking through a dedicated faucet.

These revolutionary, easy-to-install systems connect to your existing plumbing and into the cabinet below your sink.

Safety

Exposure of the filters to freezing temperatures (32°F, 0° C) or temperatures exceeding 110°F (37.8° C) may damage the filters and cause the system to malfunction. Always install the filters where the temperature is above freezing and below 110°F (37.8° C).

High water pressure may cause plumbing issues that could damage the filtration system and cause plumbing leaks. The maximum recommended water pressure for home is 80 psi. If the pressure exceeds 80 psi a pressure reducing valve must be installed.

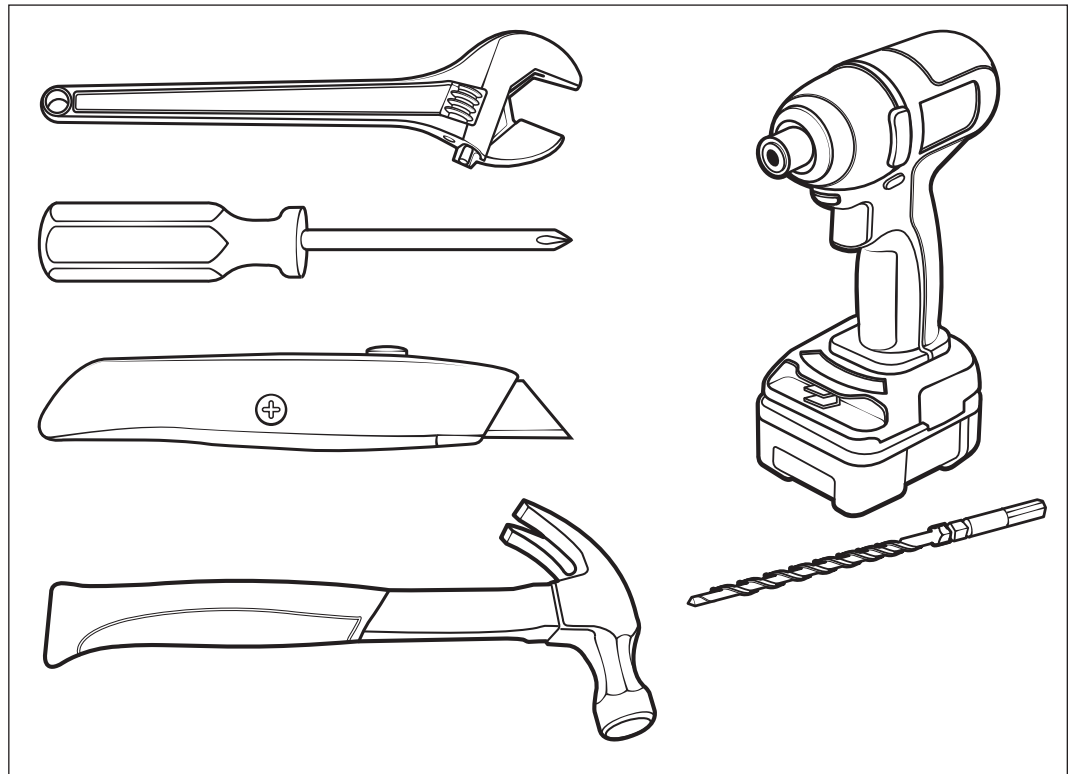
Installation and use of the system must comply with all state and local plumbing codes. If necessary, contact a local plumber for advice or help with installation.

Required Tools

- Adjustable wrench
- Drill with 3/16" drill bit
- Phillips head screwdriver
- Razor, knife or tube-cutter
- Hammer

Note: If your sink assembly does not have a pre-drilled hole for the faucet you will need the following tools:

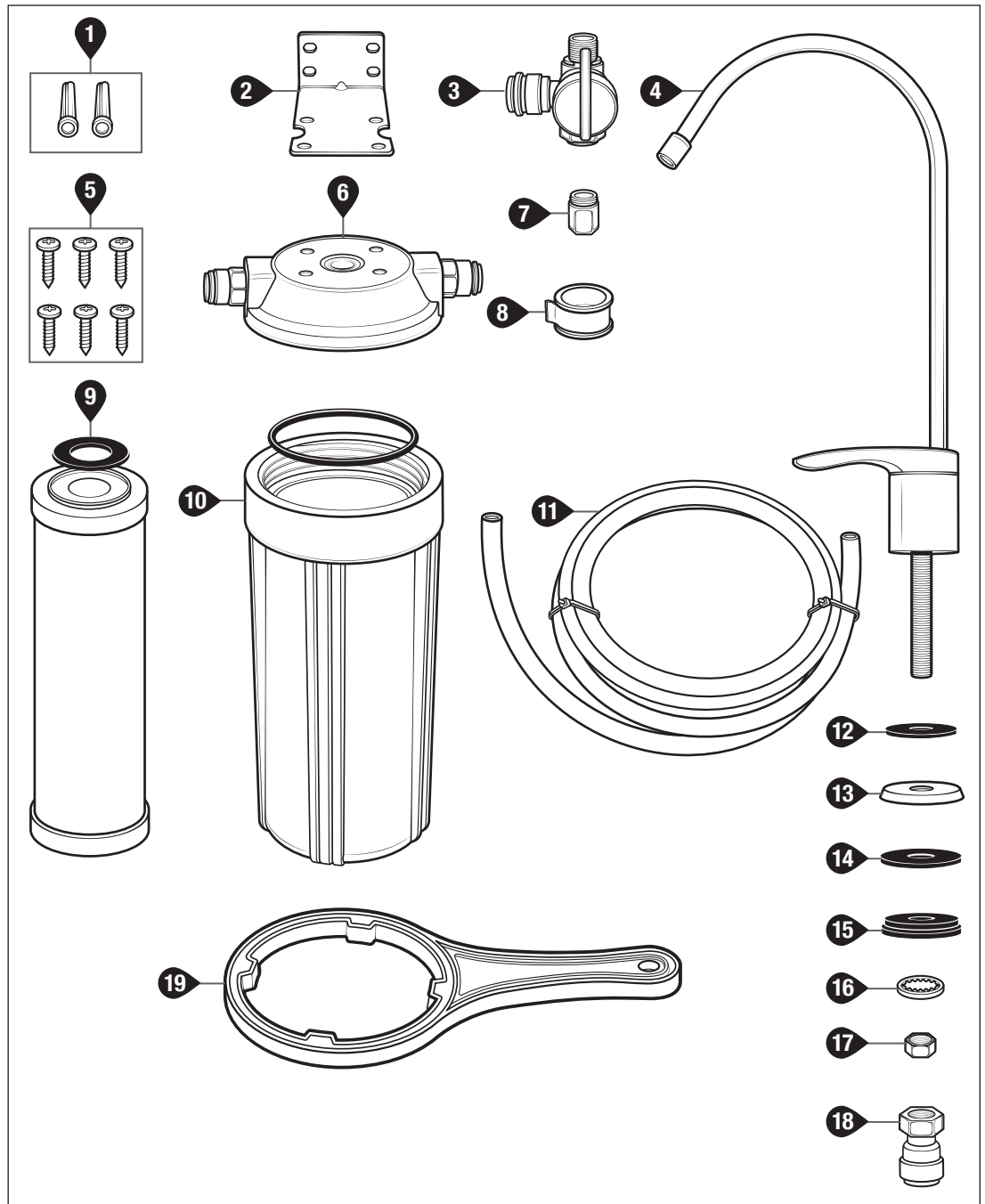
- 1/8", 1/4" and 1/2" drill bit
- File or sandpaper



Product Components

Check that the following components are included in your package:

1. Wall anchor (x2)
2. Bracket
3. Angle stop valve 3/8"
4. Faucet
5. Mounting screws (x6)
6. Housing cap
7. Angle stop conversion adapter
8. Teflon tape
9. Filter (with gaskets x2)
10. Housing sump
11. Tubing 3/8" x 6'
12. Small gasket
13. Faucet hole cover
14. Large gasket
15. Spacer washer
16. Tooth locking washer
17. Lock nut
18. Faucet adapter
19. Housing wrench



Installation

Important! Failure to follow these instructions, or use of parts other than genuine Radiant Life components, will void the warranty.

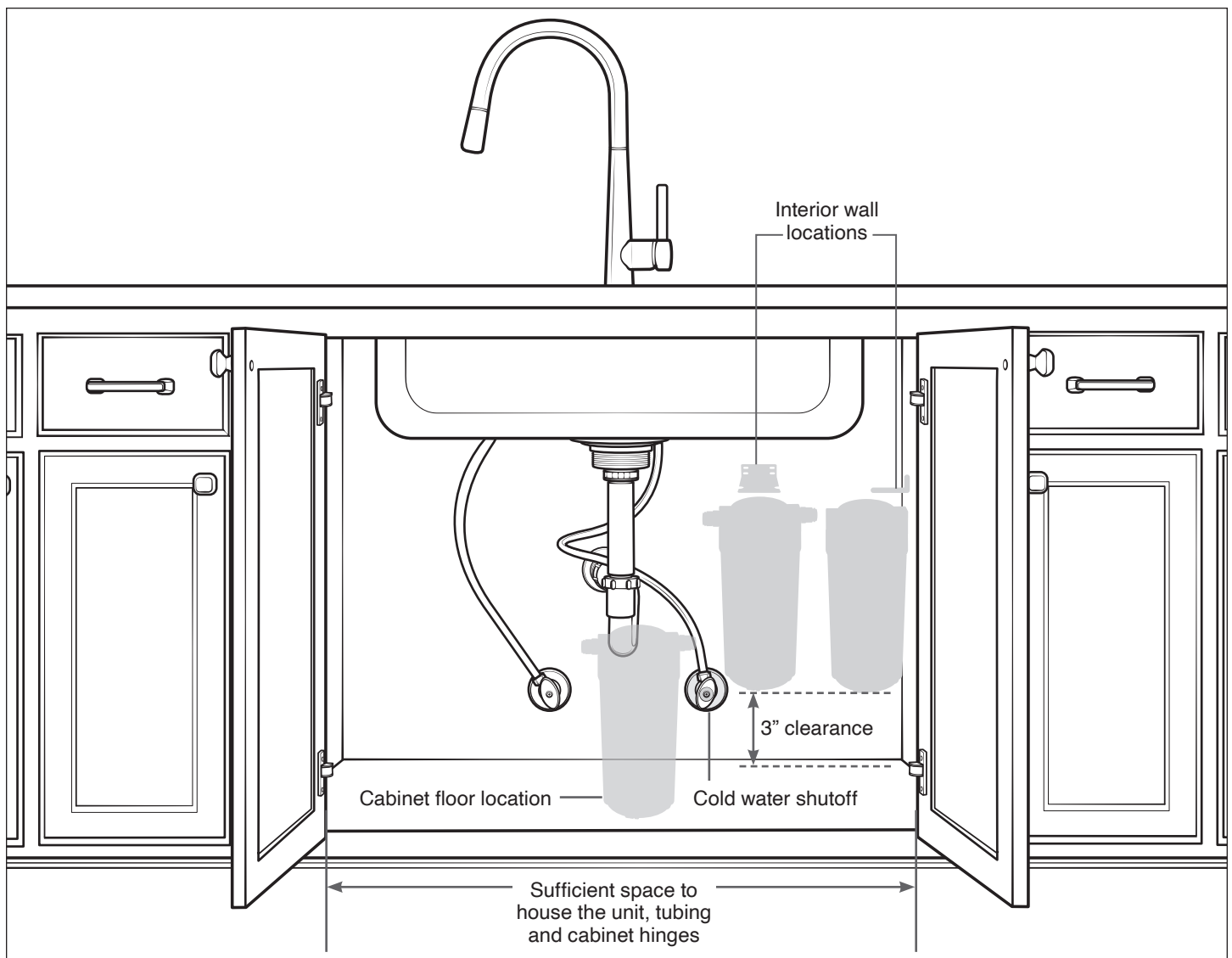
Note: Before starting installation, determine if you have a 3/8" or 1/2" cold-water shut-off valve connected to the faucet cold water supply.

Step 1 Select the Desired Mounting Location

The following are important considerations when choosing the location:

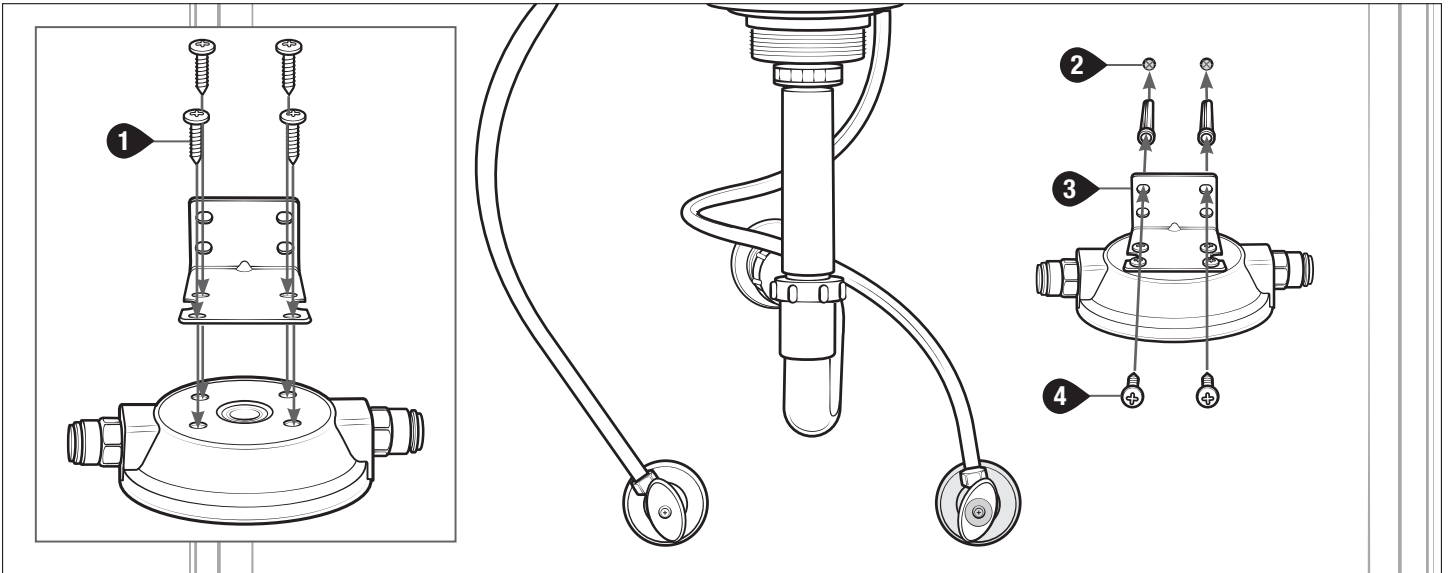
- The Housing assembly can be mounted to an interior wall or rest on the cabinet floor. If you do not wish to mount the Housing assembly to the interior walls simply place the Housing assembly in the desired location on the cabinet floor. **Important!** The housing assembly **must** remain in the vertical position. Tip-over may result in leakage.
- Allow sufficient space to access the unit for maintenance.
- Ensure the Housing assembly or tubing will not interfere with the cabinet door.
- The supplied tubing used to connect the Housing assembly to the cold-water shut-off valve and the cold-water hose is 6 feet long. Position the Housing assembly so the tubing fits comfortably (i.e.: no pinching, kinks or over stretched) between the Housing assembly and the cold-water connections.

Important! Ensure there is sufficient space to change the Filter when mounting to the wall. There must be a minimum of 3 inches of clearance between the bottom of the Housing assembly (i.e.: Bracket, Housing Cap and Sump) and the floor.



Step 2 Mount the Housing Cap to an Interior Wall

1. Attach the Bracket to the Housing Cap with the four (4) Mounting Screws.
2. Position the Bracket in the desired location and mark the mounting hole locations.
3. Drill a 3/16" pilot hole at the mounting hole locations, inserting the wall anchors in each hole.
4. Fasten the Bracket to the wall with the two (2) remaining Mounting Screws.

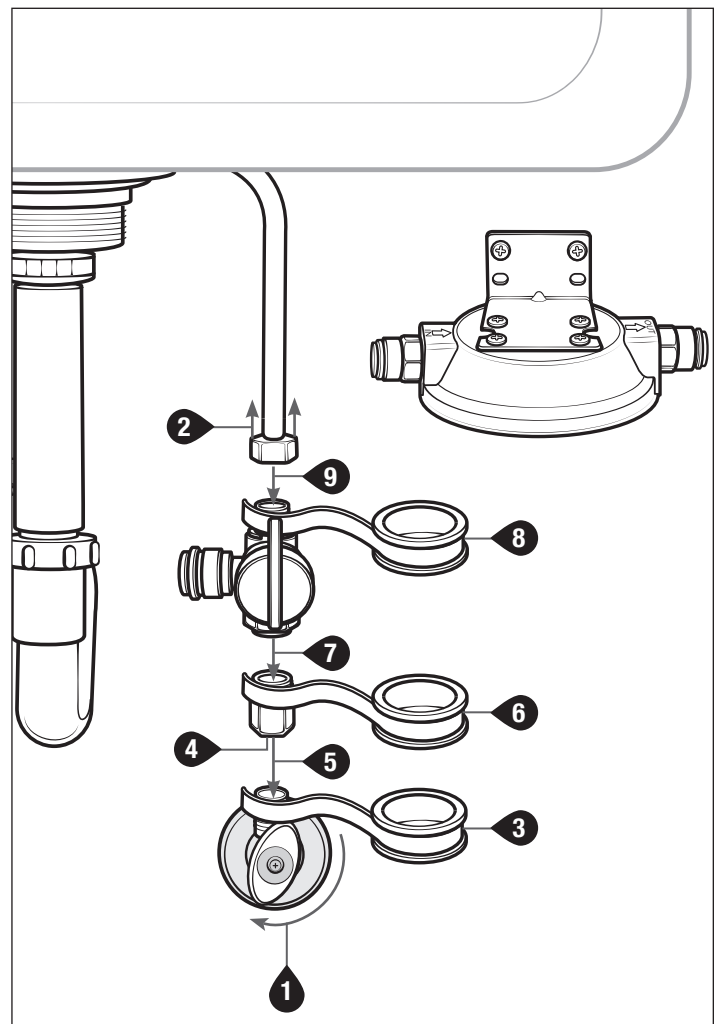


Step 3 Install the Angle Stop Valve

Before connecting the angle stop valve, determine if you have a 3/8" or 1/2", cold water shut-off valve and hose. Follow the appropriate instructions to install the 3/8" or 1/2" angle stop valve.

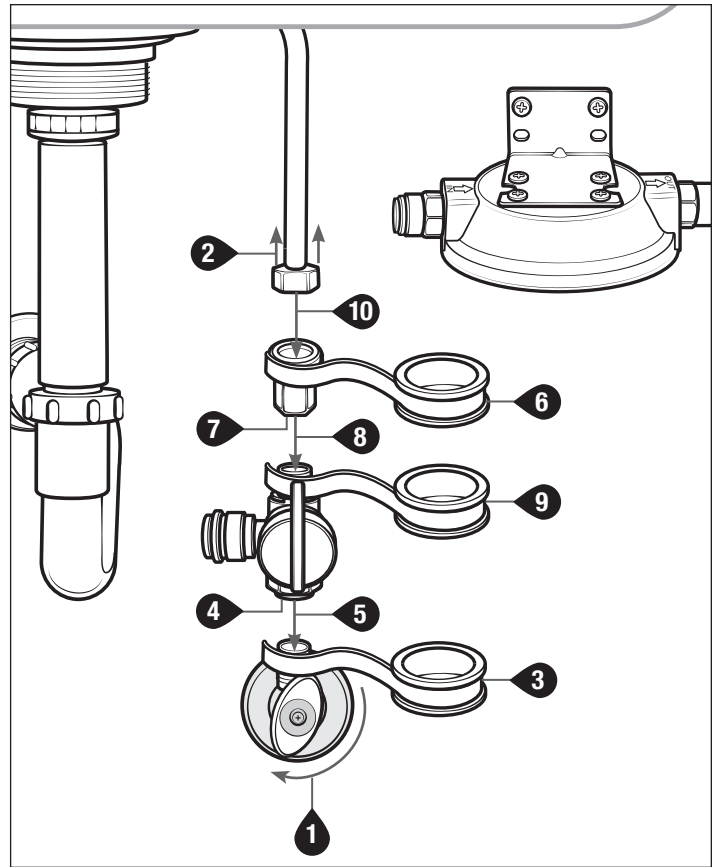
Installation for a 3/8" Cold-water Shut-off Valve

1. Turn off the cold water shut-off valve by rotating clockwise until completely closed. Check the kitchen sink cold water to confirm it is off.
2. Disconnect the cold-water hose to sink faucet from the cold-water shut-off valve.
3. Wrap Teflon Tape around the male threads on the cold-water shut-off valve.
4. Confirm that the black gasket is inserted into the female threaded end of the Angle Stop Valve Conversion Adapter.
5. Thread the Angle Stop Valve Conversion Adapter onto the cold-water shut-off valve. Do not over-tighten.
6. Wrap Teflon Tape around the male threads on the Angle Stop Valve Conversion Adapter (2 – 3 wraps).
7. Thread the Angle Stop Valve onto the Angle Stop Valve Conversion Adapter. Do not overtighten.
8. Wrap Teflon Tape around the male threads on the Angle Stop Valve (2 – 3 wraps).
9. Connect the cold-water hose to the Angle Stop Valve.



Installation for a 1/2" Cold-water Shut-off Valve

1. Turn off the cold water shut-off valve by rotating clockwise until completely closed. Check the kitchen sink cold water to confirm it is off.
2. Disconnect the cold-water hose to sink faucet from the cold-water shut-off valve.
3. Wrap Teflon Tape around the male threads on the cold-water shut-off valve.
4. Check that the black cone gasket is inserted into the female threaded end of the Angle Stop Valve.
5. Thread the Angle Stop Valve onto the 1/2" cold-water shut-off valve. Do not over-tighten.
6. Wrap Teflon Tape around the male threads on the Angle Stop Valve (2 – 3 wraps).
7. Check that the black gasket is inserted into the female threaded end of the Angle Stop Valve Conversion Adapter.
8. Thread the Angle Stop Valve Conversion Adapter onto the Angle Stop Valve. Do not over-tighten.
9. Wrap Teflon Tape around the male threads on the Angle Stop Valve Conversion Adapter (2 – 3 wraps).
10. Connect the 1/2" cold-water hose to the Angle Stop Valve Conversion Adapter. Do not over-tighten.



Step 4 Install the Faucet

Important! Drilling a hole through a solid countertop surface such as granite, marble or porcelain and cast-iron sinks may require special tooling such as a diamond tip drill bit. If you are unsure, or uncomfortable, drilling the hole you should have a reputable, experienced person drill the hole.

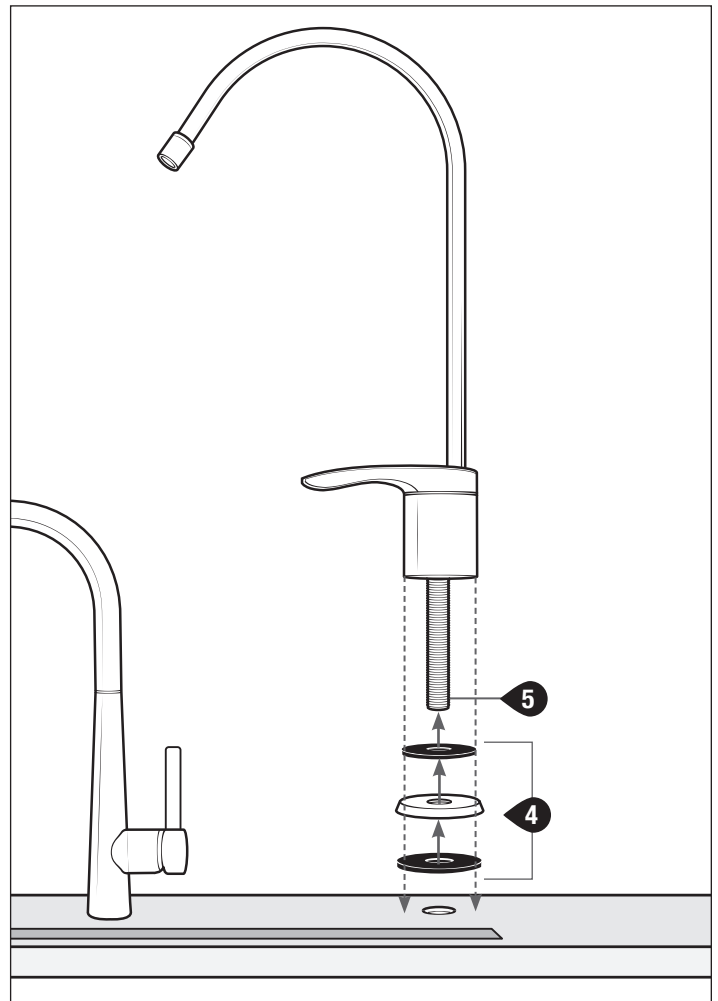
Drill the Sink Hole

The Faucet requires a 1/2" diameter sink hole. Follow these instructions to drill a sink hole for the Faucet:

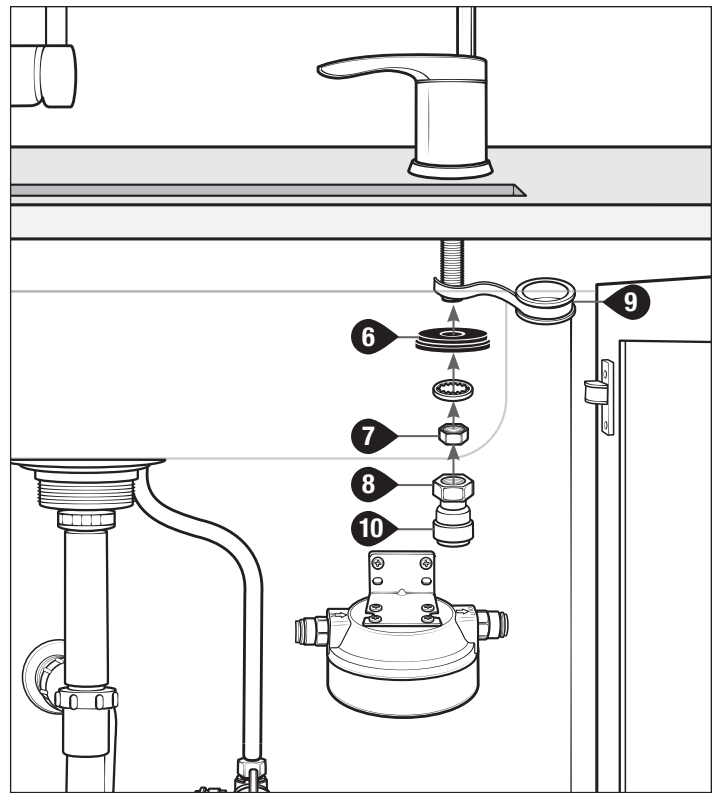
1. Drill a pilot hole using a 1/8" or 1/4" drill bit.
Note: If drilling through stainless steel, punch a small dimple on the faucet location before drilling the pilot hole.
2. Create the hole using an 1/2" drill bit.
3. File any rough, sharp edges and clean the area.

Install the Faucet

4. Place the Small Thin Washer, Hole Cover and Large Thin Washer onto the threaded shaft of the Faucet.
5. Place the threaded shaft of the Faucet through the sink hole.



6. Place the Spacer Washer onto the threaded shaft of the Faucet. **Note:** If the sink hole is 1" diameter, install the Spacer Washer with the small diameter inserted in the 1" diameter hole. If the sink hole is not a 1" diameter then the Spacer Washer can be installed in any direction.
7. Place the Tooth Lock Washer onto the threaded shaft of the Faucet.
8. Thread the Locking Nut onto the threaded shaft of the Faucet and tighten the Faucet down onto the sink surface. **Note:** The spout of the Faucet can rotate 360°. Position the Faucet Handle in the desired direction before tightening the Faucet down onto the sink surface.
9. Wrap Teflon Tape around the threaded shaft of the Faucet (2 – 3 wraps or 3/4 from the bottom of the shaft).
10. Carefully thread the Faucet Adaptor onto the threaded shaft of the Faucet and hand tighten. Do not over-tighten.

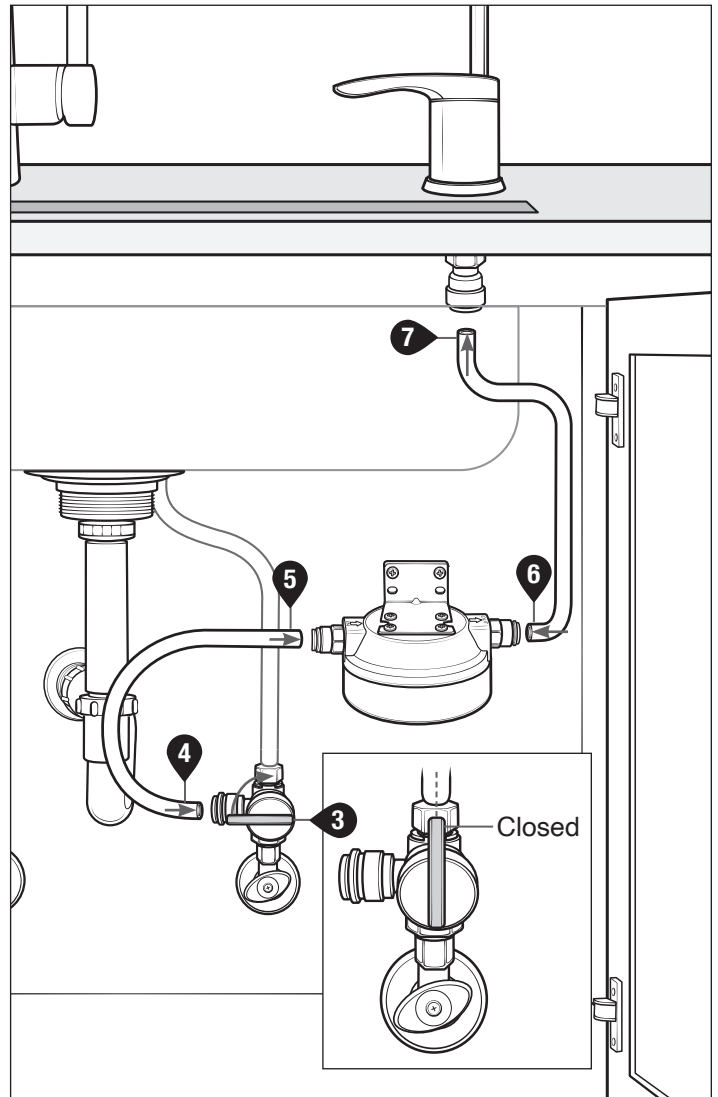


Step 5 Connect the Angle Stop Valve to the Housing Cap

Important! Install with the inlet and outlet ports as labeled. Do not install in the reverse direction.

Follow these steps to connect the Angle Stop Valve to the Housing Cap:

1. Determine the length of tubing required to reach from the Housing Cap inlet (IN) port to the Angle Stop Valve. Cut to length.
2. Place a towel(s) under the cold-water shut-off valve. Shut off the water supply by closing the cold-water shut-off valve. Open the cold-water side at the faucet and relieve the water pressure.
3. Rotate the blue handle on the Angle Stop Valve to the closed position (in line with the cold-water hose).
4. Insert the tubing into the Angle Stop Valve.
5. Insert the tubing into the Housing Cap inlet (IN) port.



Step 6 Connect the Housing Cap to the Faucet

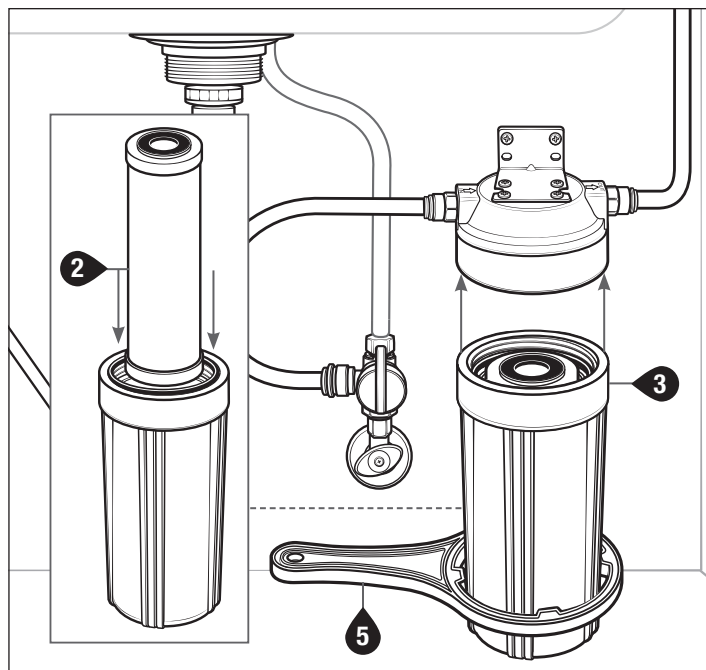
Follow these steps to connect the Housing Cap to the Faucet:

6. Insert the tubing into the Housing Cap outlet (OUT) port.
7. Insert the tubing into the Faucet Adaptor previously attached to the threaded shaft of the Faucet.

Step 7 Attach the Housing Sump

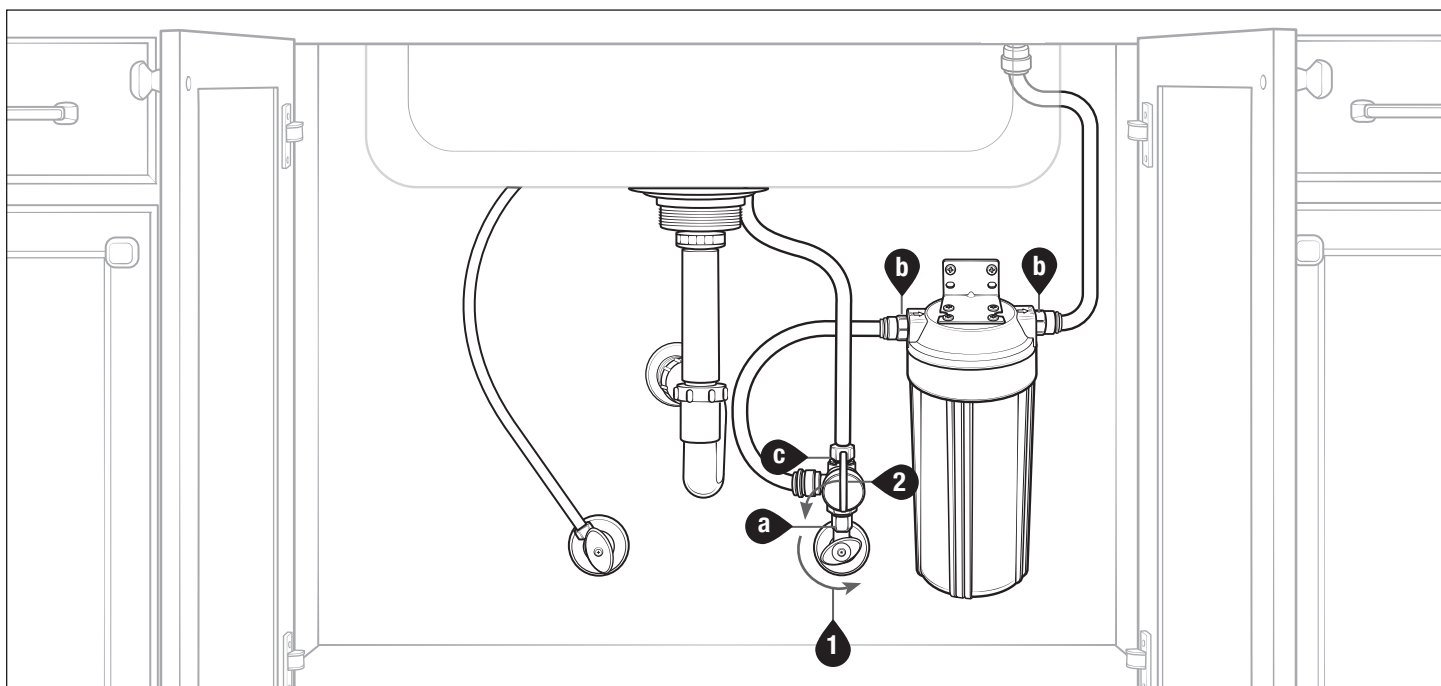
1. Remove the protective wrapping off the Filter.
2. Place the Filter into the Housing Sump.
Important! Ensure the black upper and lower Filter gaskets remain in place.
3. Attach the Housing Sump onto the Housing Cap.
4. Using the supplied Housing Wrench, gently tighten until snug. Do not over-tighten.

Tip: Over-tightening Housing Sump will make removal difficult.



Step 8 Final Installation Check

1. Turn on incoming water by rotating cold water shut off valve counter clockwise until it stops.
2. Slowly open the angle stop valve checking for leaks at the following connections:
 - a. Connection at the cold-water shut-off valve
 - b. IN and OUT connections at the Housing Cap
 - c. Connection at the cold-water hose
3. If leaks exist, push the tubing into the push-in fittings or tighten the threaded fittings. Open the cold-water shut-off valve completely if no leaks exist.
4. Open the faucet running the water for 10 minutes to precondition the Filter.
5. Turn off the water, inspect for leaks again and repair if necessary. Let filter sit for 1-2 hours to let the filter saturate with water.
6. Flush the system for an additional 10 minutes before initial use. **Note:** It is normal to see small particles of black carbon as the Filter flushes. It may take a few days to completely flush the system.

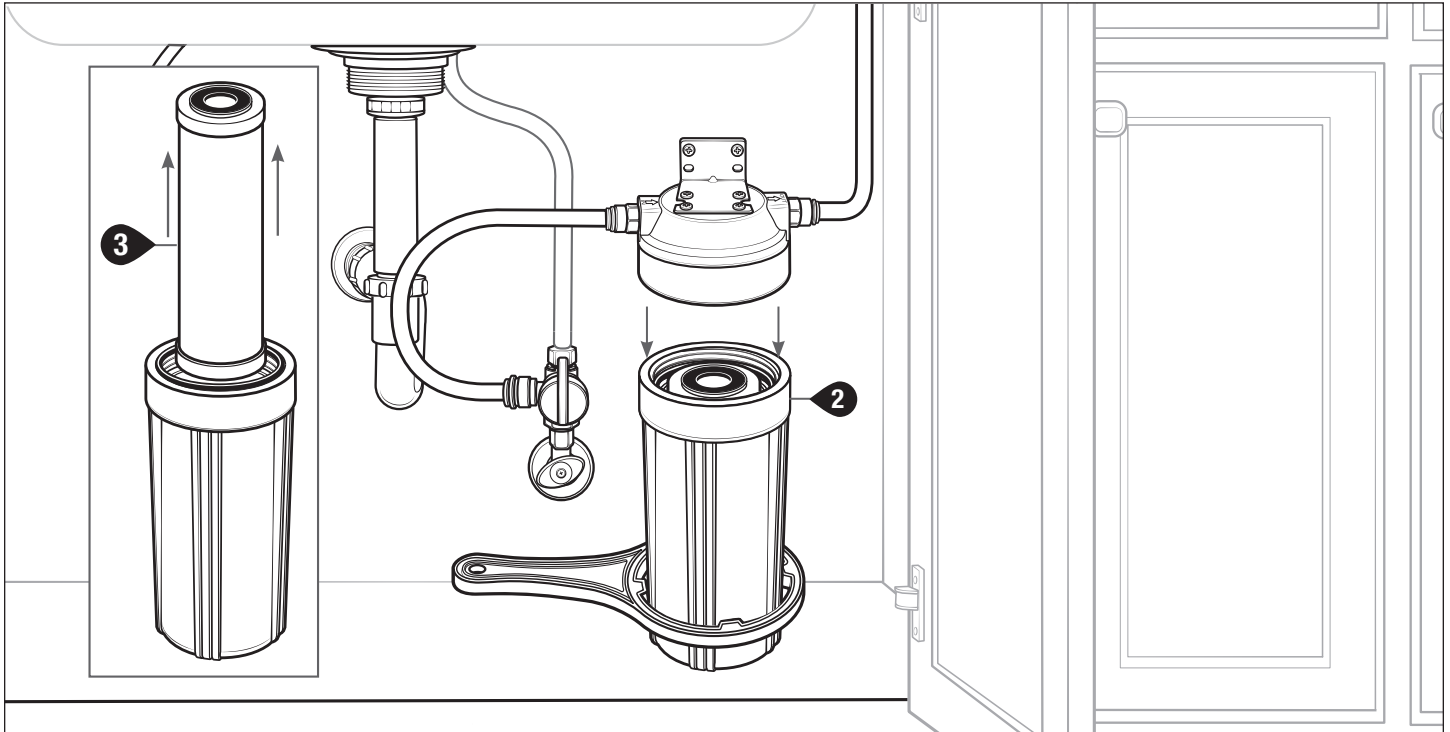


Maintenance

If flow or pressure is reduced through the faucet, this is a sign the ceramic filter needs to be cleaned or replaced. If flow is not restored after cleaning, the filter will need to be replaced. At a minimum, the filter should be replaced every 12 months.

Follow these steps to replace or clean the Filter:

1. Place a towel(s) under the cold-water shut-off valve. Turn off the water supply to the filter system by closing the angle stop valve. Open the cold-water side dedicated faucet to relieve the water pressure.
2. Remove the Housing Sump using the Housing Wrench.
3. Remove the old Filter and gaskets.



Replacing the Filter

4. Place the new Filter and gaskets in the Housing Sump.
 5. Re-attach the Housing Sump to the Housing Cap and hand tighten. Do not over-tighten.
 6. Slowly open the angle stop valve checking the Housing Cap and Housing Sump connection for leaks. If there is a leak, using the Housing Wrench, tighten the Housing Sump by rotating it in small increments until firmly secured and no leaks present.
- Tip:** Over-tightening the Housing Sump will make future removal difficult.
7. Perform Step 6 Final Installation Check on page 6.
 8. Discard the old Filter and gaskets.

Cleaning the Filter

1. Hold the filter under **cold** running water, using a Scotch-Brite scour pad (green or blue) to clean the exterior of the ceramic filter. This will remove accumulated materials to expose a fresh ceramic surface.
2. Return the Filter and gaskets back the Housing Sump.
3. Rinse the Filter after rubbing the entire surface.
4. Re-attach the Housing Sump to the Housing Cap and hand tighten. Do not over-tighten.
5. Slowly open the cold-water shut-off valve, checking the Housing Cap and Housing Sump connection for leaks. If there is a leak, using the Housing Wrench, tighten the Housing Sump by rotating it in small increments until firmly secured and no leaks present.
6. Perform Step 6 Final Installation Check on page 6.

Direct Connect and Direct Connect Plus 3 Year Limited Warranty

What is Covered

Radiant Life warranties to the original purchaser of the Direct Connect or Direct Connect Plus water filter system against defects in materials or workmanship in manufacturing for 36 months from the original date of purchase, except as noted below.

What is not Covered

This warranty does not cover filter cartridges that were not installed according to the instructions provided with your system, operated incorrectly, abused, or improperly maintained. This warranty also does not cover the following items:

- Clogging (water conditions)
- Incidental or consequential damages caused by failure of the product
- Labor costs to install or replace the filters or system
- Damages caused by fire, flood or acts of God
- Damage from non-potable water supplies
- Damages caused by any person

This warranty is voided if the product is not installed with genuine Radiant Life components and in accordance with the provided instructions. This includes, but is not limited to, filters, faucets, and fittings/valves.

What Radiant Life will do

Radiant Life, under this warranty, will replace the defective part(s) without charge, providing installation instructions to the consumer for a licensed plumber.

How to get service

To receive assistance with your water system and warranty, contact the Water Service Team at 888-593-9595 Opt. #2 or email waterservice@radiantlife.com. Be prepared to provide account details, purchase date, and describe the problem to the representative, who will verify the warranty. At this time, it will be determined if a new part or system will be replaced at no cost to you.

Customer Service

Contact the Radiant Life Water Service Team for instructions and authorization number for returning the defective part or product.



Water Service Division

Radiant Life

Address: 5277 Aero Dr. • Santa Rosa, Ca 95403

Phone: (888) 593-9595 Option 2

Fax: (707) 433-8898

Email: waterservice@radiantlife.com