Installation Guide
English

Kenmore®

Freestanding Water Optimizer

Freestanding Purifier•Dispenser

Model: KM5K

Customer Assistance
1-844-374-6576

www.kenmore.com
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ENERGY STAR

LISTED

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Important Safety Instructions

When using electrical appliances, basic safety precautions should always be followed, including the following:

1. Read all instructions.
2. Should your appliance ever fail, please disconnect the power and water immediately before calling for assistance.
3. To avoid leakage and damage, never remove appliance parts.
4. Unsupervised children should not be allowed to operate the machine.
5. Please use the product in a dry place within the temperature ranges of 40°F and 100°F.
6. Ensure the power cord is always unplugged before performing any maintenance, troubleshooting, or filter upgrades.
7. Only use Kenmore or Drinkpod accessories and filters to avoid causing damage and voiding product warranty.
8. For all service and support related issues, please contact Drinkpod. 1-844-374-6576 or support@drinkpod.com
9. Any and all repairs should only be attempted by qualified persons designated by Drinkpod.
10. Do not install the machine in a location exposed to direct sunlight.
11. Never store or expose your Water Optimizer in an environment less than 32°F.
12. This appliance is not intended for use by persons 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. Children should be supervised to ensure they do not play with the appliance.
13. If the supply cord is damaged, it must be replaced by the manufacturer, one of its designated service agents, or similarly qualified person, in order to avoid all hazards.
14. Do not store explosive substances such as aerosol cans, or other items with a flammable propellant, in this appliance.
15. This appliance is intended to be used in household and similar applications, kitchens, offices, and similar non-retail applications.
16. The appliance should only be plugged into a grounded three prong socket. A surge protector is recommended.
17. The appliance should never be turned upside down, or tilted more than 45°.
18. The appliance should never be cleaned utilizing a compressed water stream.
19. **This product is designed for household use only!**
20. **WARNING: To avoid any hazards due to instability of the appliance, it must be installed, maintained, and repaired, in accordance with this manual.**

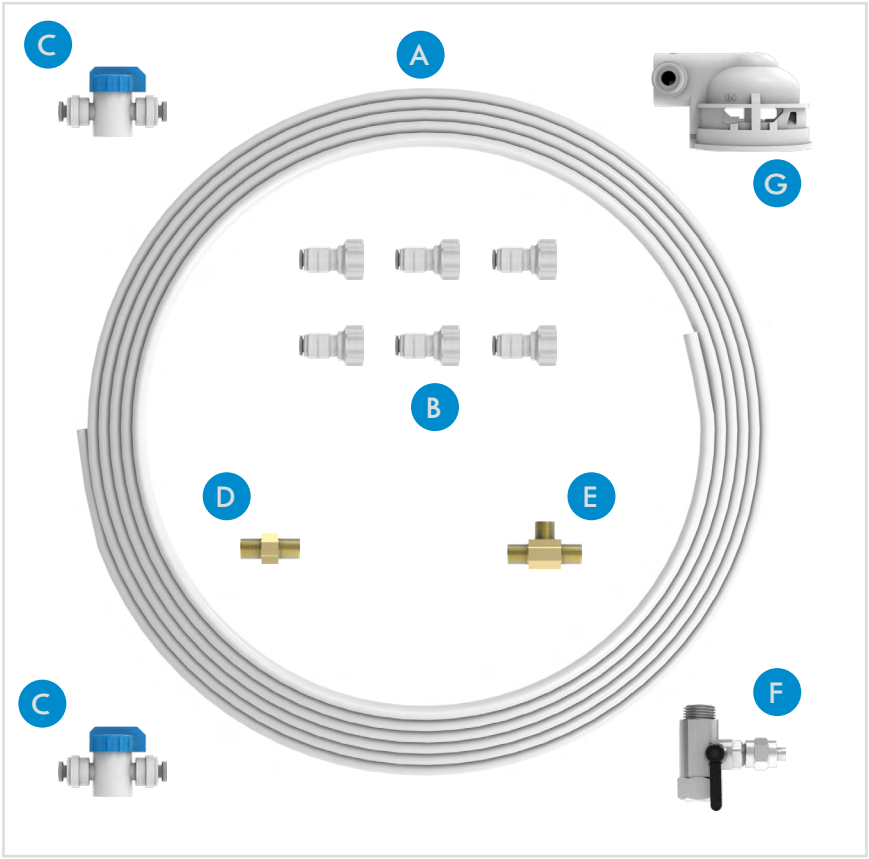
SAVE THESE INSTRUCTIONS!

Getting Started

Installation Components List

Included with your Water Optimizer are a broad assortment of installation accessories. Do not get overwhelmed. While it is highly unlikely that you will require all of them, working with anything connected to your homes water system can be the wild west, and plumbers are rogue gunslingers. That's why we've done our best to provide enough accessories to accommodate almost any scenario, and easy to understand instructions to guide you through the process.

We highly recommend leaving the installation accessories in their labeled tray until you are instructed to remove them.



Getting Started

A: 25’ Coil of 1/4 in. White PP Tubing

B: 1/4 in. Compression To Quick Connect Adapter (x6)

C: 1/4 in. Quick Connect Shutoff Valve (x2)

D: 1/4 in. Brass Compression Union

E: 1/4 in. Brass Compression Tee

F: 3/8 in. Sink Adapter Valve (1/4 in. Custom x 3/8 in. Male x 3/8 in. Female x Compression Steel Angle Stop Valve Adapter)

G: Filter Flushing Attachment

Getting Started

Before we proceed with your installation, we must first identify how and where to install your new Water Optimizer. This will be the most complicated part of the installation process. Don't be intimidated! We've worked hard to write the best set of instructions you'll ever read. Be prepared to feel like a DIY pro when you're finished!

Configuration & Location

First, let's decide **where** you want to install your Water Optimizer. In almost all cases, this easily decided by answering two simple questions.

1. **What water sources are available?** If you're not sure what you have, or how to check, see "Appendix A - Water Sources" on page 2-53 for pictures and more information.
   - **A.** Water Accessory Line (typically refrigerator ice maker line/source)
   - **B.** Sink Faucet Cold Water Line (i.e. underneath your kitchen sink)

2. **Do you want to connect any other appliances?** Your Water Optimizer is capable of providing purified water to up to two kitchen appliances* (i.e. refrigerator, ice maker, or coffee maker/espresso maker/barista machine with an in-line water connection).

   **The ability to provide purified water to external appliances is dependent on having sufficient water pressure.*

3. Following this are diagrams of the most common types of installations our customers like to use. Quickly review them to identify which configuration best suits you. We recommend connecting to a Water Accessory Line if both types of water sources are available.

Accessory Water Line Configurations

source

0x acc.

Example Installation #1.1

Accessory Water Line Source

BEFORE

AFTER

Diagram 2.1.1-A Accessory Water Line Source (Not Connected, No Accessory Appliances)

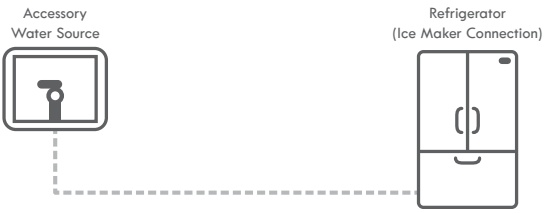
source

1x acc.

Example Installation #1.2

Accessory Water Line Source - 1x Accessory Appliance

BEFORE



AFTER

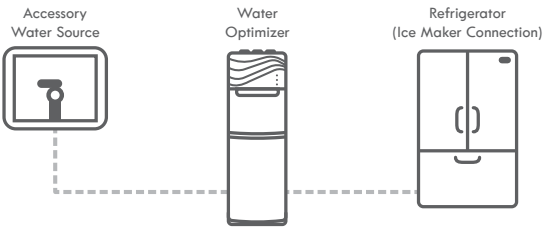


Diagram 2.1.1-B Accessory Water Line Source (Connected, 1 Accessory Appliance)

source

2x acc.

Example Installation #1.3

Accessory Water Line Source - 2x Accessory Appliances

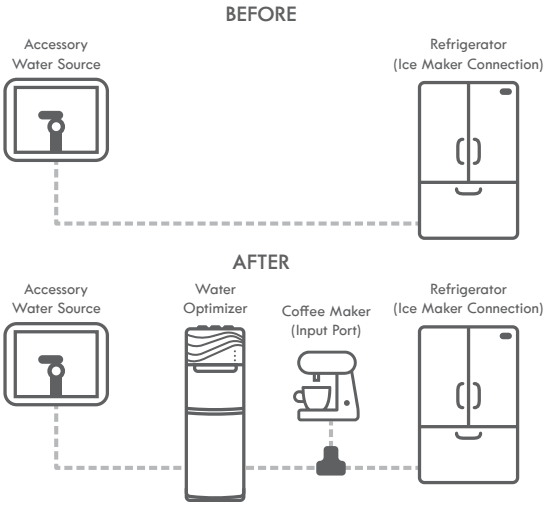


Diagram 2.1.1-C Accessory Water Line Source (Connected, 2 Accessory Appliances)

Sink Faucet Cold Water Line Configurations

source

0x acc.

Example Installation #2.1

Sink Faucet Cold Water Line Source

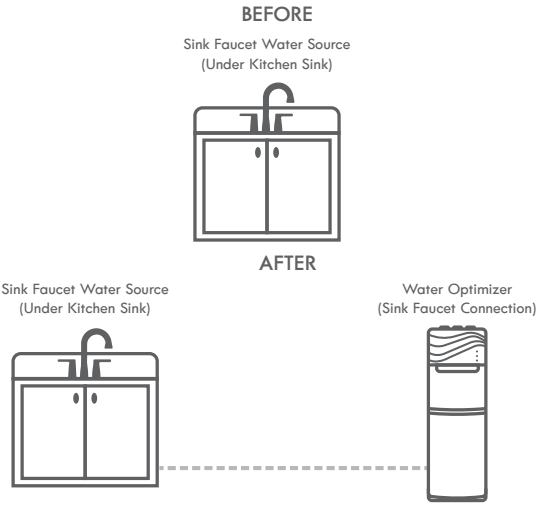


Diagram 2.1.2-A Faucet Cold Water Line Source (No Accessory Appliances)

source

1x acc.

Example Installation #2.2

Sink Faucet Cold Water Line Source - 1x Accessory Appliance

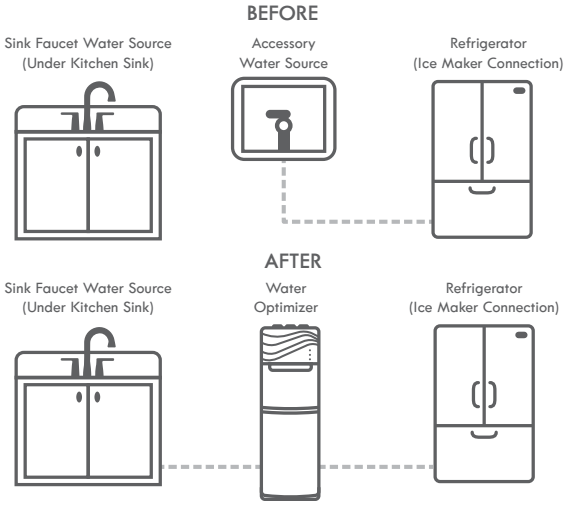


Diagram 2.1.2-B Faucet Cold Water Line Source (1 Accessory Appliance)

source

2x acc.

Example Installation #2.3

Sink Faucet Cold Water Line Source - 2x Accessory Appliances

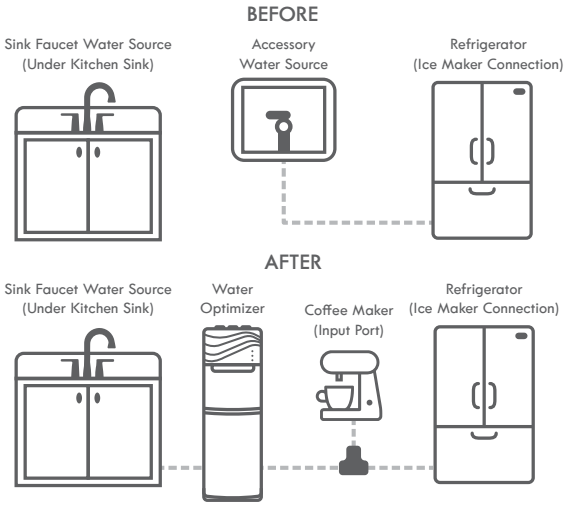


Diagram 2.1.2-C Faucet Cold Water Line Source (2 Accessory Appliances)

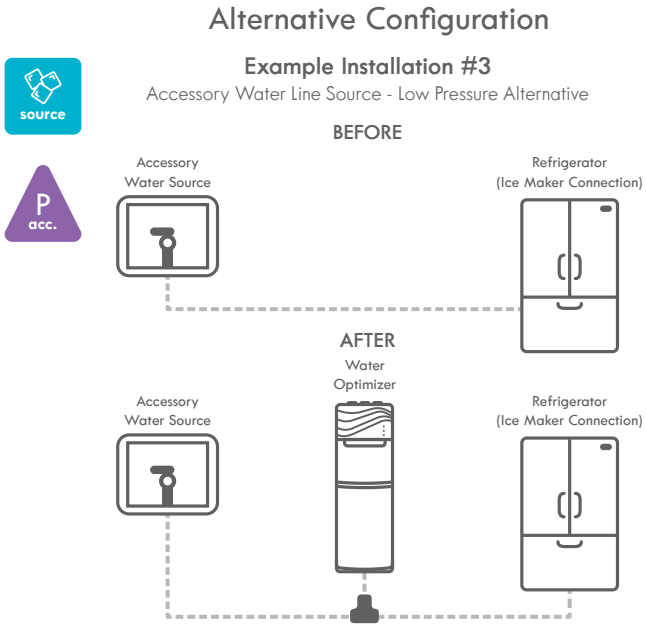


Diagram 2.1.3 Low Water Pressure Alternative (Shared in Parallel)

4. It's almost time to choose **where** to install your new Water Optimizer. You should have a pretty good idea based on available space and whichever configuration you selected. There's only one remaining factor you need to consider, and that is your tubing (water lines).

5. Your water source, Optimizer, and any accessory appliances all need to be connected by the white ¼ in. PP tubing (included in your installation kit) or existing water line hose. Take a moment to visualize where you'll need to run your water tubing, and visually inspect any potential trouble areas, and adjust your plans accordingly. Below are a two examples:

   A. **Cabinets separating your Optimizer from a water source or appliance, requiring you to route tubing over/under, or drill holes.**

   B. **Lack of vertical access from your water source under your sink to above your counter-top, requiring drilling holes to run the tubing inside your cabinets, or through your counter-top.**

Congratulations, the most difficult part is out of the way! Let's get started

Getting Started

Preparation

Before we start tapping your water source, there are a few items you need to grab that weren't included in your installation kit.

- Sharp Knife or Scissors
- Pliers, or Adjustable Wrench, or Open-End 7/16 in. Wrench (all installations), 1/2 in. Wrench (most installations), and 11/16 in. Wrench (*sink water source installation only)
- Container To Drain Water Into (i.e. bucket, bowl, or pitcher)
- Flashlight or Lamp (if under sink installation area is poorly lit)
- Drill (if drilling holes to run tubing is required)

Diagram 2.0.1 Additional Items Needed For Installation

1. Remove the Optimizer and filters from the packaging and set them aside.

2. Let's get started. If your plan is to utilize your Accessory Water Line as your source, proceed below for **Option A** (Accessory Water Line). Alternatively, if you plan to use your sink faucet cold water line as your source, turn to "Option B: Tapping Faucet

Cold Water Line" on page 2-16.

Installing Your Water Optimizer

Tapping Water Source

Option A: Tapping Accessory Water Line

In this section, you will require A 1/4 in. White PP Tubing, and may also need B 1/4 in. Compression To Quick Connect Adapter, and pliers, or an adjustable wrench or 1/2 in. wrench.

1. **If nothing is currently connected to your water accessory line**, skip forward to Step #7 on page 2-14.

2. **If appliance is connected to water accessory line**, start by powering off and unplugging the appliance.

3. Pull the refrigerator (or other appliance) away from wall sufficiently to allow access to wall and floor behind it.

Diagram 2.3A.3 Pulling Back Appliance To Access Water Source Line & Valve

4. In most scenarios, your shutoff valve and connection will look similar to the first diagram below. We've also included the second and third most common setups in the proceeding diagrams. The instructions should remain accurate, regardless of which setup yours is, as long as it incorporates a shutoff valve. Should the latter not be the case, you will have to locate the shutoff valve before proceeding.

Installing Your Water Optimizer

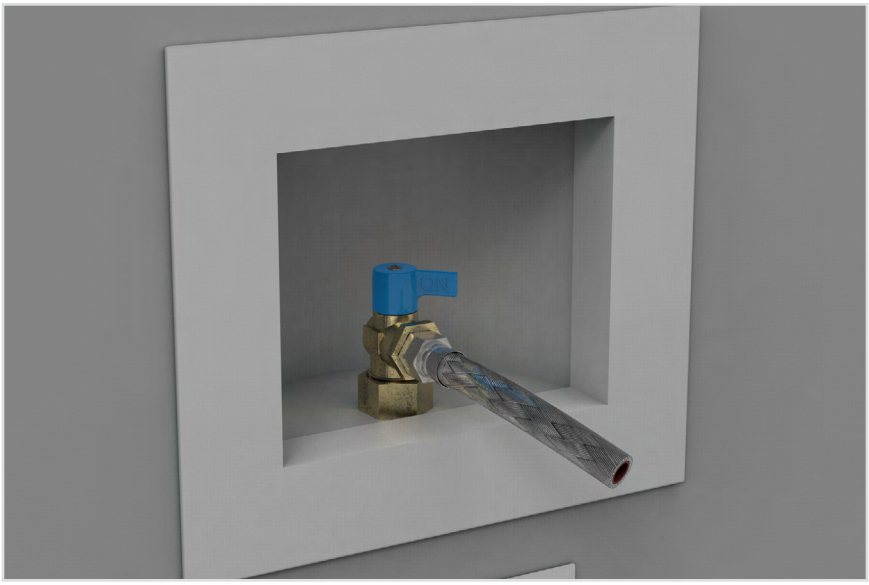


Diagram 2.3(A).4-A Wall Mounted Accessory Water Line Source

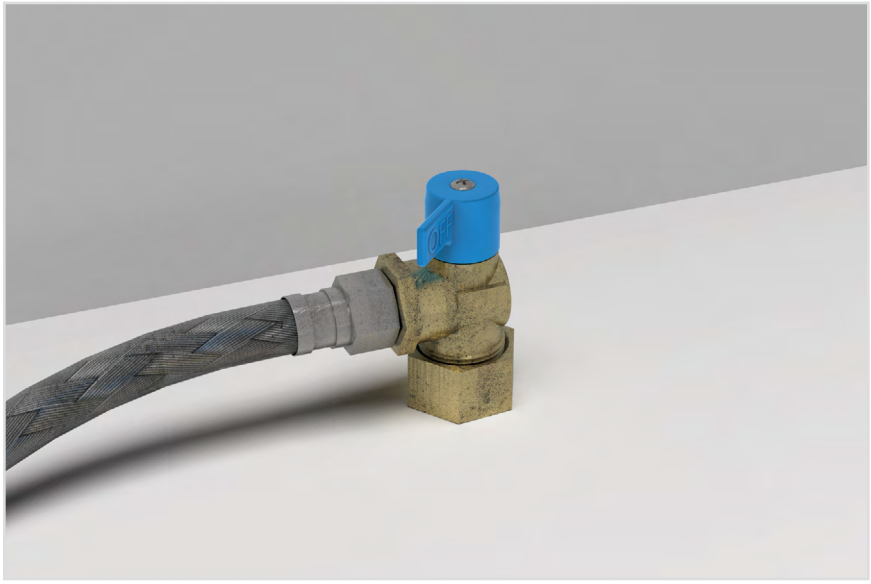


Diagram 2.3(A).4-B Floor Mounted Accessory Water Line Source

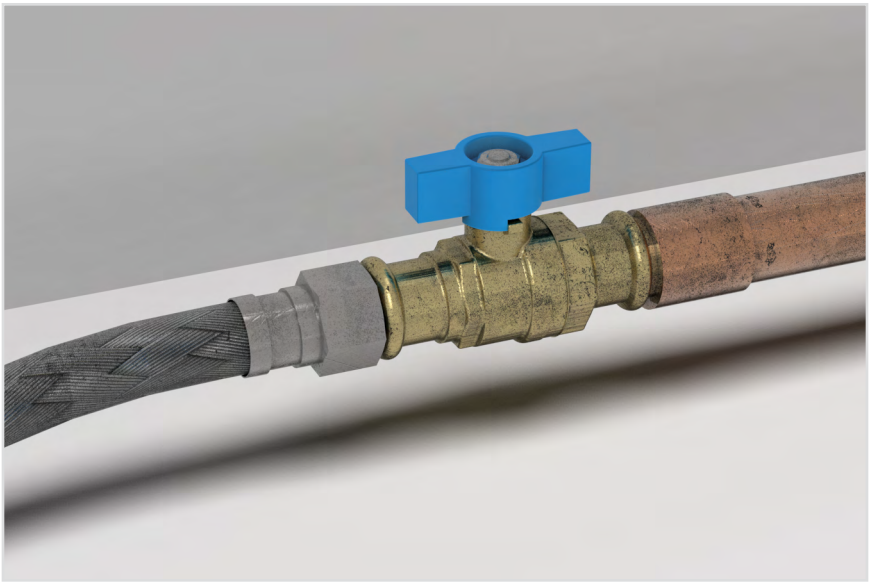


Diagram 2.3(A).4-C Unmounted/Free Accessory Water Line Source

5. Turn the valve handle clockwise until it stops to shut off water flow.

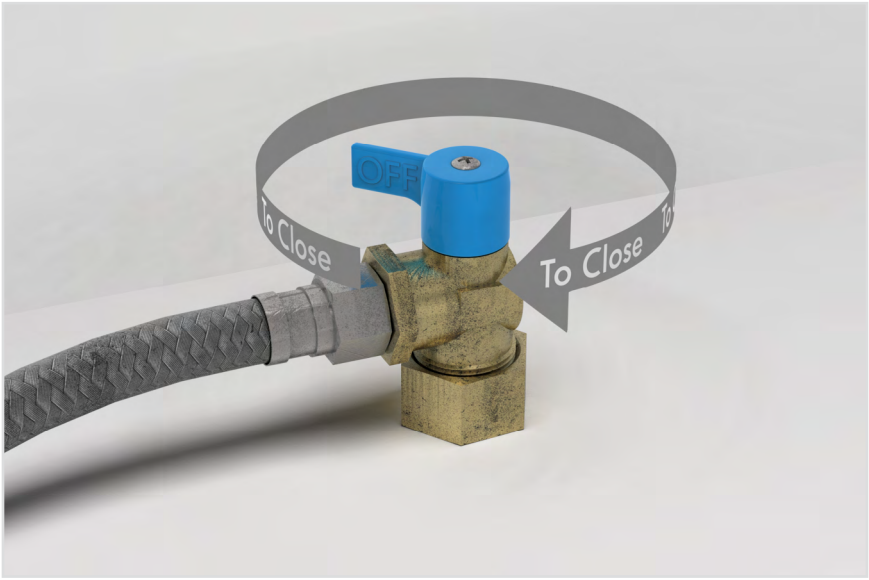


Diagram 2.3(A).5-A/B Closing Source Valve

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6. Now, use pliers, adjustable or 1/2 in. wrench, to disconnect the appliance water line from the source shutoff valve. If you're unsure how to disconnect the water line, see "Appendix B - Component Connections" on page 2-57. **If its already adapted to quick connect (see) leave the adapter, and disconnect the tubing.**

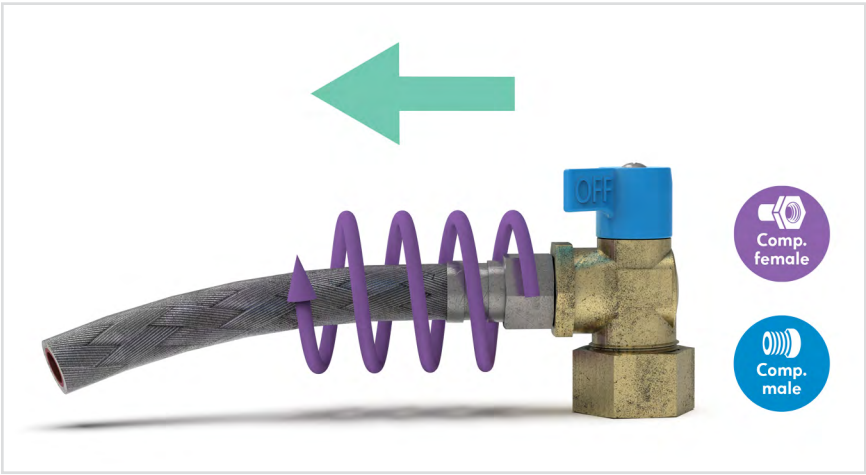

Diagram 2.3(A).6-A Disconnect Appliance Water Line (Compression)

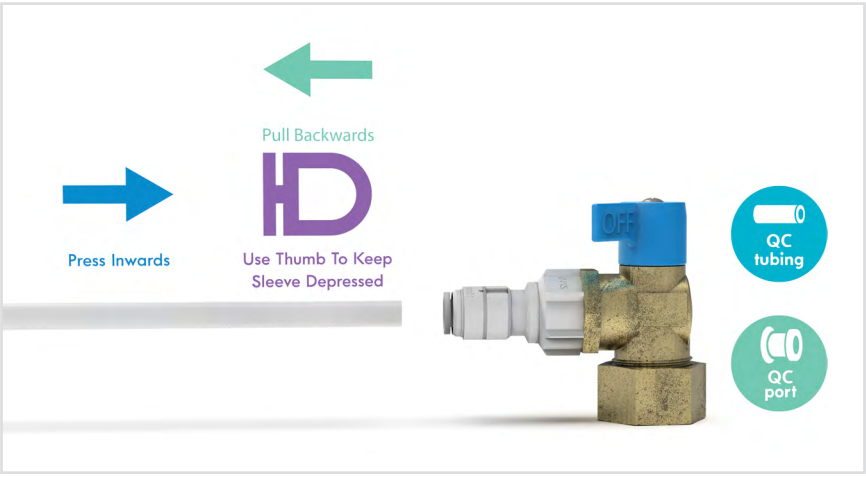

Diagram 2.3(A).6-B Disconnect Appliance Water Line (Quick Connect)

7. **If the water source shutoff valve isn't already Quick Connect,** connect B 1/4 in. Compression To Quick Connect Adapter to Accessory Water Line Shutoff

Valve.

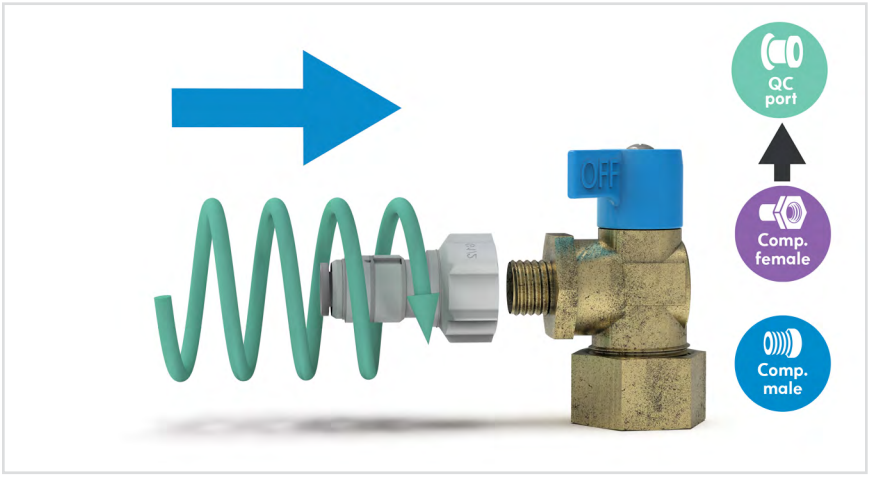

Diagram 2.3(A).7 Connect Compression-To-Quick Connect Adapter

8. Connect one end of A 1/4 in. White PP Tubing to B 1/4 in. Compression To Quick Connect Adapter.

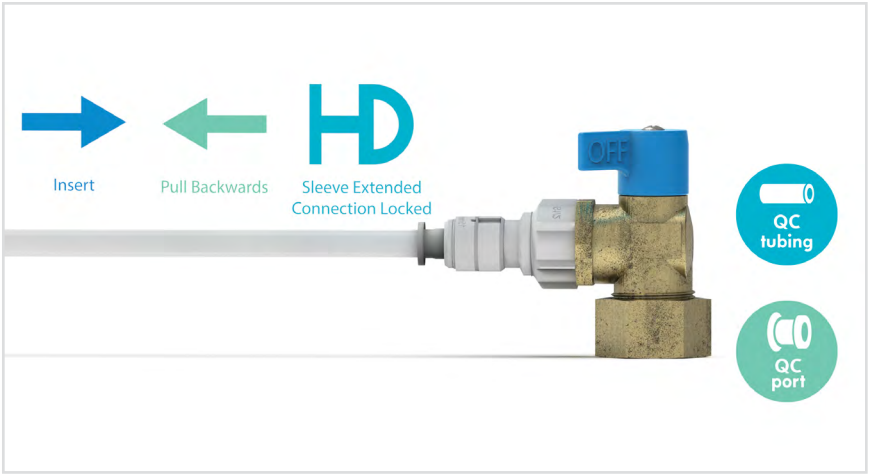

Diagram 2.3(A).8 Connect Tubing To Water Source

9. Congratulations! You've just completed the second most difficult part of your installation. Now jump ahead to "Running Water Source Line Step #4" on page 2-23.

Installing Your Water Optimizer

Option B: Tapping Faucet Cold Water Line

1. For this section, you will need F 3/8 in. Sink Adapter Valve, as well as pliers, a crescent wrench, or 7/16 in. and 11/16 in. open ended wrenches (see "Preparation" on page 2-9).

Diagram 2.3(B).1 Connect Compression-To-Quick Connect Adapter

2. Open your cabinet doors to reveal the plumbing underneath your sink. **Don't get overwhelmed by all the piping and connections.** We've provided a diagram with labels to help you understand what you're looking at (accurate for most under sink setups). The blue items listed below are ll that we'll be working with.

KS-A:	**Left Drain**
KS-B:	**Hot Faucet Handle**
KS-C:	**Hot Water Feed Line**
KS-D:	**Hot Water Shutoff Valve**
KS-E:	**Faucet**
KS-F:	**Cold Water Shutoff Valve**
KS-G:	**Cold Water Feed Line**
KS-H:	**Cold Faucet Handle**
KS-I:	**Garbage Disposal**

Installing Your Water Optimizer

KS-J: **Right Drain**

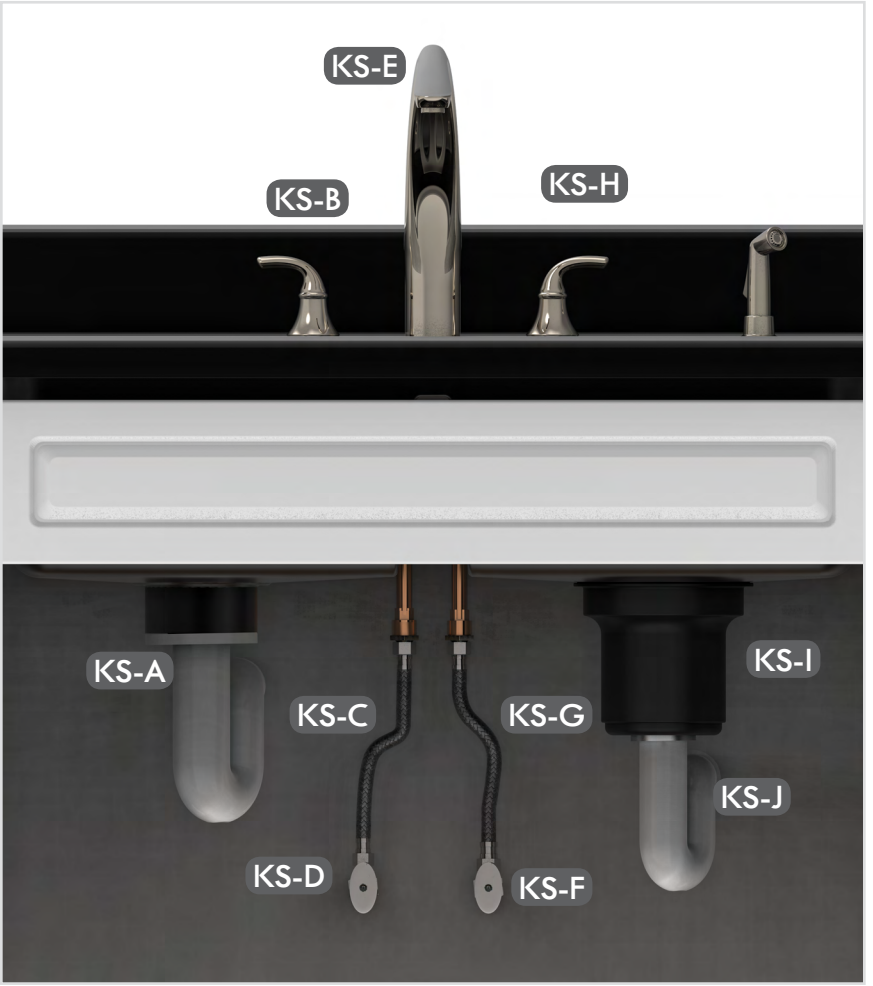

Diagram 2.3(B).2 Under Sink Reference Diagram

3. We will be tapping the cold water line, which is typically on the right, but its always smart to confirm the plumber didn't take any 'creative liberties'. Begin by turning on the cold water at your faucet KS-H.

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Diagram 2.3(B).3 Turn On Cold Water In Sink

4. Now turn the handle of KS-F Cold Water Shutoff Valve clockwise until it won't turn any further. If your faucet stops pouring water, we've confirmed this is your cold water shutoff. If it doesn't turn off, then it is the valve on the left.

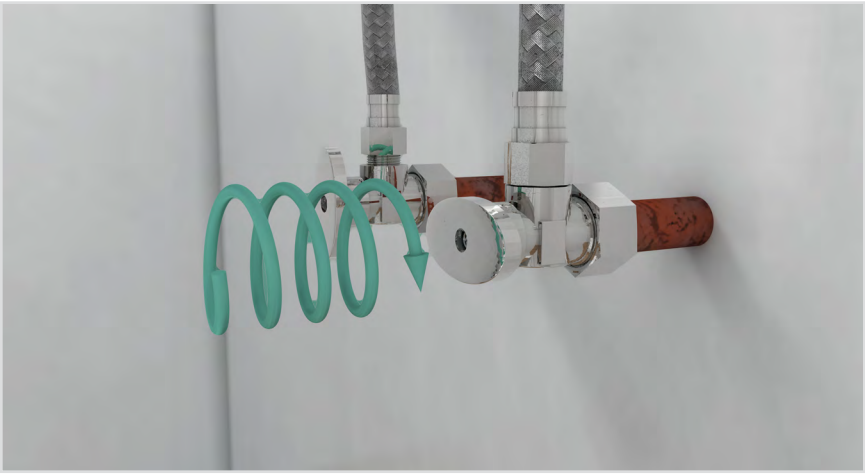

Diagram 2.3(B).4 Shutoff Cold Water Source Valve

5. Use our pliers, crescent wrench, or 11/16 in. wrench to loosen KS-G Cold Water Feed Line from KS-F Cold Water Shutoff Valve. IF THE WRENCH FITS, continue to loosen and detach the hose, and proceed. IF IT DOESN'T FIT, the

connection is almost certainly a ½ in. (Nominal/NPT) fitting. If you have a 15/16 in. and a 1 in. wrench, you can check to confirm by attempting to loosen the connection (there is 1/16 in. range of variance between different plumbing fittings). **IF THAT DOESN'T FIT, you have an extremely rare setup, and should contact a plumber.** IF THE LARGER WRENCH DOES FIT, we don't provide 1/2 in. adapter in your kit (only 2.5% of our customers require it), but we'd be more than happy to ship you one for free upon request. Call us at 1-844-374-6576, or email us at support@drinkpod.com. Or, if you don't want to wait, you can pick one up at your local hardware store. Ask for a 1/2 in (FIP) x 1/2 in. (MIP) x 1/4 in (OD) Push-to-Connect Angle Stop Adapter Valve.

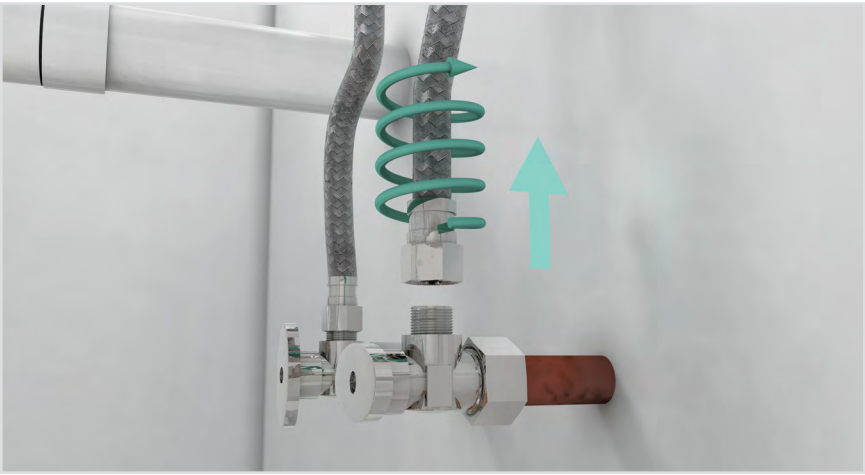

Diagram 2.3(B).5 Detach Cold Water Feed Line

6. Next, screw the bottom (female) end of F 3/8 in. Sink Adapter Valve to the top (male) end of KS-F Cold Water Shutoff Valve using your hand. Then tighten using medium force with the same wrench (11/16 in.) you used to remove KS-G Cold Water Feed Line.

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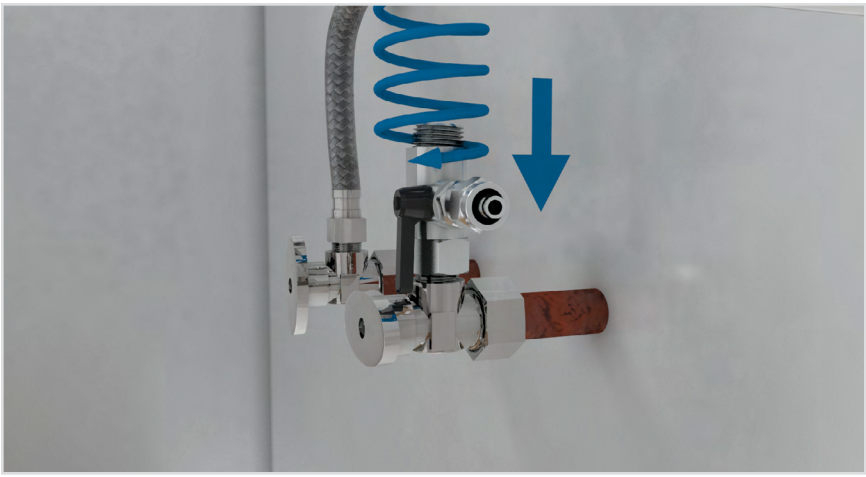

Diagram 2.3(B).6 Attach Sink Adapter Valve To Cold Water Shutoff Valve

7. Now using your hand, screw the (female) end of KS-G Cold Water Feed Line onto the top (male) end of F 3/8 in. Sink Adapter Valve, and use wrench to tighten using medium force.

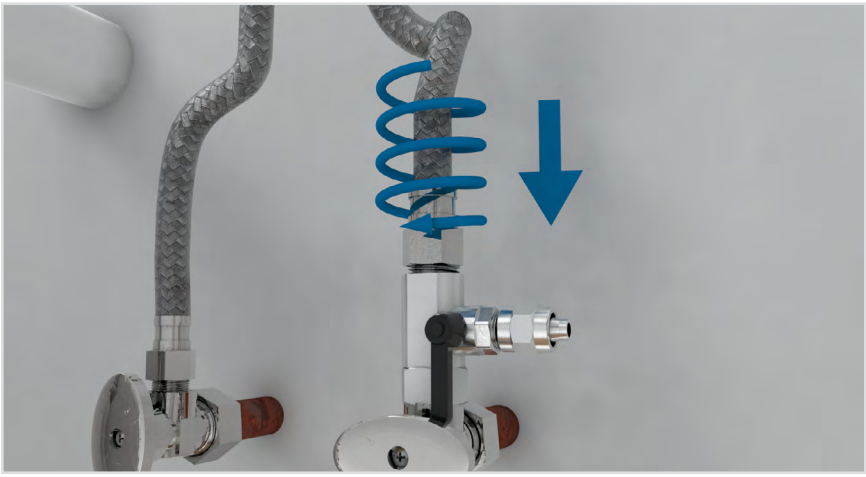

Diagram 2.3(B).7 Attach Cold Water Feed Line To Sink Adapter Valve

8. Let's confirm there are no leaks. Check to make sure the valve on part F 3/8 in. Sink Adapter Valve is closed (pointing downward as shown above). Next,

open the flow on KS-F Cold Water Shutoff Valve by repeating "Step 4" on page 1-2. Water should pour from faucet, and nothing should be no leaking below. If there are leaks, tighten connections with wrench, then turn off KS-H faucet and proceed.

9. With your hand, unscrew and remove the compression nut from the side of F 3/8 in. Sink Adapter Valve.

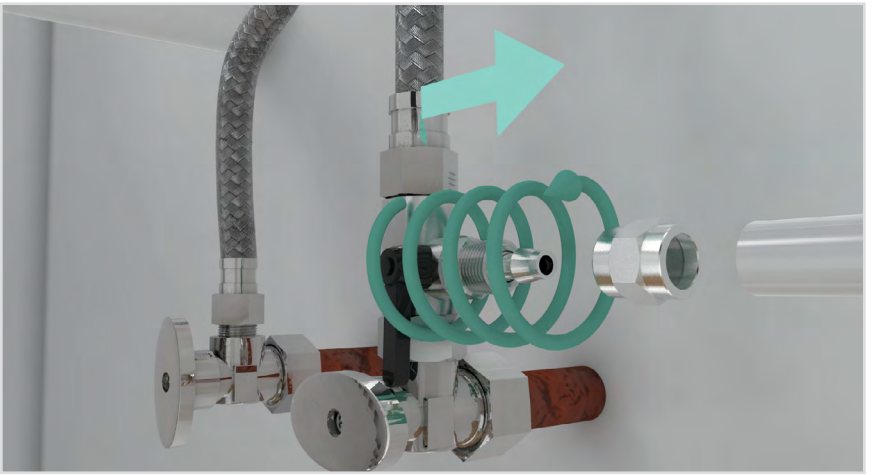

Diagram 2.3(B).9 - Unscrew Compression Bolt From Sink Adapter Valve

10. Uncoil end of A 1/4 in. White PP Tubing, and thread through the small end of nut.

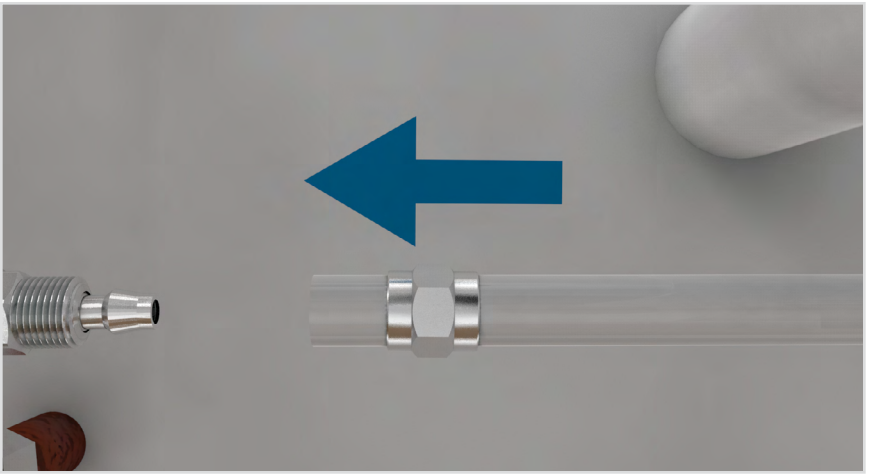

Diagram 2.3(B).10 - Thread Tubing Through Compression Nut

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11. Now stretch the same end of A 1/4 in. White PP Tubing over the 'nipple' of F 3/8 in. Sink Adapter Valve's side connection until it butts up against the threads. This may require pressing very firmly and twisting back and forth.

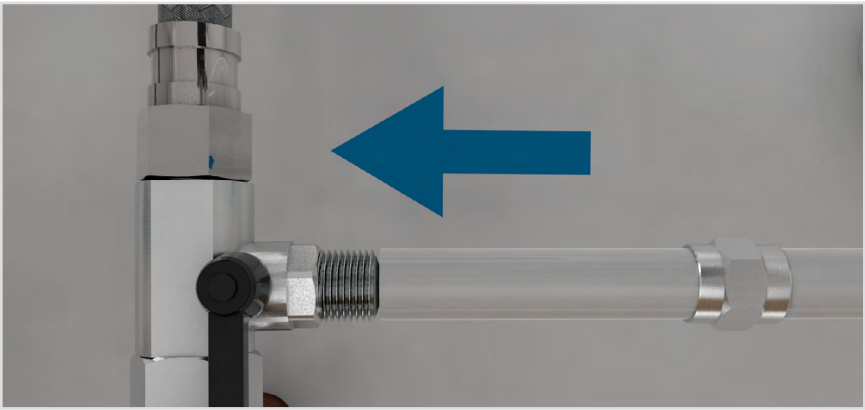


Diagram 2.3(B).11 - Stretch/Press Tubing Over Sink Adapter Valve Compression Nipple

12. Using your hand to screw nut back onto threads of F 3/8 in. Sink Adapter Valve, then tighten with pliers, or 7/16 in. wrench.

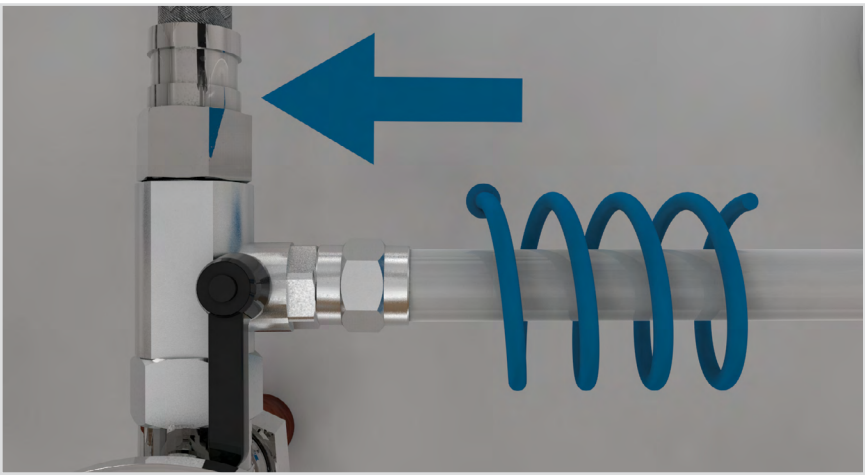


Diagram 2.3(B).12 - Screw Compression Nut Back Onto Sink Adapter Valve

Congratulations! You've just completed the second most difficult part of your installation. Now jump ahead to "Running Water Source Line Step #4" on page 2-23.

Installing Your Water Optimizer

Running Water Source Line

It's time to run your water line (tubing) from your water source to where your Optimizer will be place. For this section, you will require

1. Uncoil and run A 1/4 in. White PP Tubing, from where its connected (to your water source) to wherever you intend to locate your Optimizer. Make any necessary adjustments (i.e. drilling holes) as you go.

2. Once you have the water line tubing ran all the way to where your Optimizer will be placed, measure out a 1 - 2 ft. of additional tubing. You want to ensure you have sufficient slack to pull the Optimizer away from the wall for maintenance.

3. Cut the tubing using your scissors or knife. Be careful to cut the tubing straight across (at a 90 degree angle) to avoid leaks.

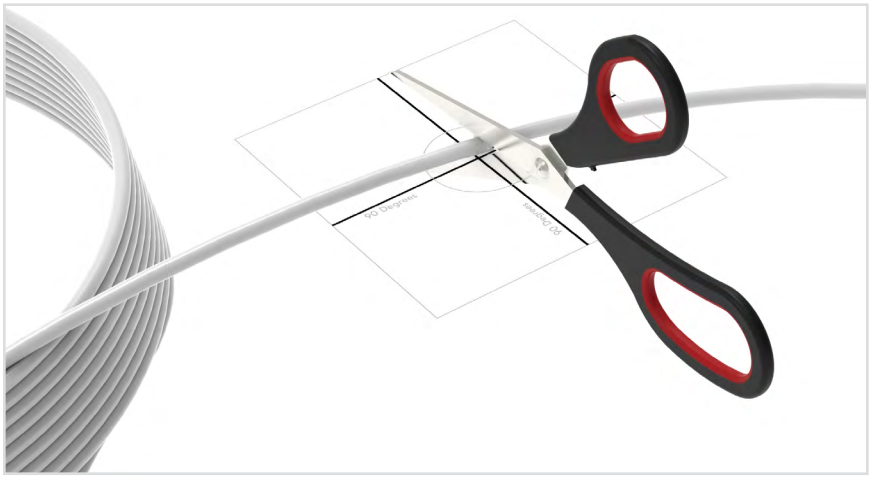


Diagram 2.4.3 Cut Tubing

4. Now, insert the open end of A 1/4 in. White PP Tubing into one end (doesn't matter which) of C 1/4 in. Quick Connect Shutoff Valve. Continue to firmly insert tubing into opening until it won't go any further. Then pull tubing backwards (away) from valve, using medium force, to engage/extend the compression sleeve on the valve, and ensure the connection is secured.

Installing Your Water Optimizer

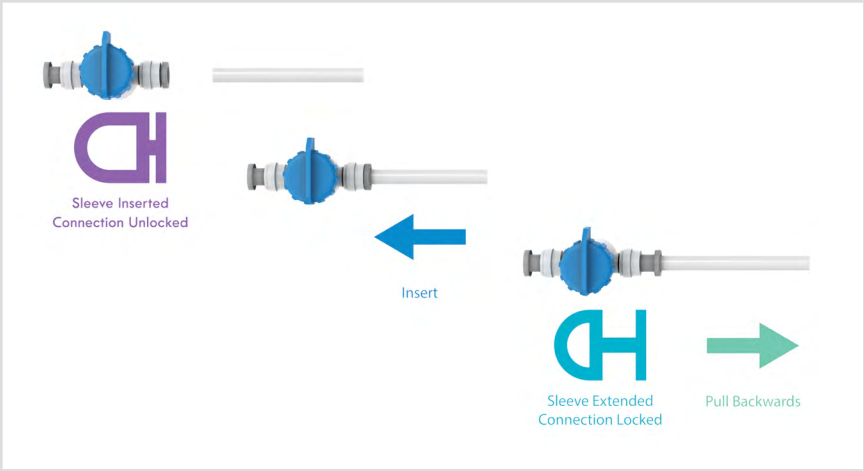


Diagram 2.4.4 Connect Tubing To Shutoff Valve

5. Make sure the valve handle is closed by turning it clockwise as far as it will go. When closed, the handle extends out perpendicularly to the length of the shutoff valve.

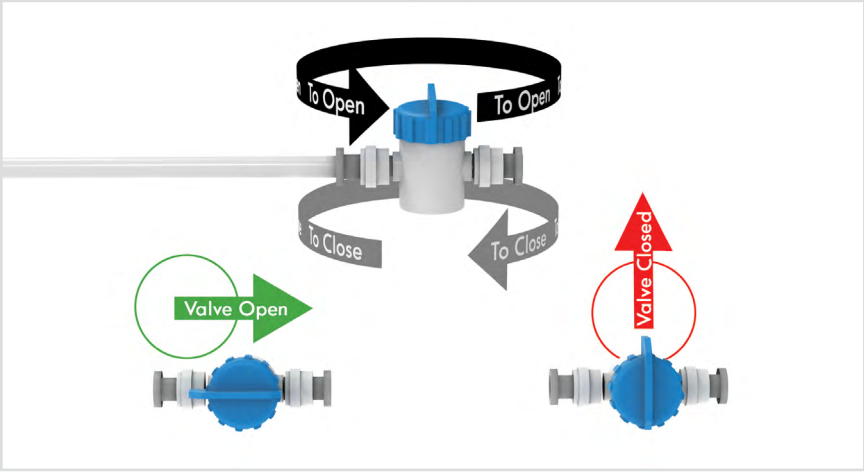


Diagram 2.4.5 Ensure Valve Is Closed

6. Once you've confirmed that the valve is closed, open the valve at your water source (by turning counter clockwise) to enable the water to fill the tubing, ensuring there are no leaks in either end of the connections to the water line.

Installing Your Water Optimizer

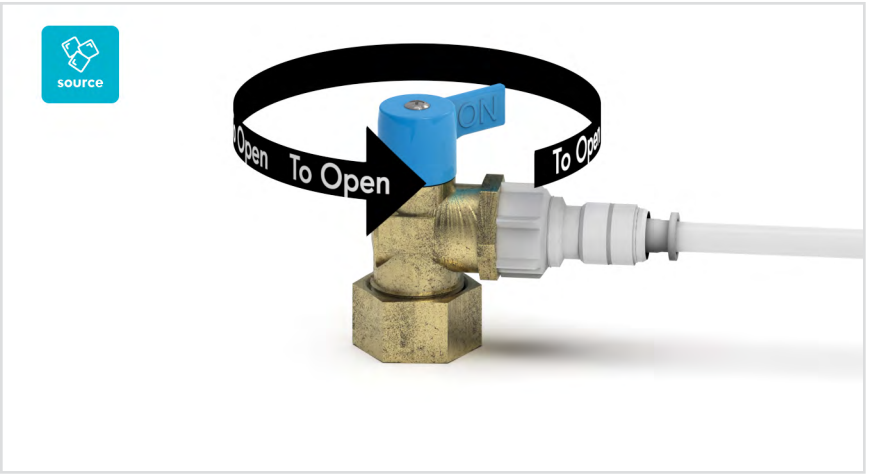


Diagram 2.4.6-A - Open Ice-maker Source

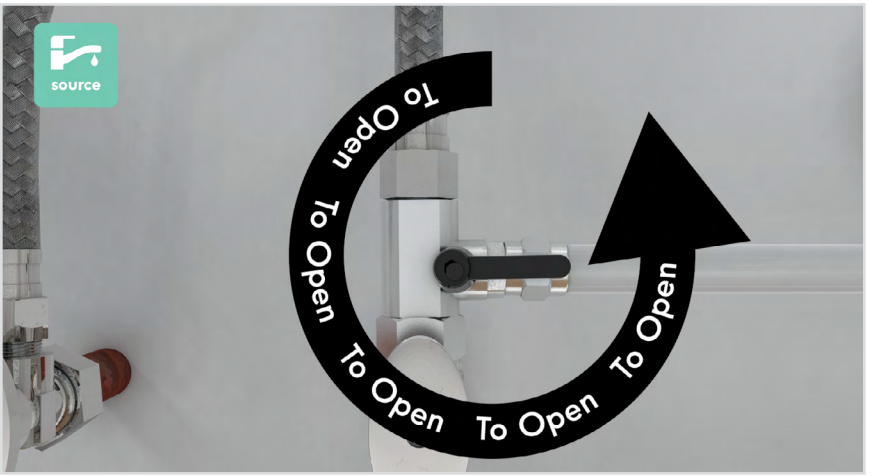


Diagram 2.4.6-B - Open Sink Source

7. If there are no leaks, you're doing great, and are ready to proceed to the next stage, "Flushing Your Filters" on page 2-26. If there is a leak, shut off the water flow. Review the connections and "Steps 3 - 5" on page 2-23 to correct your leak, and proceed to the next stage.

Installing Your Water Optimizer

Flushing Your Filters

Certain types of filters require flushing prior to use. **This is important for both the filters lifespan, and the long term lifespan of your Water Optimizer. Additionally, replacements for these types of filters should be flushed each time one is replaced, prior to installing.** For your kit, the two specific filters that need flushed are F2 Chemical Filter and F4 Polishing Filter.

This section will require A 1/4 in. White PP Tubing, G Filter Flushing Attachment, the filters listed above, scissors, and a container to flush water into (if your sink isn't within reach of your water line).

1. Begin by cutting a 3 ft. to 5 ft. section of A 1/4 in. White PP Tubing. Make sure to cut the tubing at a 90 degree (perpendicular) angle.

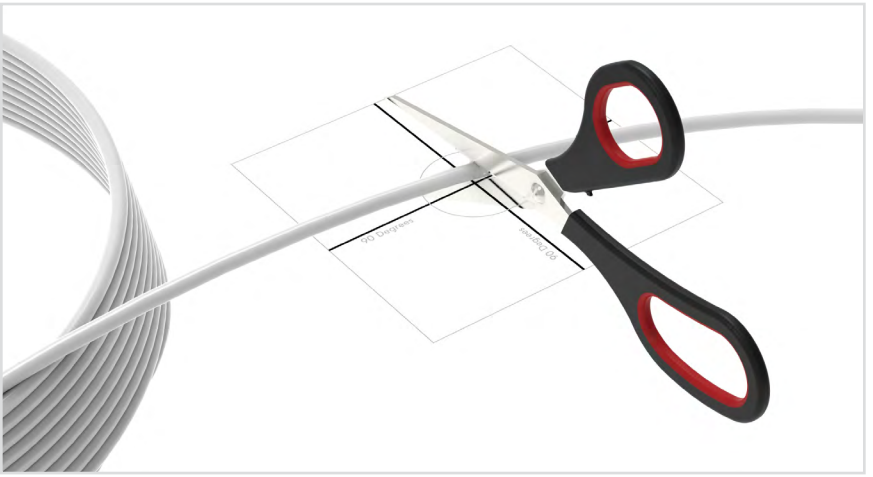


Diagram 2.5.1 Cut Tubing Perpendicularly

2. Next, insert one end to the labeled IN port on G Filter Flushing Attachment. Be sure to forcefully push tubing all the way into the QC input until it won't insert any further.

Installing Your Water Optimizer

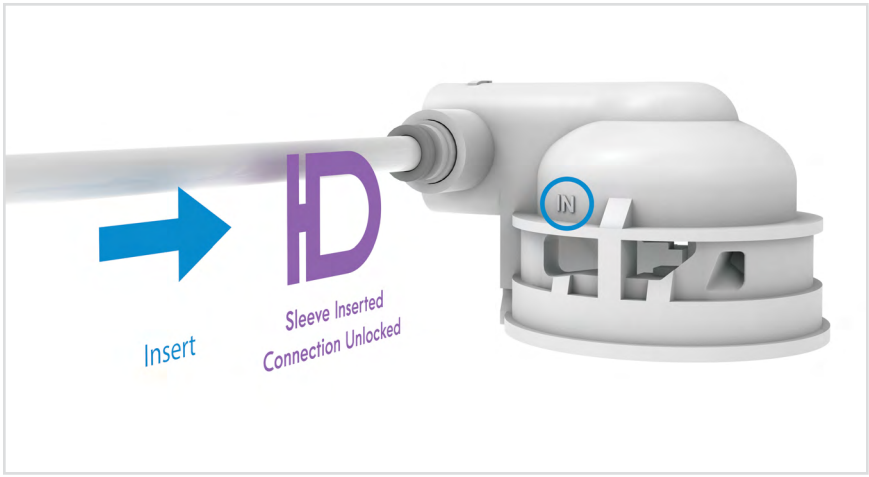


Diagram 2.5.2 Insert Tubing Into Quick Connect Input Port

3. Now pull backwards on tubing, away from attachment, extending the QC sleeve, and ensuring the connections is 'locked'.

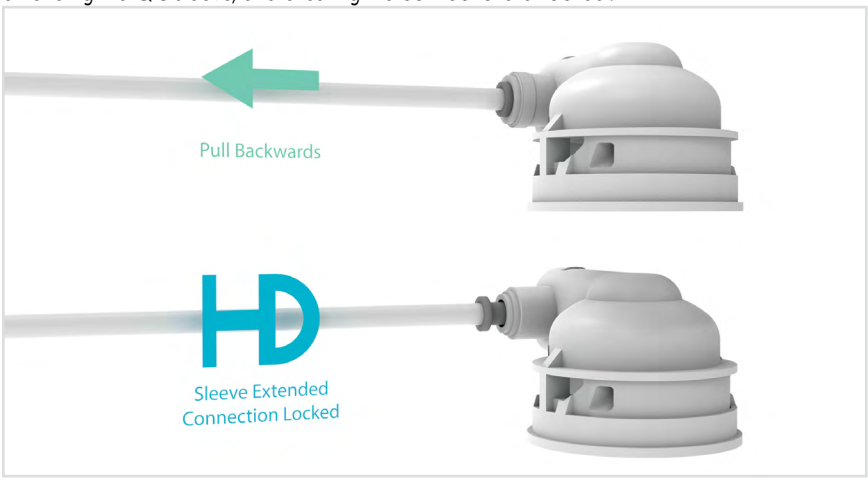


Diagram 2.5.3 Pull & Lock Quick Connect Connection

4. This will be your 'Filter Flushing Setup' that you will save and use every time you replace your filters. The OUT port is where the water will be flushed out. **Optional** - You can cut another piece of tubing (to whatever length you need) if you wish to have additional line to run wherever you intend to dispense the flushed water into.

Installing Your Water Optimizer

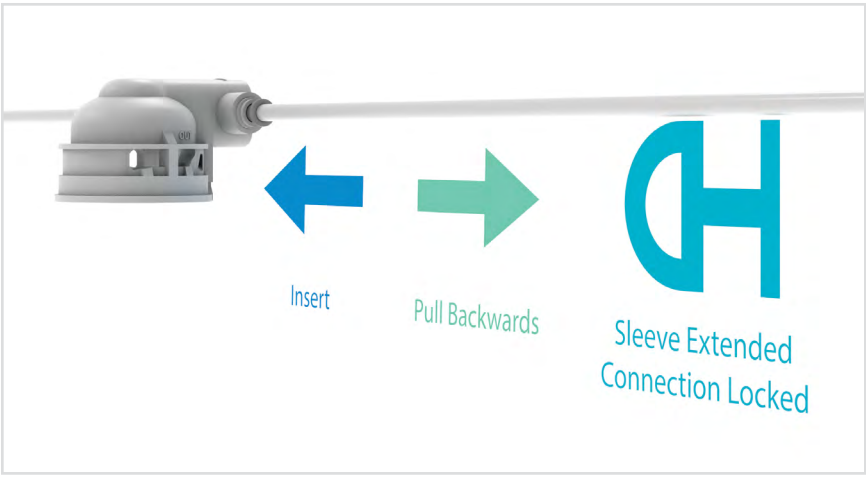


Diagram 2.5.4 OPTIONAL Connect Drain Line To Flushing Accessory 'OUT' Port

5. Follow the same steps to connect the open end of the IN line (not the OUT line) from your G Filter Flushing Attachment, and connect it to the open port on your C 1/4 in. Quick Connect Shutoff Valve connected to your Water Source Line.

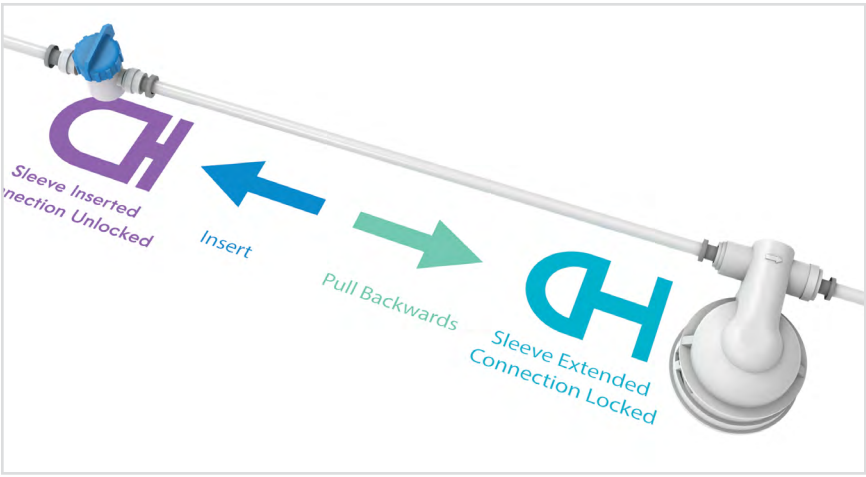


Diagram 2.5.5 Connect Filter Flushing Setup To Water Source Line

6. Next, insert the F2 Chemical Filter up into G Filter Flushing Attachment while twisting it clockwise until it locks into place.

Installing Your Water Optimizer

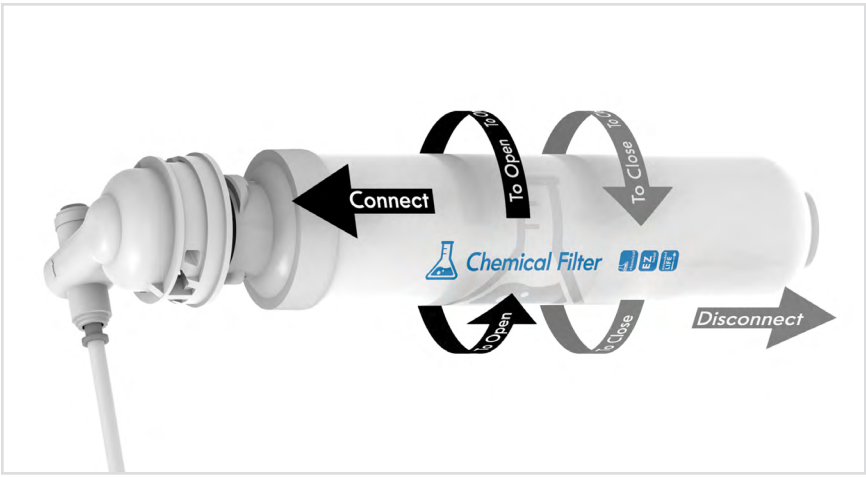


Diagram 2.5.6 Connect REDOX Filter To Filter Flushing Accessory

7. Place the filter and G Filter Flushing Attachment in your sink or container (for draining water). Ensure the labeled 'OUT' port is pointed to direct water down - so the flushed water doesn't spray up into the air.

Diagram 2.5.7 Aim Filter & Flush Accessory Down Into Sink/Container

8. Now, turn the handle counter-clockwise on C 1/4 in. Quick Connect Shutoff Valve to start the water flow.

Installing Your Water Optimizer

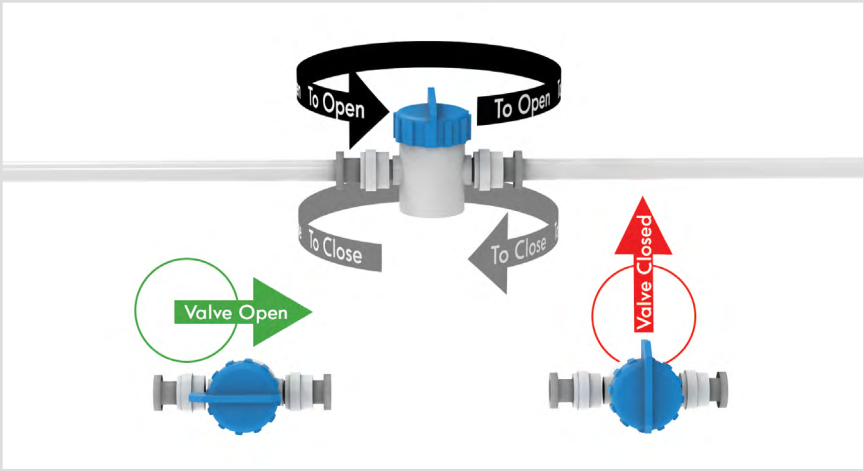


Diagram 2.5.8 Open Quick Connect Valve

9. Flush the filter for a total of 2 minutes. Then shut off the water flow, and disconnect the filter. Be careful to set the filter down upright on a solid surface, to avoid spilling the water remaining in the filter.

Diagram 2.5.9 Flush For 2 Minutes

10. Next, connect F4 Polishing Filter and repeat "Steps 7-10" on page 2-29.

Installing Your Water Optimizer

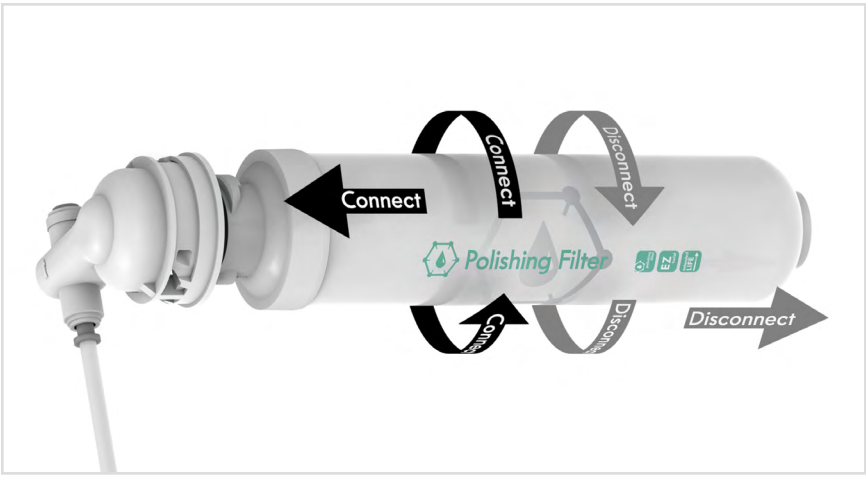


Diagram 2.5.10 Connect & Flush Polishing Filter

11. Now push the tubing (running from G Filter Flushing Attachment to C 1/4 in. Quick Connect Shutoff Valve) back into the valve as far as possible. Then, while using your thumb to keep the QC sleeve fully depressed, gently pull the tubing out of the port.

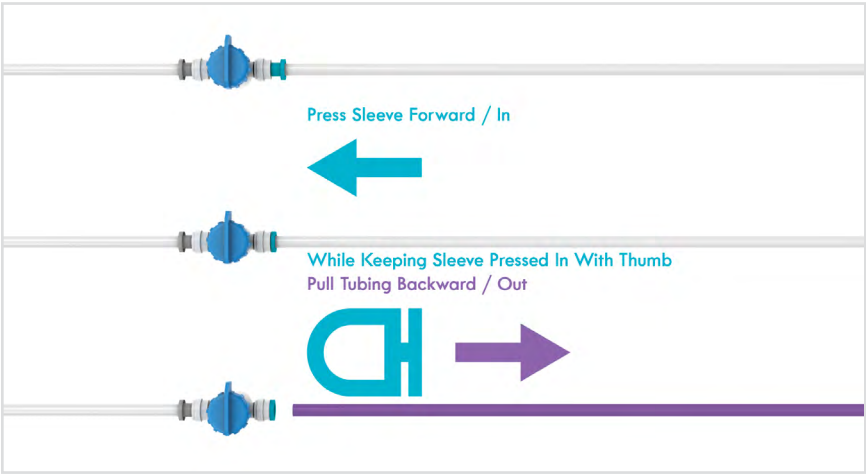


Diagram 2.5.11 Disconnecting Filter Flushing Setup From Water Source

12. Be sure to store the your 'Filter Flushing Setup' somewhere safe and accessible for each time you replace your filters.

Installing Your Water Optimizer

13. Now, if you plan to connect any other appliances to your Optimizer (i.e. refrigerator or coffeemaker) proceed to "Connecting Accessory Appliances" on page 2-33. Otherwise, proceed to "Connecting Water Optimizer" on page 2-43.

Installing Your Water Optimizer

Connecting Accessory Appliances

Alright! It's time to connect any additional appliances you want your new Water Optimizer to provide purified water to. These can include refrigerators (ice maker/water dispenser), stand alone ice makers, and coffee, espresso, or barista machines that support an in-line water feed. If you don't plan to connect any appliances, jump ahead to the next section "Connecting Water Optimizer" on page 2-43.

Read this next paragraph thoroughly. The specific instructions required to complete the following steps differ broadly for each user, based on the type and number of connections. To simplify this, we've created icons to indicate **which instructions you should follow, and which you should ignore**. The first set of icons is in reference to the type of input connection available on your appliance(s), see "Appendix B - Component Connections" on page 2-57 for more details. The second set of icons reference your appliance accessories configuration (1, 2, or Parallel), covered in "Accessory Water Line Configurations" on page 2-5.

INPUT CONNECTION TYPES

A.

If your appliance has a Quick Connect Tubing hose running from (same as what was included with your Optimizer).

B.

If your appliance is equipped with a Quick Connect Port (similar to ports on the back of your Water Optimizer).

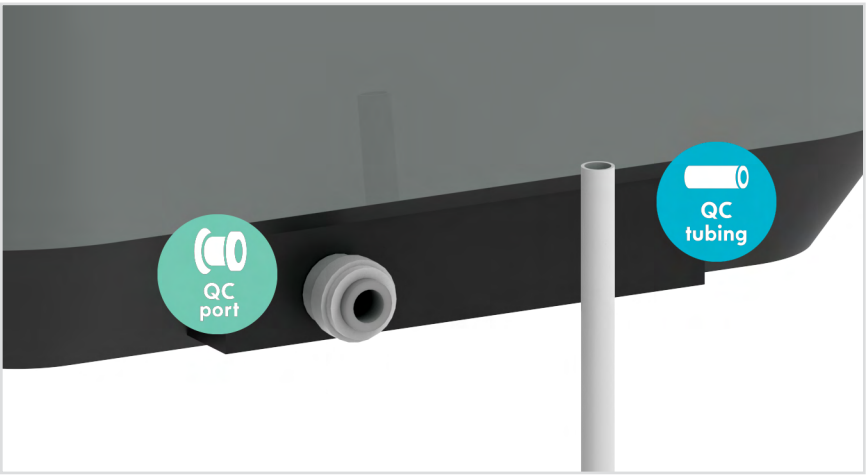


Diagram 2.6.0-A/B - Quick Connect Port & Tubing Examples

Installing Your Water Optimizer

C.

If your appliance is equipped with a Male Compression Port or (threaded connection like a hollow bolt, can be metal or plastic).

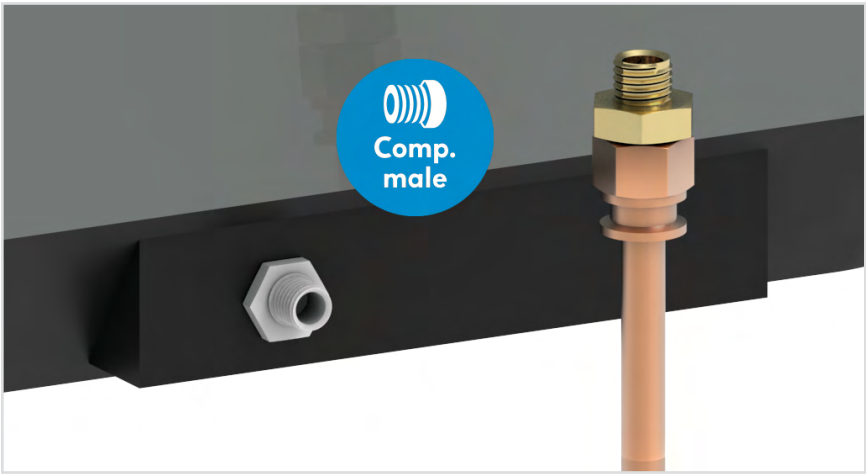


Diagram 2.6.0-C - Male Compression Port Example

D.

If your appliance is equipped with either a Female Compression Port or Hose (threaded connection like an attached nut, can be metal or plastic).

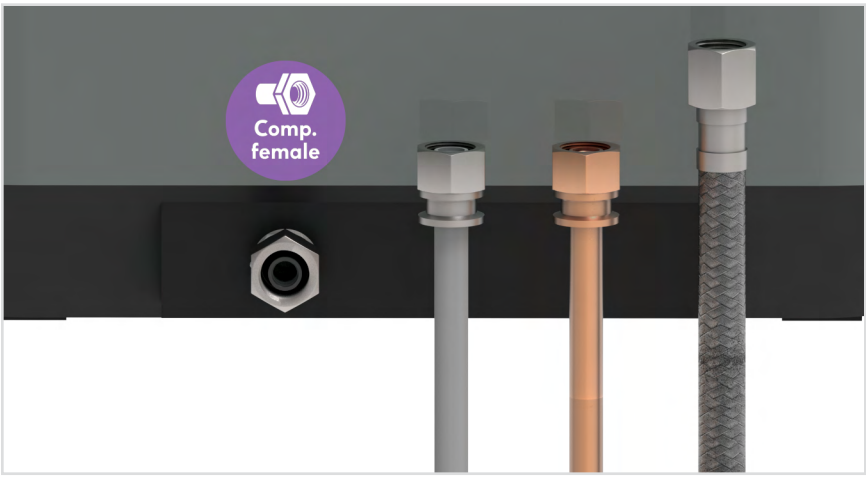


Diagram 2.6.0-D - Female Compression Port & Hose Examples

Installing Your Water Optimizer

CONFIGURATION OF ACCESSORIES

A.

If you are only connecting 1 Accessory Appliance.

B.

If you are connecting 2 Accessory Appliances.

C.

If you have low water pressure and require the Parallel Configuration (see below).

For safety reasons, we recommend powering off and unplug the appliances you want to connect.

NOTE REGARDING LOW WATER PRESSURE

While it is not typical, be aware that sufficient water pressure is required for the optimal experience. Insufficient water pressure to your Water Optimizer will degrade outgoing water flow, and in rare worst cases, even prevent the feature from functioning. If you experience any of these issues, we recommend speaking with a professional plumber.

If your water pressure cannot be resolved, we do offer an Alternative Ice Maker Configuration for users that have chosen a Accessory Water Line as their source. This "Alternative Configuration" (see page 2-8) *allows the water flow to be shared, rather than daisy-chained.*

Identify

1. If you haven't already, look at the back of your appliance(s), and identify which of the above listed connection(s) you will be connecting to. Only follow the directions with the relevant icon(s), and skip the others.

Location

2.

If you are planning to have 2 Accessory Appliances, you will be connecting both to

1/4 in. Brass Compression Tee first, and then connecting that to Accessory Output Port (see Use & Care Guide or In/Out sticker on bottom rear corner of right exterior panel) on your Water Optimizer. You can locate where they connect to the Brass Compression Tee wherever is most convenient. Just be sure to allow enough length when cutting sections of

1/4 in. White PP Tubing. Also, if your appliance has a hose (rather than port) that isn't long enough to reach, follow the instructions below for "Extending" on page 2-37.

Installing Your Water Optimizer

If your low water pressure requires a Parallel Configuration, you will be connecting your Optimizer and refrigerator (or whatever other appliance was originally connected to your water source) first to E 1/4 in. Brass Compression Tee, and then connecting this to the water source. You can locate where they connect to the Brass Compression Tee wherever is most convenient. Just be sure to allow enough length when cutting sections of A 1/4 in. White PP Tubing. Also, if your appliance has a hose (rather than port) that isn't long enough to reach, .

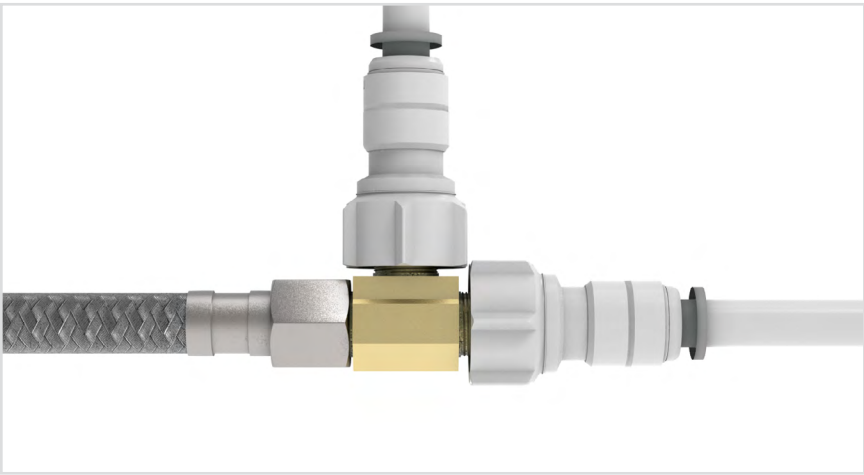


Diagram 2.6.2 - Example of Brass Compression Tee Used As Hub

Adapting

3. If your accessory appliance(s) has a Male Compression Port or Hose, you 'll need to convert it to Quick Connect. Screw B 1/4 in. Compression To Quick Connect Adapter clockwise tightly onto the port. From this point on, you will follow the Quick Connect Port instructions for this appliance.

Installing Your Water Optimizer

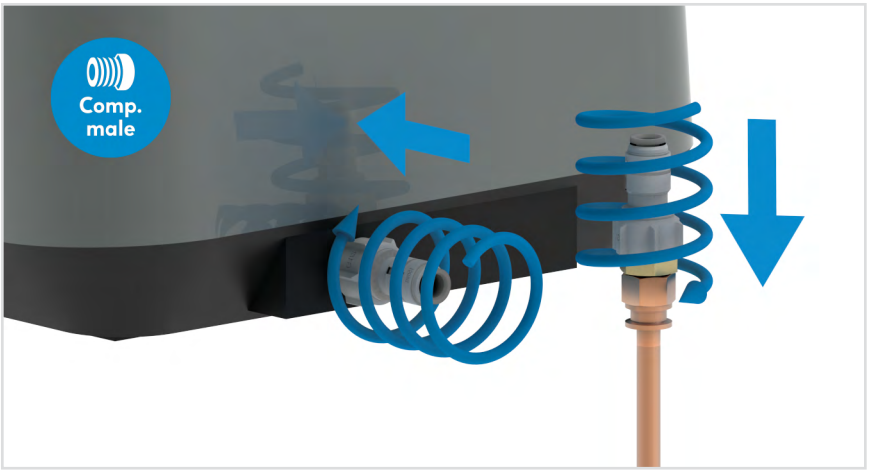


Diagram 2.6.3-A - Screw Compression To Quick Connect Adapter Onto Port or Hose

1x acc. For 1 Accessory Appliance Configurations, you will need to run a section of A 1/4 in. White PP Tubing from your Accessory Appliance, directly to where you plan to locate your Water Optimizer (unless the appliance already has an integrated QC tubing Quick Connect Tubing hose you plan to use instead). Finish by connecting the other C 1/4 in. Quick Connect Shutoff Valve to the end of the tubing or hose that will connect to your Optimizer. It should look like this:

1x acc. HOSE/PORT > ADAPTER (if necessary) > TUBING (if necessary) > SHUTOFF VALVE (where Water Optimizer will be located)

Once you've completed this, jump ahead to "Connecting Water Optimizer" on page 2-43.

Comp. female If your Accessory Appliance's port or hose is Female Compression, use D 1/4 in. Brass Compression Union to adapt the port/hose to the 1/4 in. White PP Tubing line (referenced above). Instructions for this are including in the following step and "Diagram 2.6.4-B" on page 2-39.

Extending

4. If your appliance has a port (rather than a hose), or a hose that will not reach sufficiently far, follow the relevant directions below.

Installing Your Water Optimizer

To extend Quick Connect Tubing, use D 1/4 in. Brass Compression Union and 2x B 1/4 in. Compression To Quick Connect Adapters to connect the tubing running from your appliance to a section of A 1/4 in. White PP Tubing, as shown below.

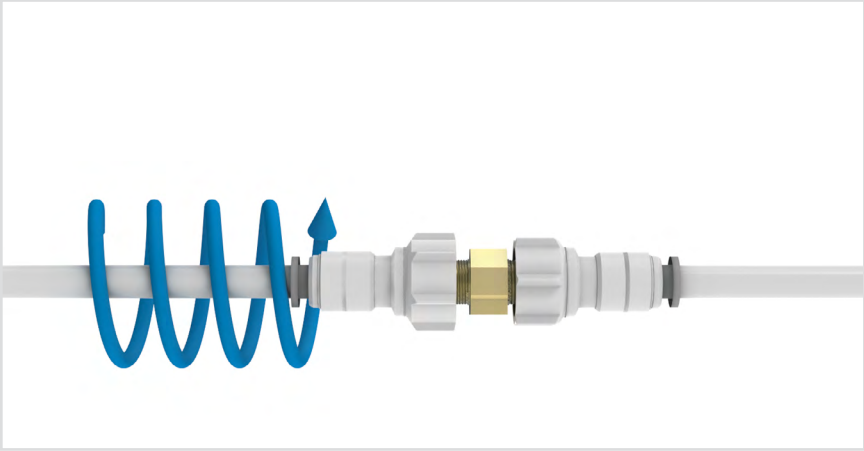


Diagram 2.6.4-A - Extending Quick Connect Tubing With Brass Compression Union

To extend from Quick Connect Port, simply follow the usual method to connect one end of a section of A 1/4 in. White PP Tubing into the appliance's port using the normal method. If you need a refresher, see "Diagram 2.5.5" on page 2-28.

To extend from a Female Compression Port or Hose, simply screw it onto one end of a D 1/4 in. Brass Compression Union. Then, connect a B 1/4 in. Compression To Quick Connect Adapter to the other end, along with a section of A 1/4 in. White PP Tubing.

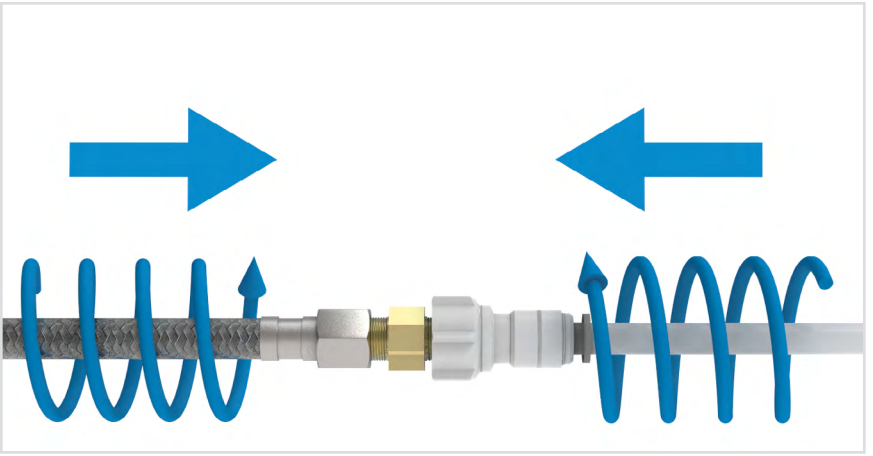


Diagram 2.6.4-B - Extending Female Compression Hose or Port With Brass Union

Merging

5. 2x acc. P acc. This is where we will be connecting both appliances to E 1/4 in. Brass Compression Tee, then running a single merged line to the final destination. The instruction on how to connect both configurations are identical, only the ports each is connected to differ. Follow the relevant instructions for each connection below, using the specified ports of the diagrams that follow.

   2x acc. 2 Accessory Appliance Configuration will require another section of A 1/4 in. White PP Tubing connected through a B 1/4 in. Compression To Quick Connect Adapter to your E 1/4 in. Brass Compression Tee, with the other end running to your Water Optimizer.

   P acc. Parallel Configuration will use the existing line you ran from the Water Source at the beginning of the installation process. However, you will remove C 1/4 in. Quick Connect Shutoff Valve that you connected to our Water Source Line back at "Running Water Source Line Step #4" on page 2-23 - be sure to shutoff water flow at your source prior to disconnecting. You will also need an additional section of A 1/4 in. White PP Tubing to run from a B 1/4 in. Compression To Quick Connect Adapter connected to the Brass Compression Tee port specified in "Diagram 2.6.5-B" on page 2-41, and on to your Water Optimizer. You will connect the Shutoff Valve to the other end of this line. Once all of this has been done, you can re-open your water source valve, and re-plug in and

power on your accessory appliance.

To connect Quick Connect Tubing to the E 1/4 in. Brass Compression Tee, unscrew the compression nut (from the port specified in the applicable diagram below), and thread the Quick Connect Tubing through it. Then, insert the Quick Connect Tubing into the threaded port of the Brass Compression Tee, and screw the compression nut back onto the port with your hand. Finally, tighten the connection with a 1/2 in. wrench or pliers.

To connect a Female Compression Hose, simply remove and set aside the compression nut (from the port specified in the applicable diagram below), and screw the Female Compression Hose directly onto the port, using a 1/2 in. wrench or pliers to tighten.

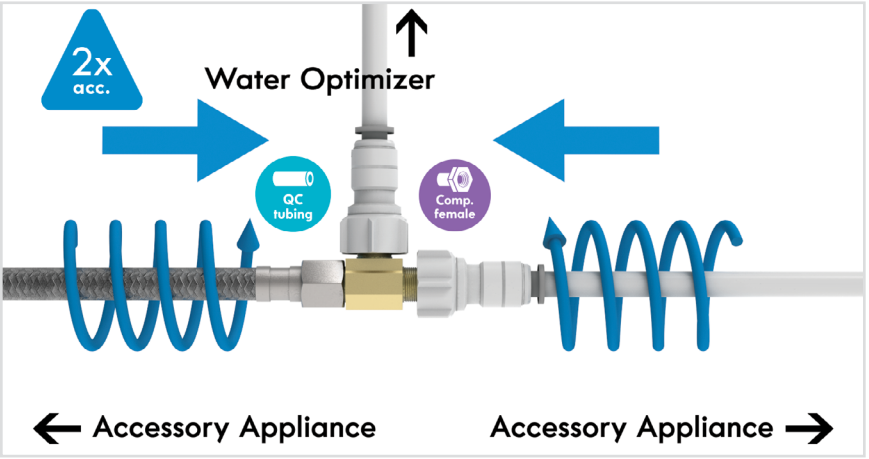


Diagram 2.6.5-A - Merging Connections to Brass Compression Tee For 2 Accessory Appliance Configuration

Installing Your Water Optimizer

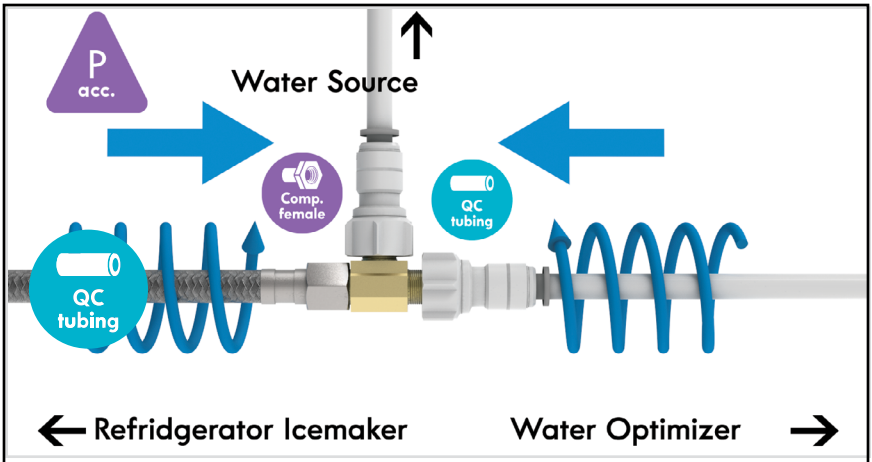


Diagram 2.6.5-B - Merging Connections to Brass Compression Tee For Parallel Configuration

Final Check

6. Your accessory appliances should be connected to E 1/4 in. Brass Compression Tee, and there should be a section of A 1/4 in. White PP Tubing running from there to where your Water Optimizer will be located, with C 1/4 in. Quick Connect Shutoff Valve attached to the other end.

   P acc. Also, for Parallel Configuration, the section of A 1/4 in. White PP Tubing running from your Water Source should have the Quick Connect Shutoff Valve removed from it, and be connected to the top port of the Brass Compression Tee.

   If all of the above is correct, you're ready to proceed to the next stage, "Connecting Water Optimizer" on page 2-43. If not, review the instructions and make any necessary corrections before proceeding. For 'visual' users, we've provided simplified reference diagrams to double check your work.

Installing Your Water Optimizer

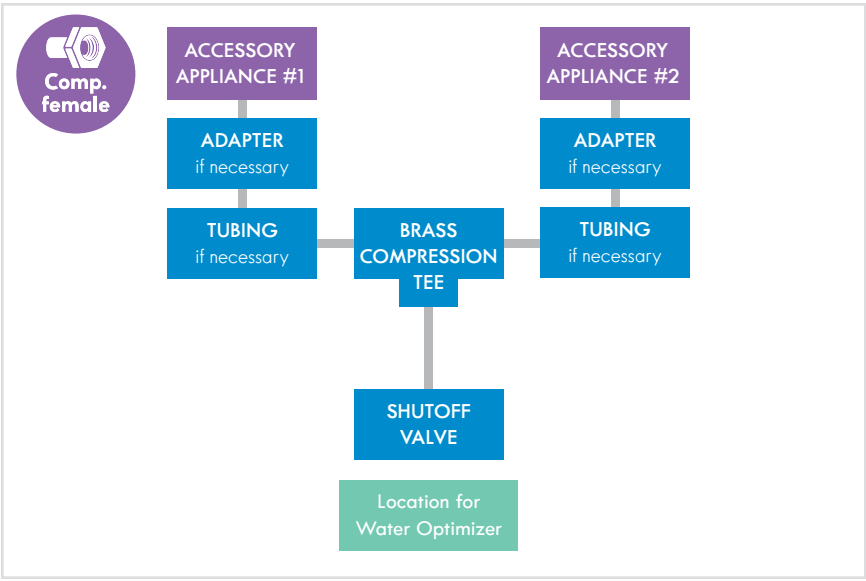


Diagram 2.6.6-A - Reference To Final Check For 2 Accessory Appliance Configuration

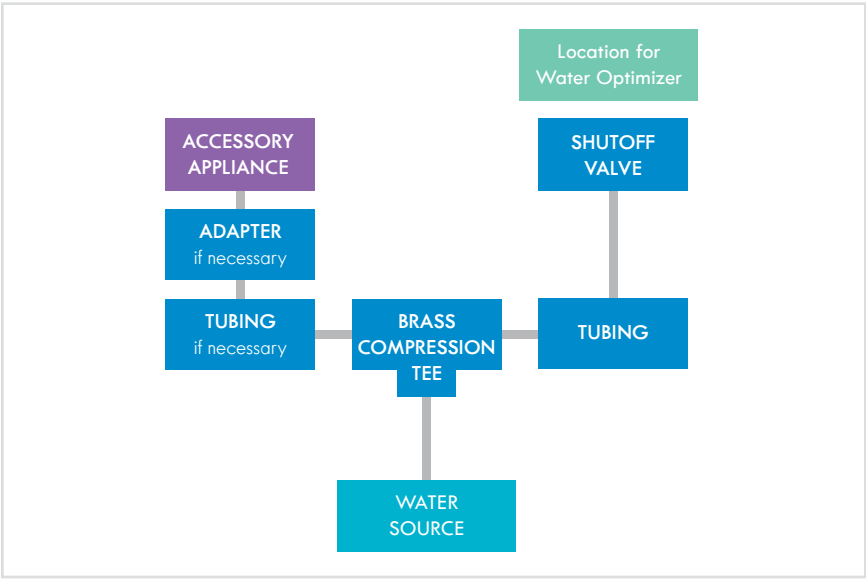


Diagram 2.6.6-B - Reference To Final Check For Parallel Configuration

Installing Your Water Optimizer

Connecting Water Optimizer

Congratulations! You are now close enough to the end that you should be able to taste it. This is the second easiest of the final stages.

You should either have one or two water lines that end in C 1/4 in. Quick Connect Shutoff Valve(s) running to where you plan on locating your new Water Optimizer. The first (or only) should be from your Water Source or E 1/4 in. Brass Compression Tee (for Parallel Configuration). We will refer to this line as your Source Line. The second (if applicable) should be from your Accessory Appliance, or 1/4 in. Brass Compression Tee if you have 2 Accessory Appliances. We will refer to this as your Accessory Line.

1. Move your new Water Optimizer to its final location. Do not plug the power cord in yet.

2. Cut final short section(s) of tubing from A 1/4 in. White PP Tubing to run from the C 1/4 in. Quick Connect Shutoff Valve(s) to your Water Optimizer's ports. Be sure to include enough additional length to allow you to pull your Optimizer away from the wall (for maintenance).

3. Now connect the section(s) of A 1/4 in. White PP Tubing to the open port(s) on the C 1/4 in. Quick Connect Shutoff Valve(s) of your Source Line and Accessory Line (if applicable). Use the standard quick connect method to attach them.

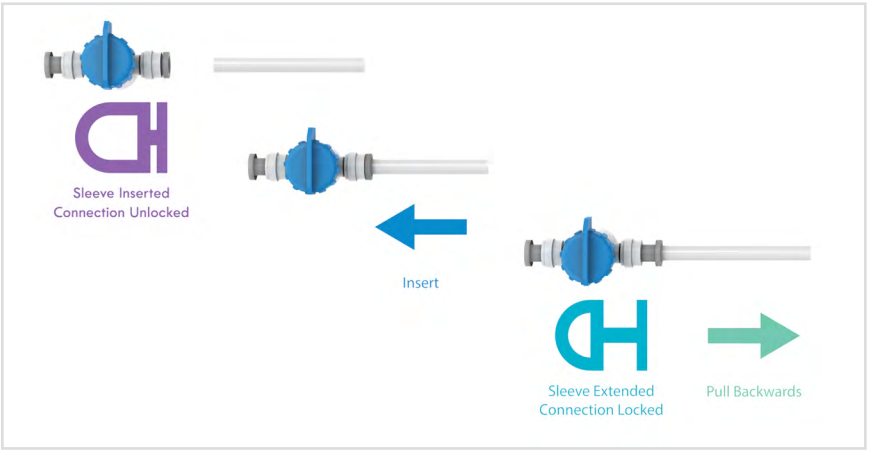


Diagram 2.7.3 Connect Tubing To Shutoff Valve

Installing Your Water Optimizer

4. Next, remove the Input Port Plug from Source Input Port (see "Diagram 2.7.5" on page 2-44), using the standard quick connect detach method, as shown below (but with appliance port and plug, rather than shutoff valve and tubing).

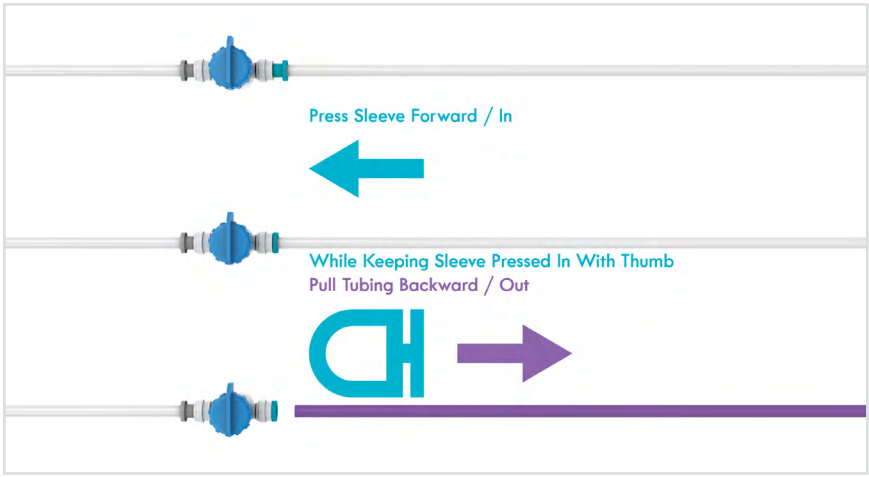


Diagram 2.7.4 - How To Detach Quick Connect Tubing

5. Connect the open end of the section of (A) 1/4 in. White PP Tubing connected to your water source to the Source Input Port on the back of your Optimizer, as shown.

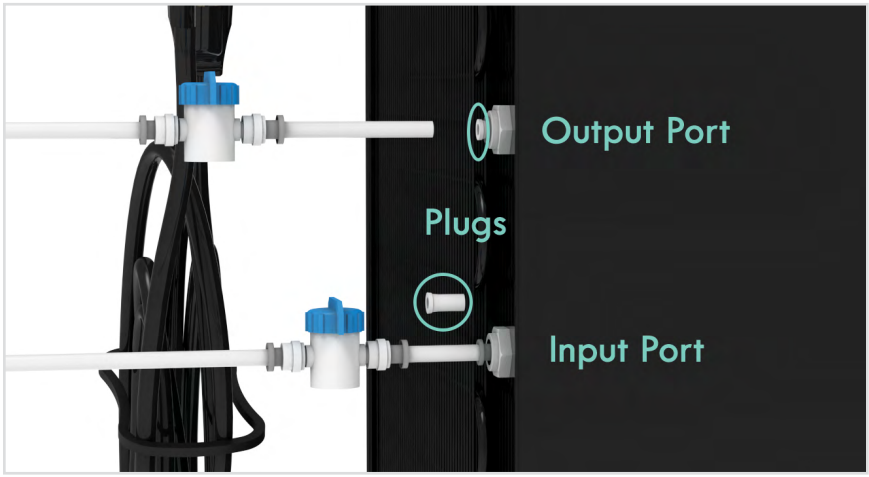


Diagram 2.7.5 - Connect Source Line To Source Input Port On Your Water Optimizer

Installing Your Water Optimizer

6. If you've connected accessory appliances, use the same method from Step #4 to remove Acc. Output Port Plug from Accessory Output Port on the back of your Water Optimizer. If you don't have any accessory appliances, proceed to "Installing Filters" on page 2-46.

7. Next, connect the open end of the section of A 1/4 in. White PP Tubing connected to your Accessory Line to the Accessory Output Port on the back of your Optimizer, the same way you did with the Source Line in Step #5.

8. Ensure both C 1/4 in. Quick Connect Shutoff Valve(s) are closed as shown below, then proceed to "Installing Filters" on page 2-46.

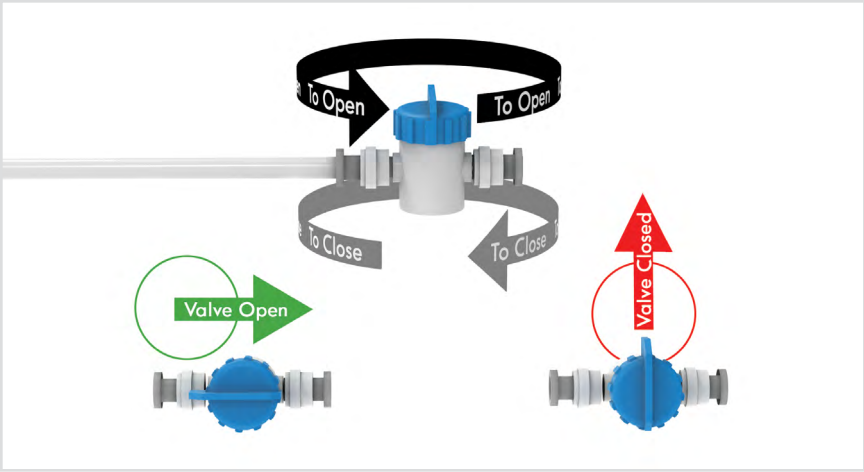


Diagram 2.7.8 - Ensure Valve Is Closed

Installing Your Water Optimizer

Installing Filters

Please note, ALL four filter slots must ALWAYS be filled prior to use. If one or more filter slots are empty, the appliance will not dispense, and leak water continuously until the leak sensor is triggered, or water flow is shut off.

1. Open the stainless steel cabinet door at the bottom of your Optimizer. Inside you will see 4 mounting brackets.

Diagram 2.8.1 - Open Cabinet To Reveal Filter Mounting Brackets In Water Optimizer

2. Grab the filters you flushed earlier (F2 REDOX & F4 Polishing) and the remaining two (F1 Particle & F3 ULTRA) from the packaging. Remove the bags and top caps from the latter two. Filters should be installed in the order shown and labeled.

Installing Your Water Optimizer

Diagram 2.8.2 - Filter Installation Order

3. To install, hold the F1 Particle Filter in your hand so that its name on the label is rotated roughly 90 degrees counterclockwise. This (or rotated 180 degrees further) is the direction each filter should be rotated before beginning to insert it into the mounting bracket.

Diagram 2.8.2 - Hold Filter Rotated 90 Degrees CCW

Installing Your Water Optimizer

4. Next, with your other hand, grab and pivot the first (far left) filter bracket up/back. Continue to hold and brace it for the next step.

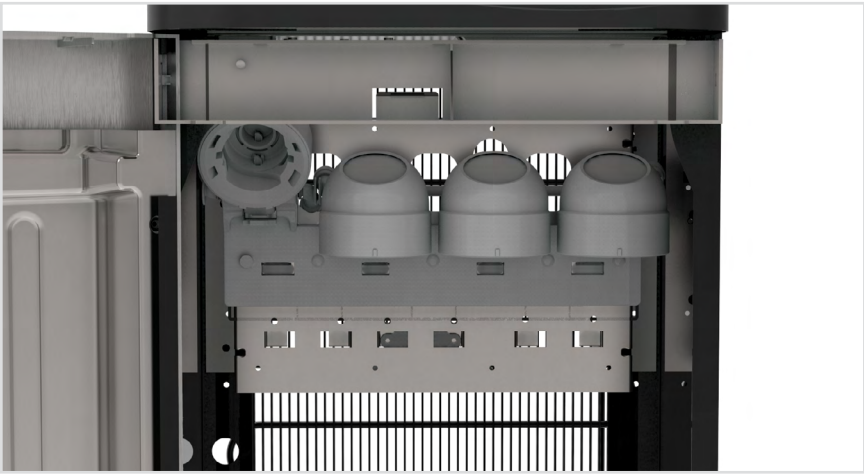


Diagram 2.8.3 - Pivot Filter Head

5. Now, insert the F1 Particle Filter up into the bracket while twisting clockwise 90 degrees, until you feel it lock into place.

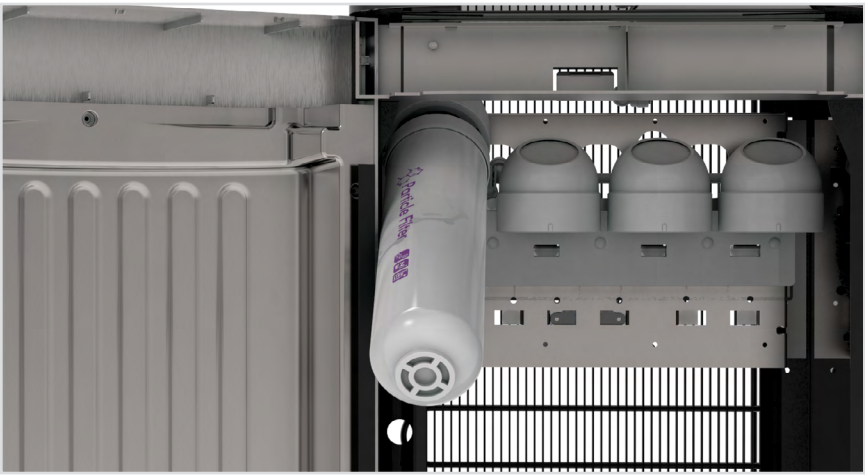


Diagram 2.8.5 - Insert Filter Into Mount

6. Release the filter and bracket, letting the latter pivot back down to its normal position.

Installing Your Water Optimizer

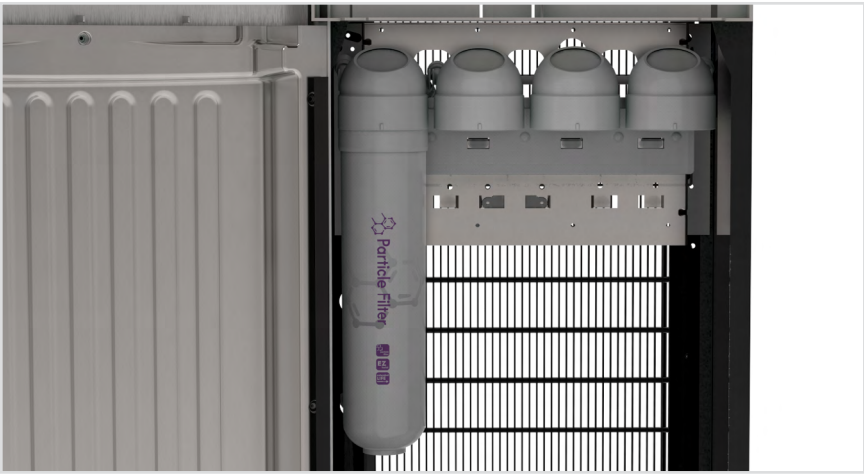


Diagram 2.8.6 - Release Filter To Pivot Back Into Place

7. Repeat Steps 3 - 6 again for each of the other three filters.

8. Now close the filter door cabinet, and proceed to "Enabling Water Flow" on page 2-49. You're almost finished!

Installing Your Water Optimizer

Enabling Water Flow

This is the second to last stage of installation. In this stage, we will enable water flow at each shutoff valve, one at a time to ensure there are no leaks.

1. If it's not already open, start by opening your Water Source Valve (the valve on your existing water source we first shut off).

2. If you're using a Sink Water Source, open the valve on F 3/8 in. Sink Adapter Valve (if you haven't already opened it). Confirm there are no leaks.

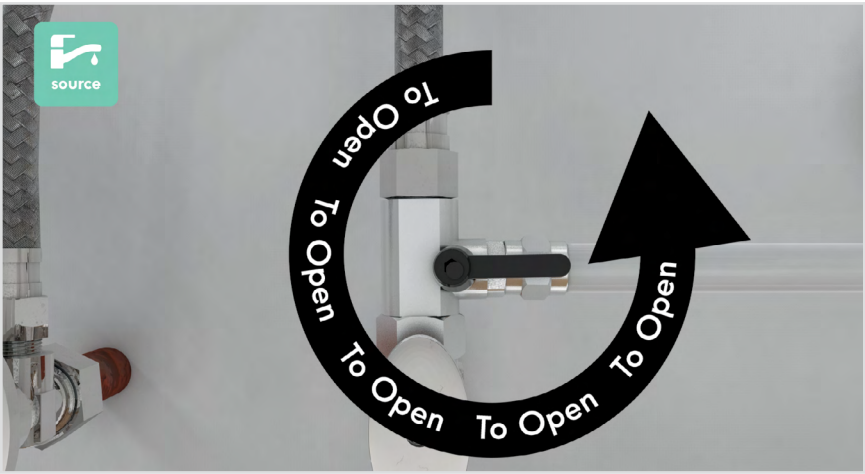


Diagram 2.8.2 - Open Sink Adapter Valve

3. Ensure nothing is leaking between the last applicable valve above, and the shutoff valve connected to your Source Line.

4. Now open the valve on the Quick Connect Shutoff Valve connected to your Source Line and Source Input Port on your Optimizer, as shown below.

Installing Your Water Optimizer

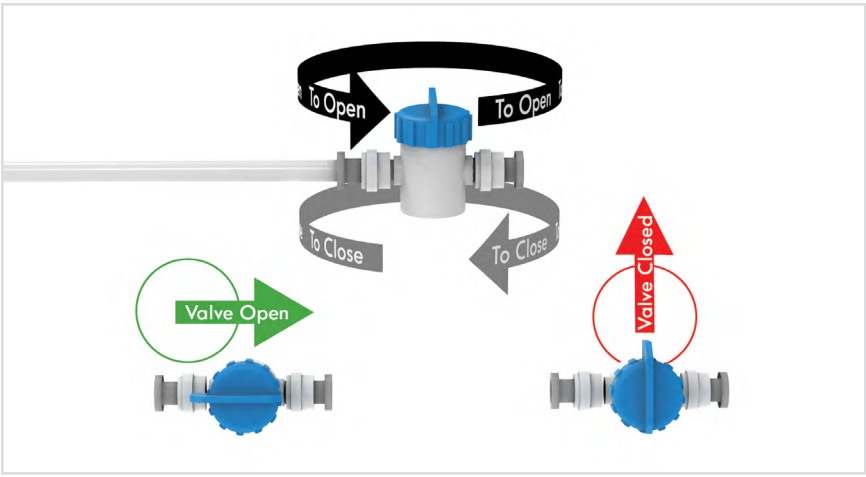


Diagram 2.8.4 - Open/Closed Shutoff Valve

5. You should hear water running and filling the Optimizer's tanks. Check for leaks, and wait until the sound of water running stops.

6. Once the Optimizer is filled, plug it in, but do not flip on the power switches yet.

7. We need to flush each temperature mode. Start by flushing the Ambient Mode into your large container for 30 seconds. Press the light blue Ambient Mode Button to begin dispensing.

8. Now, for the best experience, we recommend flushing the full tank capacity for both the Hot Mode and Cold Mode. For reference, the Hot Tank capacity is 0.26 gal (1 liter), and the Cold Tank capacity is 1.1 gal (4.16 liters). Flushing these modes can be accomplished by sliding the red Hot Mode Safety Switch to the left and then holding it there while pressing the Hot Mode Button to flush hot water.

9. Next, press the darker blue Cold Mode Button (on the right) to flush cold water..

10. If you haven't connected any accessory appliances to your new Water Optimizer, you are finished!!! You can now proceed to power on your Optimizer (see Use & Care Guide for instructions).

11. If you have connected accessory appliances, you can now open the C 1/4 in. Quick Connect Shutoff Valve(s) connected to your Accessory Line. Water should now start flowing into your accessory appliances. Check the lines, valve, and

appliances for leaks.

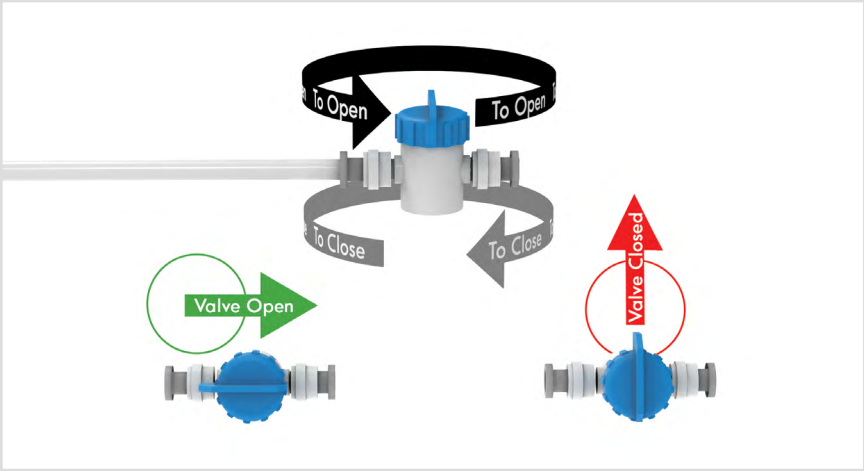


Diagram 2.8.11 - Open Shutoff Valve On Accessory Line

12. Once you here the water stop flowing, you can plug your accessory appliances back in and power them on. If possible, flush water through each for 1 minute.

13. Congratulations! You have reached the end. You may now proceed to power on your Optimizer (see Use & Care Guide for instructions).

Appendices

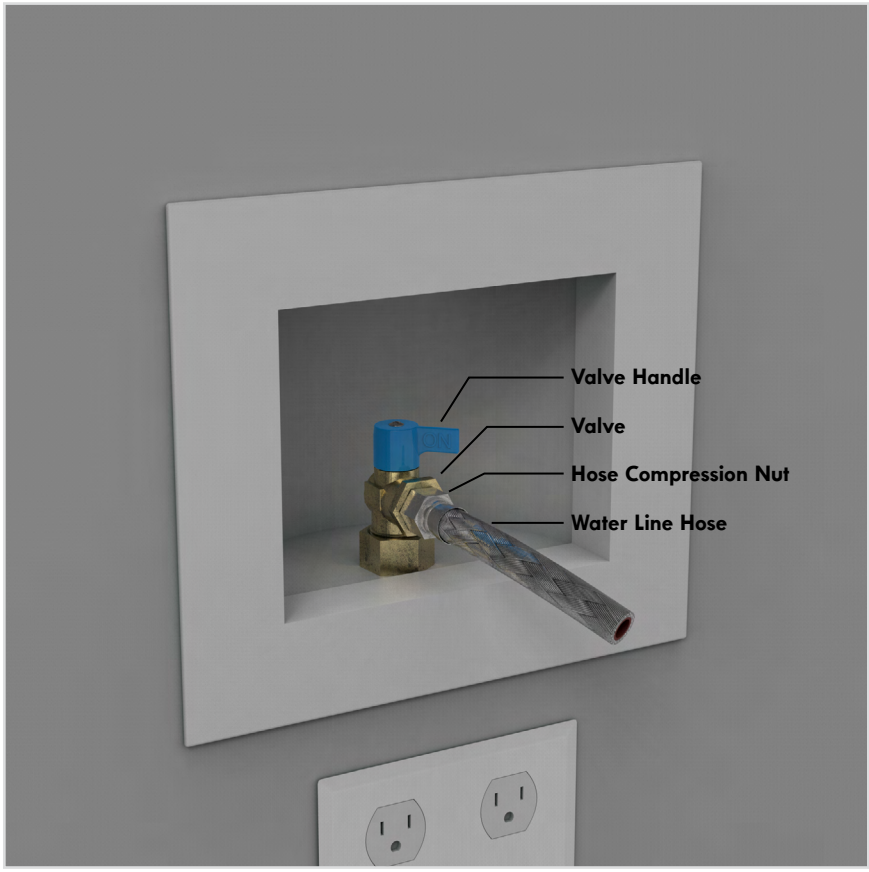
Appendix A - Water Sources

Accessory Water Line Source - Wall Mounted

Shutoff water by turning valve handle clockwise (usually 90 degrees).

Disconnect water line by unscrewing compression bolt counterclockwise.

Connect new water line with either...

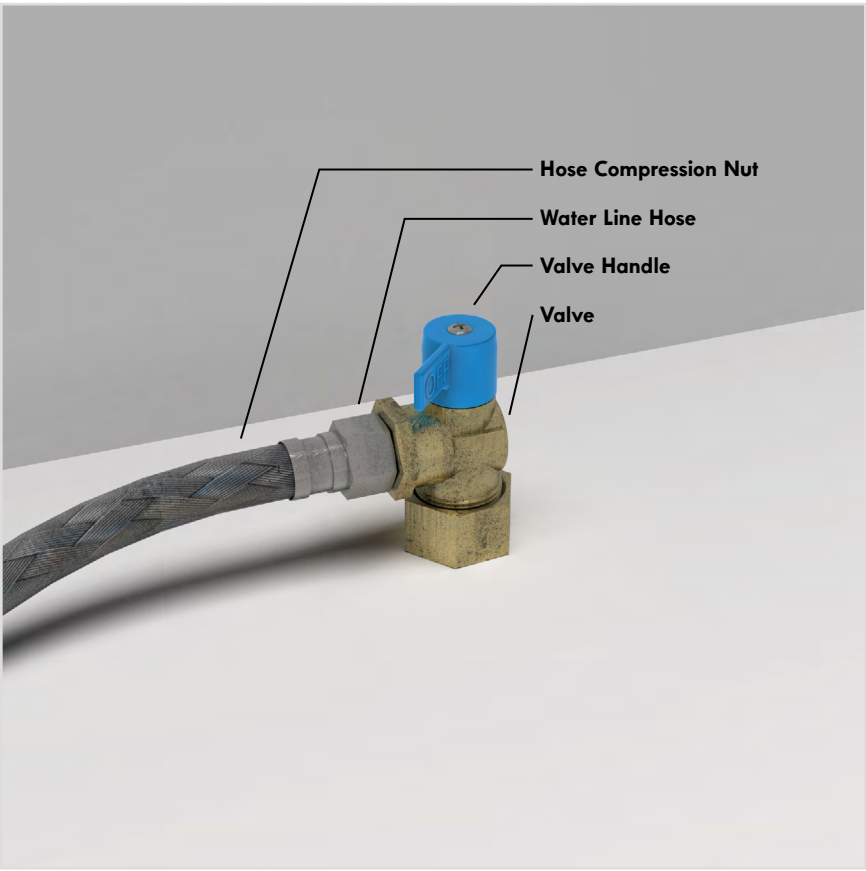


Accessory Water Line Source - Floor Mounted

1. Shutoff water by turning valve handle clockwise (usually 90 degrees).

2. Disconnect water line by unscrewing compression bolt counterclockwise.

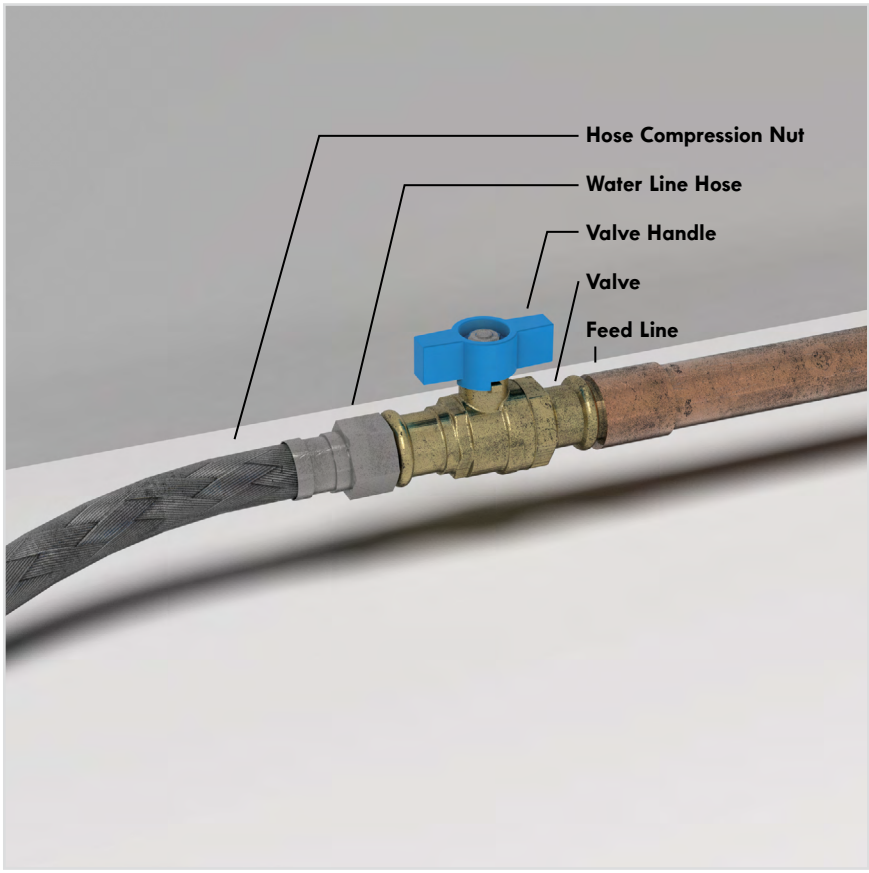
3. Connect new water line with either...



Accessory Water Line Source - Unmounted

1. Shutoff water by turning valve handle clockwise (usually 90 degrees).

2. Disconnect water line by unscrewing compression bolt counterclockwise.

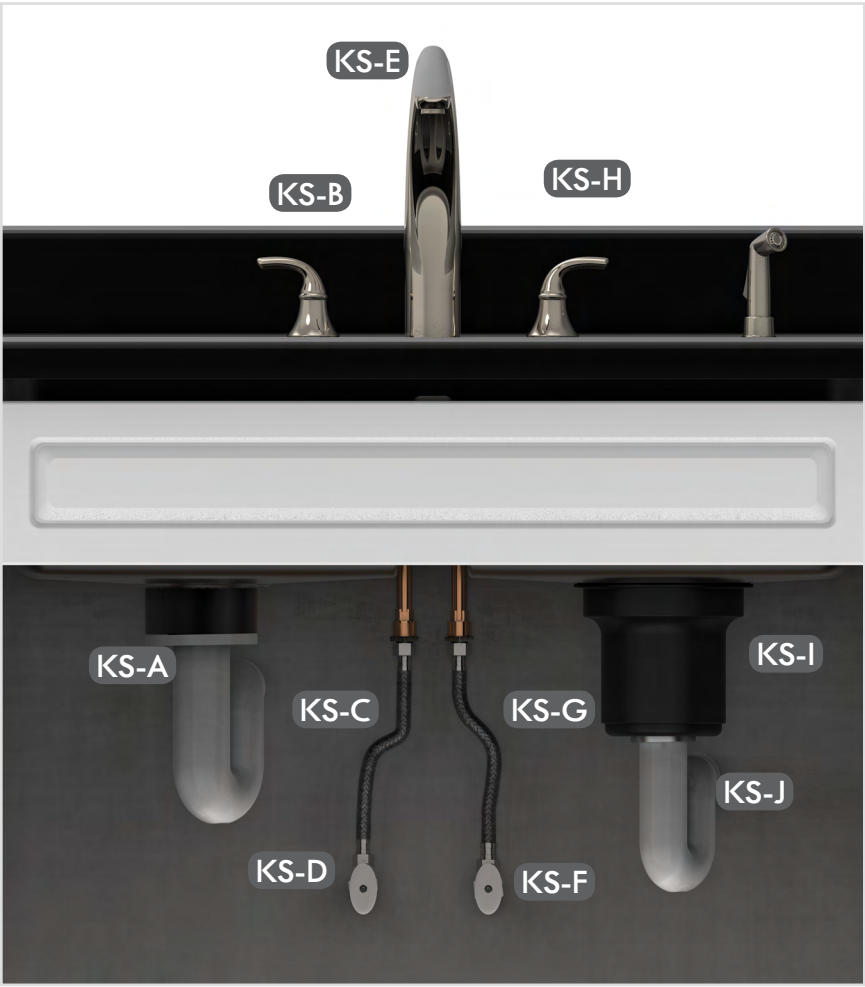


Appendices

Faucet Cold Water Line Source

1. Shutoff water by turning KS-F valve handle clockwise until it stops.

2. Disconnect water line by unscrewing the compression bolt on the end KS-G connected to KS-F counterclockwise.



KS-A: Left Drain

KS-B: Hot Faucet Handle

KS-C: Hot Water Feed Line

KS-D: Hot Water Shutoff Valve

KS-E: Faucet

KS-F: Cold Water Shutoff Valve

KS-G: Cold Water Feed Line

KS-H: Cold Faucet Handle

KS-I: Garbage Disposal

KS-J: Right Drain

Appendix B - Component Connections

¼ in. Compression Hose Types

¼ in. Compression (Plastic Tubing)

¼ in. Value Ice Maker Hose

¼ in. Premium Ice Maker Hose / Appliance Integrated Hose

Notes

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