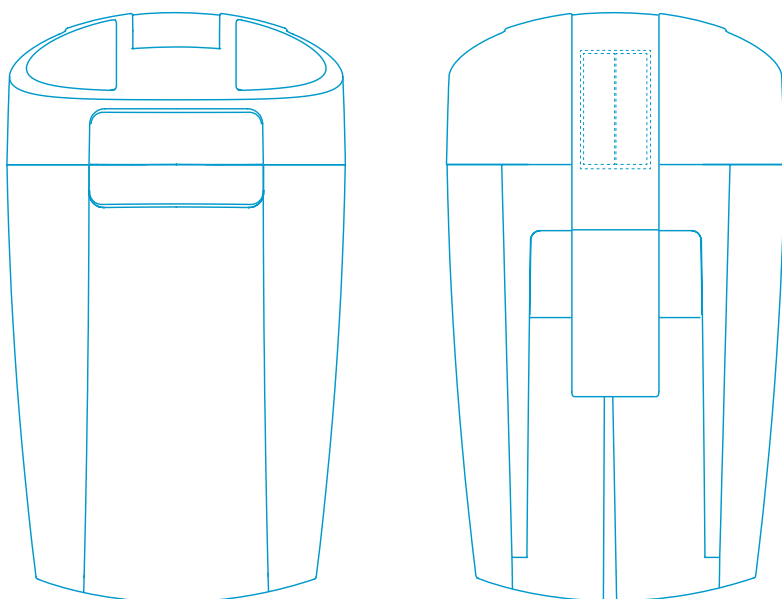


# AQUALUXE

## Installation Guide



### About the Aqualuxe Drinking Water System

- Multipure's Aqualuxe marks the next generation of water filtration. Innovation, inspiration, and intelligence combine to offer unprecedented levels of contaminant reduction and seamless integration with your home and lifestyle.
- The Aqualuxe can be installed for use on the counter, below the sink, or in-line.
- If installation or operation assistance is required, please contact your Multipure Independent Builder. If the Independent Builder is unavailable, please contact Multipure Customer Service at 1.800.622.9206.

## Before You Begin

Please read this manual before proceeding with the installation and use of your system. Installation, operation, and maintenance requirements are essential to the performance of your system – failure to follow any instructions or operating parameters contained herein may lead to product damage or product failure.

- Replacement filters (CBLX) can be purchased directly from Multipure. For the latest prices, please visit our website at [www.multipure.com/store/](http://www.multipure.com/store/).
- Check for compliance with any state or local laws and regulations before use.

# Installing Your System for Below-Sink Use

(Below-Sink Kit Required - AQLUXEB)

The Aqualuxe can be installed below the sink with a Below-Sink Kit. In this configuration, it connects to the cold water line below the sink, and provides filtered water through a specially designed faucet that installs directly on the sink.

## Below-Sink Kit

Included with the Below-Sink Kit are the following components:

1. **Adapta Valve:** Used to connect the Aqualuxe to the cold water line below the sink. The 3/8" clear tubing connects the Adapta Valve to the QuickSecure adapter's 3/8" inlet fitting.
2. **Faucet:** The Aqualuxe faucet installs on top of the sink or counter. The 1/4" blue tubing connects the faucet to the QuickSecure adapter's 1/4" outlet fitting.
3. **QuickSecure Adapter:** Used to connect the tubing to the Aqualuxe. Has a 3/8" inlet fitting and a 1/4" outlet fitting.

## Recommended Installation Tools

NOTE: Included with each install kit are the fixtures and accessories needed to install the system. If you determine that your particular plumbing configuration requires fixtures different from those included with your shipment, please contact Multipure's Customer Service Department at 800.622.9206, ext. 175.

The following tools are recommended to install your Aqualuxe for below-sink use:

1. Installing the faucet on a ceramic/porcelain sink:
  - 3/8" Reversible electric drill
  - 7/16" High speed steel drill bit
  - 1/2" Masonry drill bit
  - Hammer
  - Center punch
  - 8" Adjustable wrench
  - Pliers/locking pliers
2. Installing the faucet on a stainless steel sink:
  - Everything from list #1, plus 1/8" high speed drill bit
3. Installing the faucet on a granite countertop:
  - Hammer
  - Center punch
  - Plumbers putty
  - 1/2" Diamond drill bit for granite
4. Installing the Adapta Valve:
  - 8" Adjustable wrench
  - Wire cutter or knife

## Drill the Faucet Hole (if necessary)

The Aqualuxe faucet can be installed through a standard faucet hole or spray hose hole in your sink, if one is available. If no hole is available, use the following instructions to drill a faucet hole. If a faucet hole is already available, skip to section 1.4: Connect the Faucet. 1.

1. Select and mark the faucet mounting spot on the sink.
  - a. Confirm that there are no reinforcing ribs under the desired faucet location.
  - b. If you have an extra hole in your sink for a spray hose, you may also choose to disconnect the spray hose and use that existing hole for the Aqualuxe faucet.

2. Use the hammer to gently tap the center punch on the sink location where the hole is to be drilled. This creates an indentation to mark the drilling location.

3. If you have a porcelain, ceramic, or cast acrylic sink:

CAUTION: Porcelain, ceramic, and cast acrylic surface materials are extremely hard and can easily crack or chip. Use extreme caution when drilling. Multipure is not responsible for any damages resulting from faucet installation.

- a. Use the 1/2" carbide-tipped masonry drill bit to grind away a small section of sink veneer down to the metal, clearing enough space to allow drilling without damaging the rest of the sink surface veneer.
- b. Carefully use the 7/16" high-speed steel drill bit to completely drill a hole through the metal sink.

CAUTION: Do not allow the drill bit to "grab" the sink veneer, as this will damage the surface.

4. If you have a stainless steel or metal sink:

- a. Use the 1/8" high-speed drill bit to drill a pilot hole.
- b. Use the 7/16" high-speed drill bit to completely drill a hole through the metal sink.

5. If you have a granite countertop:

CAUTION: Granite surface materials are extremely hard and can easily crack or chip. Use extreme caution when drilling. Multipure is not responsible for any damages resulting from faucet installation.

- a. Place a towel or basin under the sink, directly under the location of the intended faucet hole.

- b. Using a snake of plumbers putty, form a circular “dam” around the location of the intended faucet hole. Make the dam 5" in diameter and 3/4" tall.
- c. Fill the dam with cool tap water. The water will keep the drill bit from overheating.
- d. Use the 1/2" granite drill bit to drill the hole. Slowly grind away the granite material.

## Connect the Faucet

NOTE: The 1/4" blue tubing comes attached to the faucet.

1. From the sink / countertop:
  - a. Place the larger soft black rubber washer over the faucet hole.
  - b. Place the cover plate on top of the large washer.
  - c. Place the smaller soft black rubber washer on top of the cover plate.
  - d. Place the faucet base over the smaller soft black rubber washer and atop the cover plate.
2. From under the sink:
  - a. Slide the hard plastic black washer (with the smaller side up) upward over all the tubing.
  - b. Slide the lock washer upward, below the hard plastic washer.
  - c. Slide the wing nut upward, below the lock washer.
  - d. Hand-tighten the wing nut to secure the faucet.
3. Insert the 1/4" blue tubing from the faucet into the 1/4" outlet fitting of the QuickSecure adapter.

## Connect to Water Source

If your residence has a cold water supply line with a 3/8" or 1/2" slip joint connection, you may use the Adapta Valve included with your system to connect your DWS to the plumbing. The Adapta Valve assembly (MC923LFASBL) includes both the valve and threading adapter.

When attaching the Adapta Valve to straight pipe threads, use Teflon tape on the threads. Wrap the tape around the pipe only once.

NOTE: The Adapta Valve must be installed on the cold water line only.

1. Using the 3/8" configuration:
  - a. The 3/8" configuration is used on a water supply line with a 3/8" slip joint.
  - b. The 3/8" configuration is typically installed at the bottom of the riser at the angle stop valve.
2. Using the 1/2" configuration:
  - a. The 1/2" configuration can be used at either the top of the riser at the faucet pipe or at the bottom of the riser at the angle stop valve.
  - b. Install the 1/2" configuration at the top of the riser on a water supply line that does not have a slip joint nut at the angle stop valve.
  - c. Install the 1/2" configuration at the angle stop valve if there is a 1/2" slip joint nut there.
3. Shut off the cold water supply to the faucet by rotating the angle stop valve clockwise until the water flow is off. Place a catch basin or other container below the faucet to catch any residual water in the pipes.
4. Disconnect the cold water riser/supply line at the angle stop valve or cold water faucet pipe. Use an 8" adjustable wrench to rotate the slip joint nut counterclockwise until the riser/supply line and slip joint nut detach from either the angle stop valve or the faucet pipe.
5. Connect the Adapta Valve to the pipe from which you removed the slip joint nut.
  - a. Align the Adapta Valve to either the angle stop valve or cold water faucet pipe, making sure that the rubber washer is in place in the Adapta Valve.
  - b. Use an 8" adjustable wrench to rotate the connection clockwise until tight. DO NOT OVERTIGHTEN.
6. Connect the cold water riser/supply line with the slip joint nut to the Adapta Valve.
  - a. Align the slip joint nut to the Adapta Valve.
  - b. Use an 8" adjustable wrench to rotate the slip joint nut clockwise until tight. DO NOT OVERTIGHTEN.
  - c. Make sure that the supply line does not block the shutoff valve on the side of the Adapta Valve. If necessary, trim the supply line before reconnecting.

7. Connect the Adapta Valve to the QuickSecure adapter.
  - a. Insert the clear plastic tubing fully into the opening of the shutoff valve on the side of the Adapta Valve.
  - b. When pushing the tubing into the opening, you will encounter some resistance. This does not mean that the tube is fully inserted. Continue to push firmly until the tubing is inserted as far as possible (roughly 5/8" into the adapter).  
NOTE: DO NOT cut or trim the plastic tubing. The length of the tubing is precisely calibrated for optimal performance of the system.
  - c. Insert the other end of the clear plastic tubing into the 3/8" inlet fitting of the QuickSecure adapter.
8. Confirm that the Unit Shutoff Valve attached to the Adapta Valve is in the OFF position by rotating the handle clockwise until it stops.
9. Proceed to section 3: Connect the Tubing to the Housing.

## Installing Your System for Countertop Use (Countertop Kit Required - AQLUXEC)

The Aqualuxe can be installed on the counter next to the sink with a Countertop Kit. In this configuration, it connects directly to the faucet with a dual-hose diverter valve that allows you to switch from filtered to unfiltered water with the push of a button.

### Countertop Kit

Included with the Countertop Kit are the following key components:

1. Diverter valve: Used to connect the dual-hose from the Aqualuxe to the existing sink faucet. The diverter valve comes pre-attached to the dual-hose, and allows selection of filtered or unfiltered water from the faucet.
2. QuickSecure adapter: Used to connect the dual-hose to the Aqualuxe.

## Connect the Diverter Valve

1. Remove the aerator or screen (if present) from the end of the faucet. If facing the open end of the spout, rotate the aerator counter-clockwise to loosen and remove.
2. Attach the diverter valve directly to the faucet spout. If the threads of the diverter valve do not match the threads of the faucet, use one of the included faucet adapters to connect the diverter valve and faucet. If facing the open end of the spout, rotate the diverter valve and/or adapter clockwise to tighten.

NOTE: When using a faucet adapter, the rubber washer in the adapter always faces up toward the faucet.

- a. **If Your Faucet Has an Outside Thread (male connector):**  
For many faucets with an outside thread, the diverter valve can attach directly to the faucet. If the diverter valve is too small to attach to the faucet, attach the inside thread (female connector) adapter, part# MC106, to the faucet, and then attach the diverter valve to the adapter.
- b. **If Your Faucet Has an Inside Thread (female connector):**  
The diverter valve cannot directly connect to a faucet with a female connector. Attach one of the outside thread (male connector) adapters, part# MC107 or part# MC108, to the faucet, and then attach the diverter valve to the adapter. MC107 is designed to fit larger faucets, and MC108 is designed to fit smaller faucets.
- c. **If Your Faucet Requires More Room for the Diverter Valve Connection:**  
Some faucets, particularly sprayer hose faucets, require additional room for the diverter valve connection. If this applies, attach the long adapter, part# MC257, to the opening of the faucet spout/sprayer, and then attach the diverter valve to the adapter. The DWS may need to be repositioned on the sink to allow enough room for sprayer faucet use.
- d. **If the Adapters Do Not Fit Your Faucet:**  
Although the adapters included with your DWS allow connections with many standard faucets, they do not cover every type of available faucet connection. If none of the adapters allow the diverter valve to connect to your faucet, please contact Multipure Customer Service at 1.800.622.9206, ext. 175, to request part# MC105, part# MC109, or part# MC719 as possible adapter solutions.



NOTE: When connected properly, the dual-hose from the diverter valve should lead toward the back of the faucet and sink.

3. The diverter valve features a bypass lever with a button on the left and right sides of the diverter valve. Press the left button to bypass the DWS and select the unfiltered water spout (larger opening). Turn on your faucet to let unfiltered water flow out of the diverter valve and to make sure that the diverter valve is properly connected.
4. Turn off the faucet.
5. Proceed to section 3: Connect the Tubing to the Housing.

## Connect the Tubing to the Housing

### QuickSecure Adapter

**IMPORTANT:** The QuickSecure adapter and tubing cannot be connected to the system housing when the rear locking panel is open. Make sure that the rear locking panel is fully closed before attempting to make the connection.

Familiarize yourself with the key elements of the QuickSecure adapter:

1. The QuickSecure adapter features two openings to connect to the Aqualuxe and two fittings to connect to the tubing.
2. Channel key: On one side of the adapter, between the two openings, is a small rectangular fin, known as the Aqualuxe channel key. The channel key denotes the top or "inside" facing of the adapter – the side of the adapter that faces the Aqualuxe upon connection.
3. QuickSecure lock: Built into the QuickSecure adapter is a spring-activated lock that prevents the adapter from being accidentally removed once it is connected. The QuickSecure lock can be opened with the release button.
4. Release button: With the channel key at the top of the adapter, there is a small button along the right side of the adapter, next to one of the openings. This is the QuickSecure release button, which can be pressed in to open the QuickSecure lock to connect and disconnect the adapter and the system housing.

## Connect the QuickSecure Adapter

1. Position the QuickSecure adapter so that the channel key is lined up with the QuickSecure channel on the back of the Aqualuxe.
2. Press in the QuickSecure release button to open the adapter, and then slide the adapter up the channel and onto the Aqualuxe connection ports. Once the adapter is connected, let go of the release button.
3. Push the adapter onto the connection port until you hear a click – that is the QuickSecure lock engaging. Gently pull down to ensure that it is securely locked into position. If the adapter pulls free, repeat from Step 1.
4. Proceed to section 5: Prepare Your System for Use.

NOTE: Make sure that the Aqualuxe is positioned upright and stable before operation.

## Regarding Inline Use

The Aqualuxe can be used inline for refrigerators, water coolers, or ice makers, so that all of the water from the cold water outlet or faucet is filtered. Multipure recommends that a professional plumber install the system for inline use.

NOTE: Although many parts of the installation kit will not be used with an inline connection, the QuickSecure adapter is still necessary to connect to the Aqualuxe.

## Prepare Your System for Use

1. Using a paper towel or cloth, dry off all connections and the system housing.
2. Make sure that all connections are tightly secured.
3. Remove any air and loose carbon from the system.
  - a. On a below-sink configuration:
    - i. Turn the water supply back on; rotate both the Adapta Valve shutoff valve and either the water supply Angle Stop Valve or water shutoff valve counter-clockwise to engage the flow of water through the pipes.

- ii. Turn the handle on the Aqualuxe faucet to start the flow of filtered water.
- iii. Allow water to flow through the Aqualuxe and the faucet for 30 minutes. This purges any air and loose carbon from the system.
- iv. Adjust the Angle Stop Valve or water shutoff valve so that the water flow to the drinking water faucet does not exceed the flow rate.

NOTE: It takes approximately 20 seconds to fill a quart at 0.75 gallons per minute flow rate.

b. On a countertop configuration:

- i. Press the right button on the diverter valve to select the filtered water spout. The water will flow through the DWS and emerge from the smaller opening on the diverter valve.
- ii. Allow water to flow through the DWS and filtered water spout for 30 minutes. This purges any air and loose carbon from the system.
- iii. Press the left button to select the unfiltered water spout, and then turn off the faucet.

4. Check all connections to make sure that there are no leaks.
5. Congratulations! Your system is now ready for use!



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