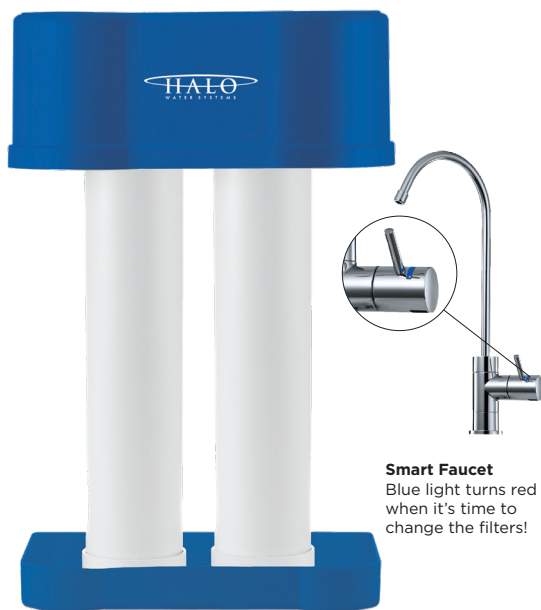


HALO  
**Hydro Point**



**Smart Faucet**

Blue light turns red  
when it's time to  
change the filters!





**UNDER COUNTER  
FILTRATION SYSTEM**



Scan code  
for more  
information

---

Initial inspection .....	3
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LEGEND	
	CAUTION/ WARNING
	EYEP PROTECTION
	ELECTRICALWARNING
	FRAGILE



**WARNING: READ ENTIRE MANUAL. FAILURE TO FOLLOW ALL GUIDES AND RULES COULD CAUSE PERSONAL INJURY OR PROPERTY DAMAGE.** Check with your state and/or local public works department for plumbing codes. You must follow their guides as you install the water filtration system.

**NOTE:** Failure to comply with these installation instructions will void the warranty.



**WARNING: DO NOT USE WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE OR OF UNKNOWN QUALITY WITHOUT ADEQUATE DISINFECTION.**

### TOOLS & MATERIALS NEEDED FOR NORMAL INSTALLATION:

- Cordless Drill
- Carbide grinding burr
- 1/4" (6 mm) drill bit
- 7/16" (11 mm) drill bit
- 1/2" (13 mm) and 5/8" (16 mm) open-end wrenches (or adjustables)
- Phillips screwdriver
- Flashlight or drop light
- Teflon tape
- Protective eye wear (i.e. goggles)

### WATER FILTRATION SYSTEM INCLUDES:

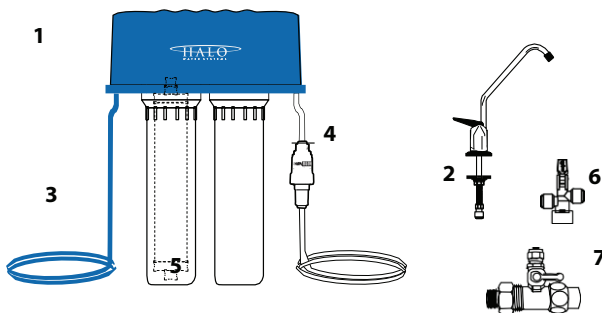
1. Filtration system
2. Smart Faucet - (with mounting hardware)

#### **PARTS (already pre-installed installed)**

3. Connection tubing
4. HALO system protection valve
5. Cartridges

#### **ACCESSORIES (included in installation)**

6. HALO leak detector
7. Angle stop valve adaptor





**WARNING!!** The following conditions for feed water supply must be met or warranty is void.

- Unit **MUST** be connected to a municipal or well water source that is treated and tested on a regular basis to insure water is microbiologically safe.
- Operating temperatures:  
Maximum: 100° F  
Minimum: 33° F
- Inlet Pressure **MUST NOT EXCEED 80 PSI**



**CAUTION!! DO NOT ALLOW SYSTEM TO FREEZE.** The membrane always contains water and will be destroyed if frozen.



**WARNING!! DO NOT PLUMB SYSTEM TO HOT WATER.** This may damage the cartridges and void the Warranty and manufacturer's responsibility.

- Operating temperatures:  
Maximum: 80 PSI  
Minimum: 40 PSI

A pressure regulator **MUST** be installed on the feed water source, which reduces the water pressure coming into the system.

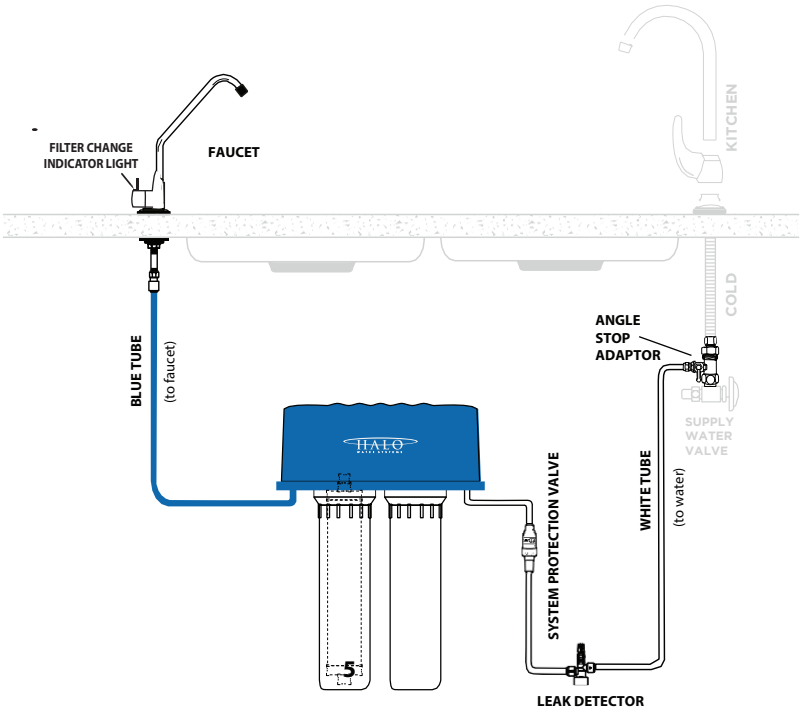


**WARNING!! Warranty voided and manufacturer assumes no responsibility for damage to system or property if pressure exceeds 80 PSI.**

- |                    |          |
|--------------------|----------|
| • Hydrogen sulfide | 0.00 ppm |
| • Manganese:       | .05 ppm  |
| • Chlorine:        | 1 ppm    |
| • pH:              | 4 -11    |
| • Turbidity:       | <5 NTU   |

*RECOMMENDATION: If your water hardness exceeds 7 grains per gallon, or 120 PPM you may wish to purchase a water softener or scale prevention system.*

- 8. Recommended total dissolved solids (TDS) does not exceed 1,000**
-



NOTE: The water filtration system may be mounted to the side of the sink cabinet or set on the floor of the sink cabinet near the faucet tube to maximize flow rate.



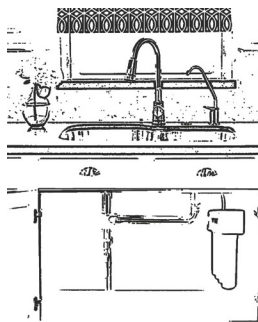
**CAUTION!! DO NOT USE WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE or of unknown quality.**



**IMPORTANT!! PLEASE READ, FOLLOW AND SAVE THIS INSTRUCTION**

## 1. PRE-INSTALLATION PROCEDURE

1. The water filtration system may be mounted to the side of the sink cabinet or set on the floor of the sink cabinet. It must be positioned to allow access for service and filter changes. The assembly should be relatively near the faucet to maximize flow rate. (See DIAGRAM A for a positioning example.)
2. The faucet should be positioned to allow a free flow pattern into the sink. It must be positioned to allow ready access to the mounting hardware under the sink. (See DIAGRAM A for a positioning example.)



**DIAGRAM A**

## 2. FAUCET INSTALLATION



**CAUTION!!** Extreme care must be taken in drilling the hole for the sink-top faucet. The surface material of most sinks is extremely brittle and can easily be chipped or cracked. If you are uncomfortable performing the following procedure it is recommended that your local distributor or experienced contractor be consulted for techniques, installation or other assistance. The system's manufacturer accepts no responsibility for sink damage resulting from system's installation. **EXTREME CAUTION SHOULD BE TAKEN WITH GRANITE, MARBLE AND LIKE MATERIAL.**



**CAUTION!!** Before grinding or drilling put appropriate eye protection (i.e. goggles) to protect yourself from porcelain or metal chips.



**CAUTION!!** To avoid damaging the sink, consult a qualified contractor or installer for drilling procedures. Special drill bits may be needed for porcelain or stainless steel.



**WARNING:** Many homes are electrically grounded through the plumbing. To protect yourself from serious injury or fatal shock, use a battery powered hand drill.

1. **BEFORE DRILLING:** Check under the sink in the area that you plan to install the faucet and make sure that there is a flat surface to secure the mounting hardware. A flat space of approximately 2 inches in diameter is needed.

*RECOMMENDATION: Before drilling or grinding mask off the immediate area surrounding the grinding/drilling location preferably with duct tape or if duct tape is unavailable masking tape may be used. This procedure should help prevent scratching of the sink surface.*

1. REMOVE EVERYTHING FROM INSIDE THE SINK AND SURROUNDING AREA. Place paper towels in the sink to catch the shavings from the grinding and drilling.
2. Using a cordless drill with a carbide grinding burr, gently grind away enough porcelain or enamel to more than accommodate the 7/16" (11 mm) drill bit. Approximately the size of a dime. Enough surface material must be removed to expose the base metal.



**CAUTION!! Porcelain or enamel must be completely removed in the drilling area to prevent immediate dulling of drill bit.**

3. Remove everything from under the sink.
4. Place newspaper or paper towels directly under drilling location in order to catch the drill shavings.
5. Using the 1/4" (6 mm) drill bit, and drill a centering or pilot hole in the center of the desired faucet location.

NOTE: this centering/pilot hole will make it easier for the 7/16" (11 mm) drill bit to cut through the sink. Operate the drill slowly and carefully— Especially when the drill bit is about to penetrate the metal. Otherwise, damage to sink may occur. Use lubricating oil to keep the drill bit cool while drilling.

6. Discard paper towels and newspaper used in sink and below sink. Be very careful not to drop any shavings in sink or on the floor as they will oxidize and stain surfaces very quickly.

*HELPFUL HINT: If you notice any rust spots from dropped shavings you should be able to get rid of them by scrubbing them with a cleaning chemical.*

7. Cover the drilled hole with your finger **BE VERY CAREFUL NOT TO CUT YOURSELF ON SHARP EDGES!** Rinse sink then scrub with cleaner to prevent any rusting from shavings and to prepare for faucet installation. Plug hole again while rinsing off cleaner. Hole must be plugged in order to avoid water dripping below into sink cabinet, which may cause damage.

**For steps 10-13 refer to DIAGRAM B on page 8.**

8. Slip the small, thin rubber gasket over the faucet shank. Next slip the chrome trim plate (escutcheon plate) over the faucet shank. Finally, slip the large, thin rubber gasket over the faucet shank.
9. Place the faucet shank complete with only hardware installed in step 11 though the drilled hole.
10. From under the sink slip the large, black plastic, locating washer over the faucet shank. Next, slip the lock washer over the faucet shank followed by the thin chrome nut.
11. While holding the faucet assembly above the sink tighten the chrome nut below the sink with an adjustable wrench. Tighten the chrome nut until the faucet assembly does not move.

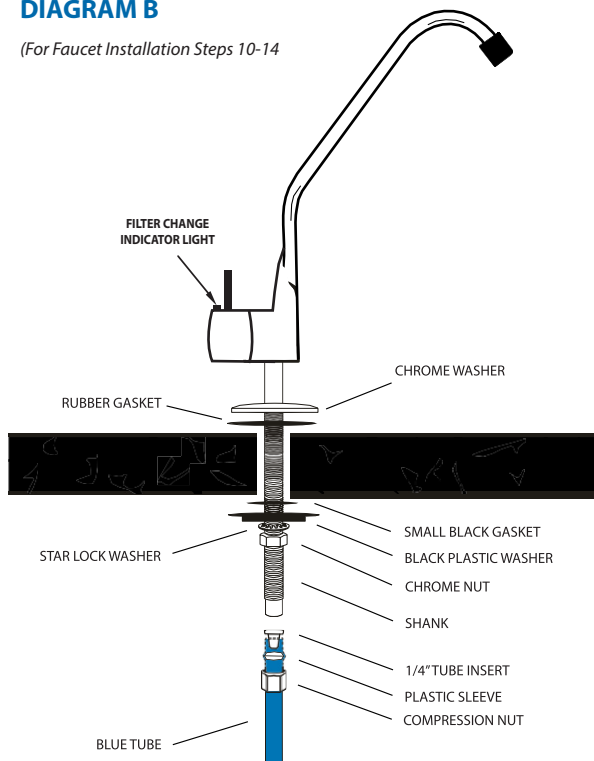


**CAUTION!! DO NOT OVER TIGHTEN THE CHROME NUT. Over tightening can cause damage to the sink or faucet assembly.**

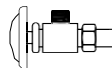
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## DIAGRAM B

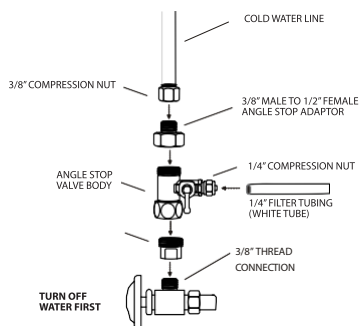
(For Faucet Installation Steps 10-14)



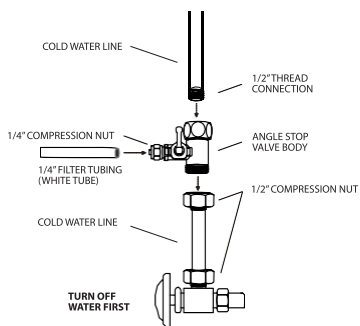
## DIAGRAM C



## DIAGRAM D



## DIAGRAM E





### 3. INSTALLATION OF ANGLE STOP VALVE ADAPTOR



**CAUTION!! For your safety and protection, do not use where water is microbiologically unsafe or of unknown quality. The water supply to your system **MUST** be from the COLD WATER LINE! Hot water will severely damage your filtration system.**

1. Turn off cold water supply to the sink using the supply valve located under the sink.

*NOTE: In some cases the supply valve may leak or may not work at all. If this happens turn off the water at the main water shut off for the entire house. In extreme cases the house shut off valve does not work. If this happens shut the water off at the street and replace the defective valves immediately. Locate the type of shut off valve you have under your sink and follow that step for connecting the feed water.*

2. On some shut off valves you can install the angle stop adaptor directly to the valve. Tighten angle stop adaptor to the valve with an adjustable wrench. Tighten until snug.  
**DO NOT OVER TIGHTEN!**
3. Screw the two supplied 1/2" adaptors onto the fitting coming from the cold water side of the sink faucet. Hand tighten the angle stop adaptor to the cold water line. Take extreme care not to twist or damage the connection to the cold water connection.



**CAUTION!! Tightening the connector improperly to the faucet could cause irreparable damage to the faucet.**

4. Connect the riser from the water shut off valve to the angle stop adaptor. Ensure that the cone washer on the riser tube is in good condition. Connect the riser to the angle stop adaptor.  
**DO NOT OVER TIGHTEN!** This can cause damage to the riser connection.
  5. Insert the 1/4" white tube into angle stop adaptor and then into the HALO leak detector provided. (If not already inserted into the HALO leak detector)
-

## 4. WATER FILTRATION SYSTEM PLACEMENT AND MOUNTING



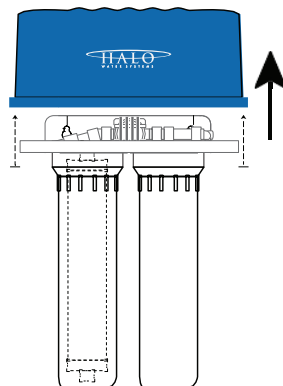
1. Determine if mounting of the water filtration system is necessary or desired. The system does not need to be mounted on the wall of the cabinet if there is room for it to sit on the floor. However, if it is mounted to the side of the cabinet it is easier to change the filters and does not take up floor space.

**IMPORTANT!! Be very careful not to kink any of the tubing on the water filtration system. If tubing is kinked the tubing can rupture and leak.**

2. Position the system on the wall at the desired mounting location 2 - 3 inches from base of cabinet. Using the bracket holes on the back of the bracket, mark on the wall with a pencil where the screws need to be inserted. Set the system aside. Screw the two (2) Phillip head screws (supplied in the installation packet) into the wall at the marked positions.

*NOTE: Let the screw heads protrude from the wall enough to hang the filtration system safely.*

3. Mount the water filtration system onto the screws.



## 5. TUBING CONNECTIONS

 **IMPORTANT!!** Be very careful not to kink any of the tubing on the water filtration system. If tubing is kinked the tubing can rupture and leak.

### CONNECTING THE FEED WATER:

1. Locate the cold water angle stop, turn off cold water and open cold faucet line to depressurize.
2. Once depressurized remove 3/8" line from your "COLD" water angle stop, screw the angle stop valve adaptor onto the 3/8" angle stop hand tight. Replace 3/8" line from above onto the angle stop valve adaptor male side and tighten accordingly.
3. Insert one end of the extra piece of white tubing into the inlet of the angle stop valve adaptor.
4. From the inlet of the angle stop valve adaptor connect the white tubing to the HALO leak detector system protection valve and ensure the flow arrow is in the correct direction towards the unit.

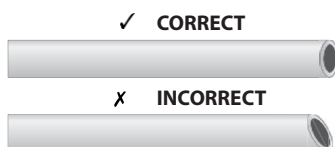
### Follow steps 6 and 7 if not already Pre-installed:

1. From the outlet of the HALO leak detector connect one side of the white tubing to the port marked "In" on the leak control valve.
2. From the "out" port on the HALO leak detector connect the white tubing to the filtration system marked "In".

## HOW TO MAKE QUICK CONNECT FITTINGS CONNECTIONS

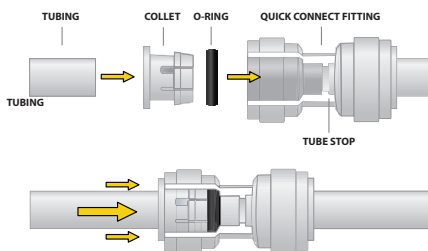
### 1. CUT THE TUBING

Cut the tube cleanly and squarely. Ensure that the tube has a smooth outside diameter without any burrs, chamfers or score marks prior to inserting it into the fitting. Tubing that has not been cut properly can cause drips and leaks.



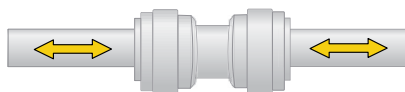
### 2. INSERT TUBING

Push the tubing through the collet and o-rings until it bottoms out against the tube stop. The collet holds the tube in place and the o-ring provides a leak resistant seal. If you need to remove the tubing always re-cut before connecting tubing again. Scores on tubing can cause failure.



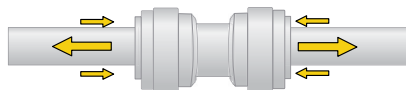
### 3. INSPECT AND TEST

Push and pull the tubing toward and away from the fitting to ensure that it has been installed properly. Test and inspect the installation for any leaks.



### 4. TUBE REMOVAL

Relieve pressure from the tubing and fitting. Push the collet flange against the fitting body while pulling the tubing away from the fitting to release it.



**CAUTION!! IT IS RECOMMENDED THAT TUBING AND QUICK CONNECTION FITTINGS INSTALLATIONS ARE INSPECTED A MINIMUM OF ONCE PER YEAR.**

### 6. SYSTEM START UP

1. With all connections complete, turn on the cold water supply to the filtration system.
2. Immediately check entire filtration system for leaks. If you notice any leaks turn off cold water supply and fix the leak.

### 7. FLUSHING THE FILTRATION SYSTEM

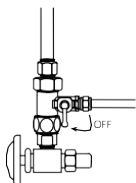
1. Open faucet and let water run for approximately 2 minutes. You will see black fines flow from the faucet. This is normal. Once water runs clear system is ready for service.



**WARNING!!** Disregard all unused parts and packaging material after installation. Small parts remaining after the installation could be a choking hazard.

## 9. FILTER REPLACEMENT INSTRUCTIONS **Change filters annually**

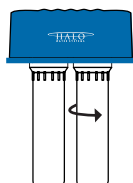
### STEP 1



#### TURN OFF WATER

Shut-off the water supply.  
Open the faucet and let water run approx.  
1-2 minutes to depressurize the system.

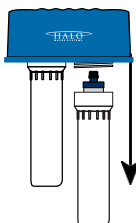
### STEP 2



#### UNSCREW CARTRIDGE

Unscrew counter clockwise to open.

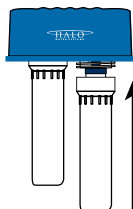
### STEP 3



#### REMOVE THE CARTRIDGE

Unscrew and lower to  
reveal filter. Pull filter  
down and remove

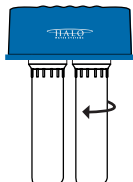
### STEP 4



#### REPLACE CARTRIDGE

Place new cartridge making sure  
o-ring seals are on top.

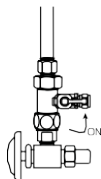
### STEP 5



#### TIGHTEN CARTRIDGE

Hand tighten clockwise  
until snug connection is made.  
**DO NOT OVER TIGHTEN!**

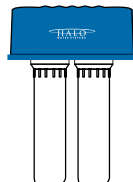
### STEP 6



#### TURN WATER ON

Turn on the water supply.

### STEP 7



#### PURGE THE SYSTEM

Open faucet and let water run for  
approximately 2 minutes. You will  
see black fines flow from the faucet.  
This is normal. Once water runs clear  
system is ready for service.

It is recommended to replace the under counter filtration system every 10years.

## INSTALLATION INSTRUCTION

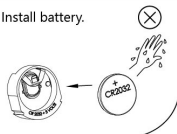
### Important Notice Of Routine Maintenance And Care

- Occasional cleaning of aerator is recommended.
- Use of soapy water and a soft sponge or cloth is recommended.
- Avoid cleaning with chemicals, solvents, or harsh detergents. (THIS MAY SERIOUSLY HARM SURFACE AREA)
- If used with hard water or water with very high mineral content, it is absolutely necessary to clean and dry the faucet immediately after every use. (CALCIUM AND OTHER MINERALS COULD SERIOUSLY DAMAGE SURFACE AREA)
- Please wipe the canopy and keep your hands dry before installing or replacing the battery of the LED to prevent the LED circuit board from water or moisture damage.
- When installing with filtration system with carbon filters or changing carbon filters, it's suggested to flush the filtered tubes from the system before connecting with the faucet to prevent possible carbon dust contamination into faucet cartridge to cause leaking.



### Battery Installation Steps

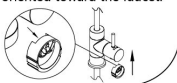
#### 1 Install battery.



#### 2 Reset: When installing or replacing battery, it will flash red light and follow by the blue light.



#### 3 Install into faucet canopy. The slotted end must be oriented toward the faucet.

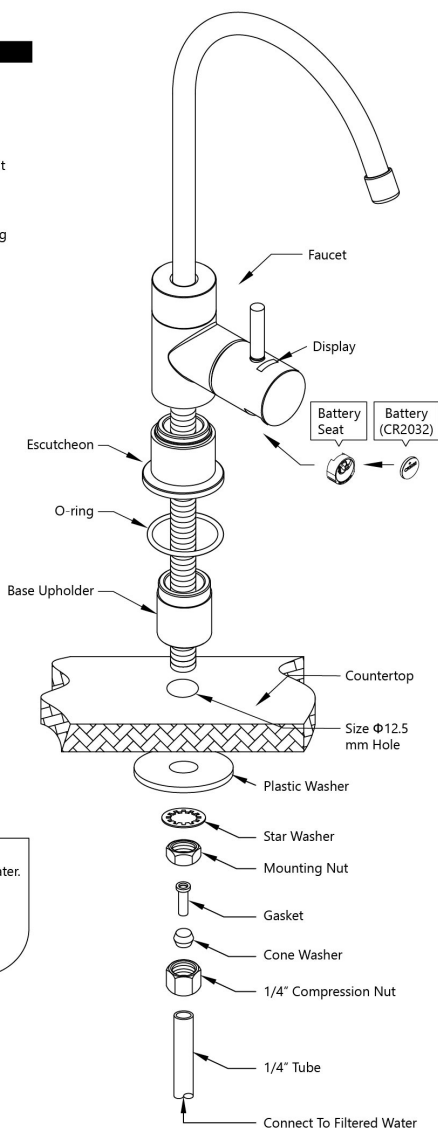


#### 4 Blue light will flash when turning on the filtered water.



### LED Indicator

1. Blue light will flash at operation after the battery is installed. It will flash red light when it has been activated over 12 months.
2. When it flashes red light, please change your filter and battery at the same time.
3. The LED timer will start to count once the handle is fully open.



## TROUBLE SHOOTING

### NOT ENOUGH WATER

POSSIBLE	CAUSE / SOLUTION
Angle stop valve is plugged or closed.	Open valve or unclog.
Sediment/carbon filter is clogged.	Replace Filters.
Low incoming water.	Incoming water pressure must be above 40 PSI. Install a booster pump.

### LOW WATER PRESSURE FROM DISPENSING FAUCET

POSSIBLE	CAUSE / SOLUTION
Filters are clogged.	Replace filters.
The faucet is out of adjustment or faulty.	Repair or replace faucet.

### TASTES AND ODORS IN PRODUCT WATER

POSSIBLE	CAUSE / SOLUTION
Filters are exhausted.	Replace filters
Dissolved gases in feed water.	Pre-treat feed water to remove gases.

### FAUCET LEAKS OR DRIPS

POSSIBLE	CAUSE / SOLUTION
Water leaks from faucet spout.	Adjust faucet by turning the tee bar located under the handle to provide a small amount of free play in the handle when shut off. Should this not work, repair or replace the faucet.
Leaks from beneath the handle.	Repair or replace faucet.

### NO WATER

POSSIBLE	CAUSE / SOLUTION
Water is shut off at stop valve.	Open main stop valve.



[illegible]

## LIABILITY & WARRANTY

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# REGISTER YOUR WARRANTY

<https://halowater.com/activate-warranty/>

OR

SCAN CODE BELOW





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