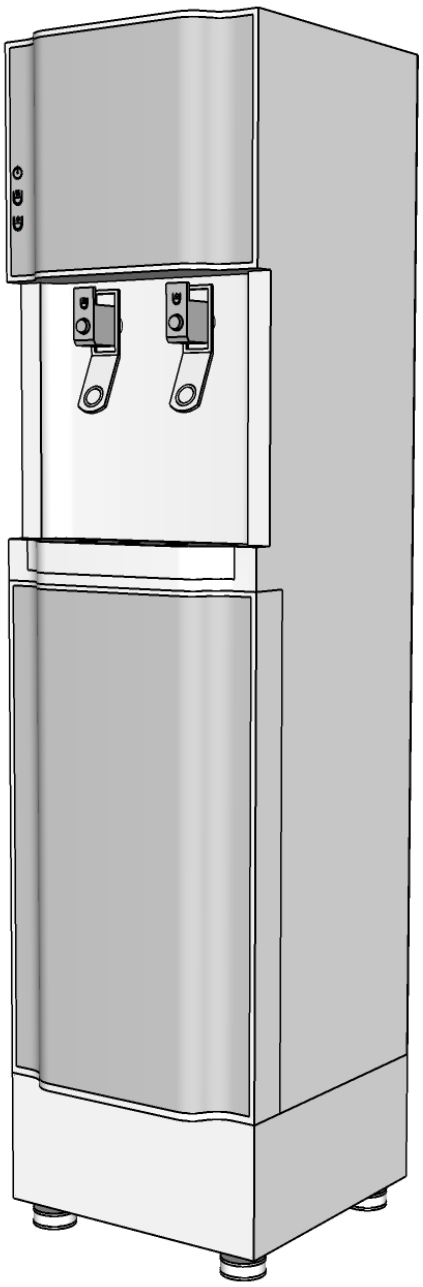
Bio-Quantum Water Station

Owners Manual and Installation Guide



OPHORA®
WATER TECHNOLOGIES

+1 (866) 928-7247
www.ophorawater.com

Table of Contents

GENERAL
Water Stations require 1/2" clearance from walls and/or structures and are intended for indoor use only.

CERTIFICATIONS/STANDARDS
NSF/ANSI 42, 53, 55 & 58
NSF/ANSI 42: ensures that chlorine, taste, odor, and particulates are filtered out.
NSF/ANSI 53: ensures health-related contaminants are filtered out.
NSF/ANSI 55: designed to disinfect and/or remove microorganisms, including bacteria and viruses, from contaminated water to a safe level.
NSF/ANSI 58: ensures fluoride, chromium, nitrates, and TDS are reduced.
ADA COMPLIANCE Ophora Water Stations comply with ADA reach requirements with a maximum reach of 48".

FEED WATER
Water Stations have been designed and built to purify municipal tap water most efficiently at 60/65 psi. Water Stations are designed to operate on 40 psi to 100 psi supply line pressure. Any damage caused by reason of connecting this product to supply line pressure lower than 40 psi or higher than 85 psi is not covered under Ophora's warranty. Water Stations are designed to operate in ambient temperatures 40˚F~104˚F (ambient temperatures less than 35˚F or greater than 100˚F can result in damage to the carbon and Reversed Osmosis filters). Water Stations should be placed indoors if ambient temperatures ever drop below 32˚F. Any damage caused by exposure to ambient temperatures below 32˚F is not covered under Ophora's service policy. Operate only in non condensing humidity. Water Stations are prepped with a 1/4" John Guest quick-connect fittings located in rear of unit and require a 1/4" waterline. A water shut-off valve located behind unit is recommended.

DRAIN WATER
Reversed Osmosis: Water Stations require a drain. Water Stations are prepped with a 1/4"John Guest quick-connect fitting located in rear of unit and require 1/4" drain line. Depending on local plumbing codes, Ophora may install an FDA and NSF certified check valve/back-flow preventer on the drain line. Drain lines can be run up to 10' vertically and 100' horizontally with system pressure.

PURIFICATION
Refill Stations use a multiple purification systems, including: a sedi-carbon filter, coconut carbon filter, reversed osmosis or UF filter, mineral and alkaline filter, and ozone injection. This purification system has been designed to handle hard water, but may require more regular reverse osmosis or UF filter changes.

CHILLING SYSTEM
Cold Tank: 3 gallon
Cooling: 3 gal/hour 37-50˚F

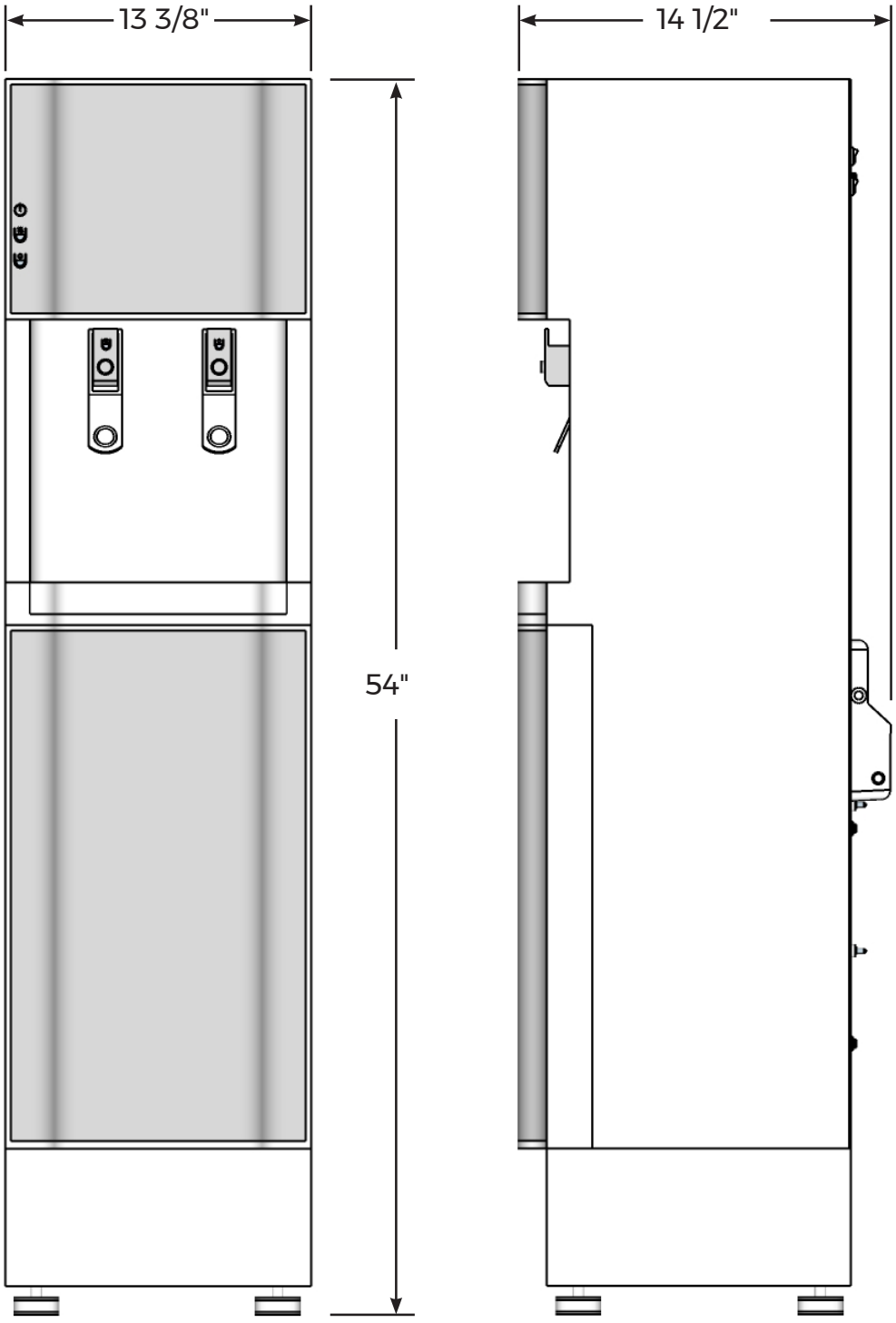
HEATING SYSTEM
Hot Tank: 1.5 gallon
Heating: 2.8 gal/hour 180˚F

Hot Water Safety Lock

Power Draw:
115 volts, 9.7 Amps, 1210 Watts, 60 Hz
Requires two 120v power outlets

Dimensions: 14" W x 14.5" L x 54" H

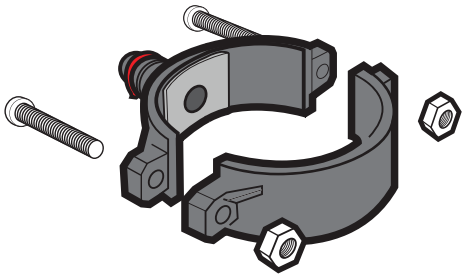
Bio-Quantum Water Station Installation Guide



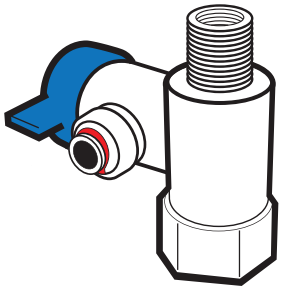
Connecting to feed water and drain line

Parts included

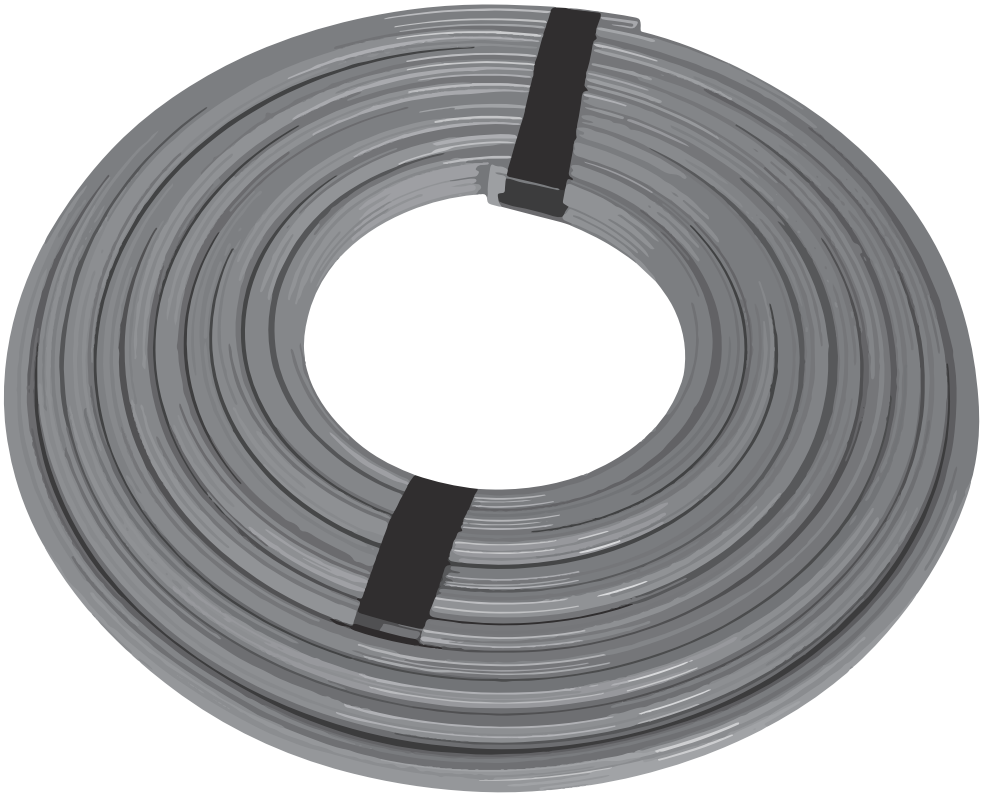
Included with your Bio-Quantum are the follow parts needed to connect to the water supply and drain line.



Drain Saddle



Angle Stop Valve

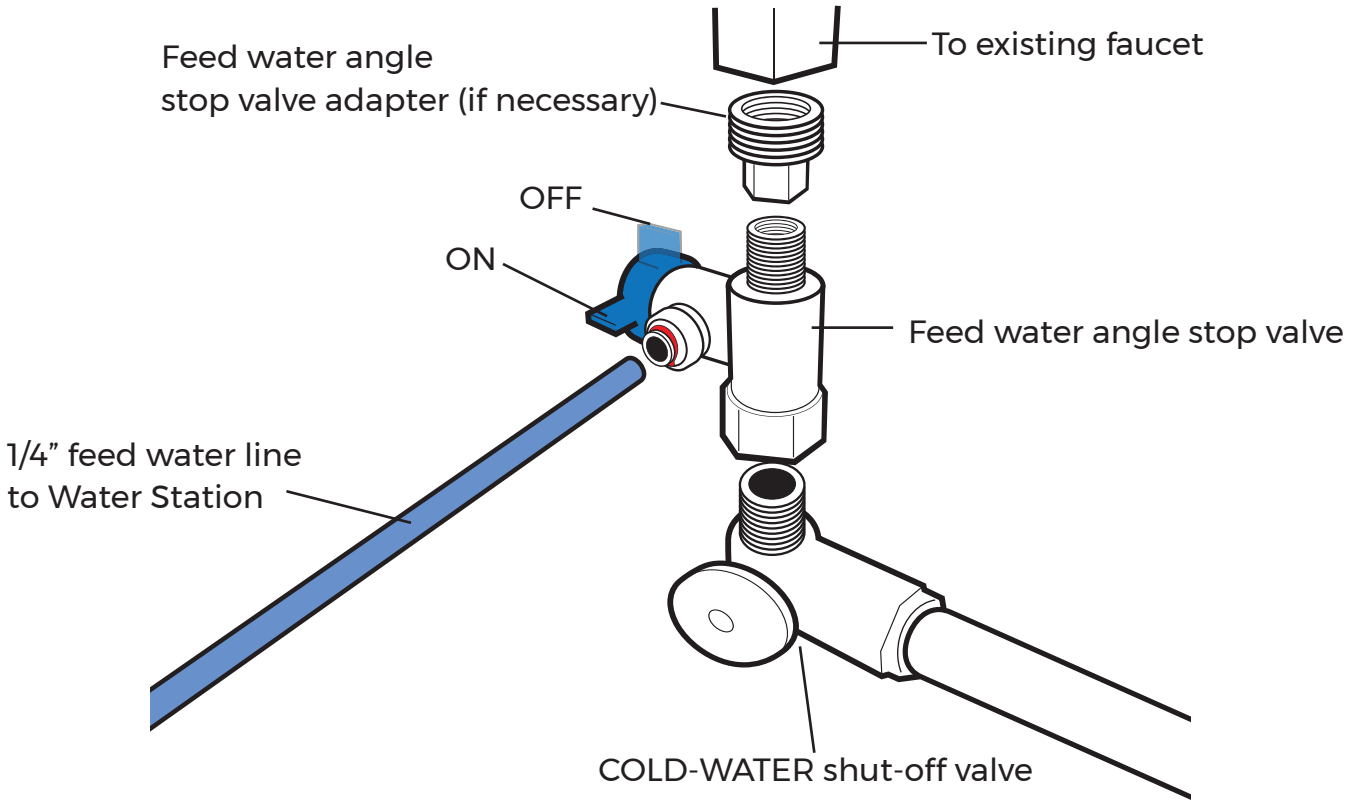


20 ft of 1/4" Dual tube feed and drain line

Cut back outer sleeve to reveal blue feed line and black drain line

Connecting to feed water

STEP 1: Angle Stop Valve



Locate the COLD-WATER Shut-Off Valve underneath the sink and turn it OFF.

2. OPEN the COLD-WATER faucet to release the pressure.

3. On the COLD-WATER fitting to the sink, disconnect the flex line from the stand pipe.

4. For traditional piping, an Angle Stop Valve has been supplied. This adapter can be used for both 3/8” or 1/2” feed line plumbing. Simply switch the adapter nut one side of the adapter valve to the other.

5. Thread the female portion of the Angle Stop Valve on to the Cold-Water Shut-Off Valve and re-connect the flex lines to the male threads. If your plumbing is different, connect to the COLD-WATER line with a Saddle Valve or another Valve that is applicable.

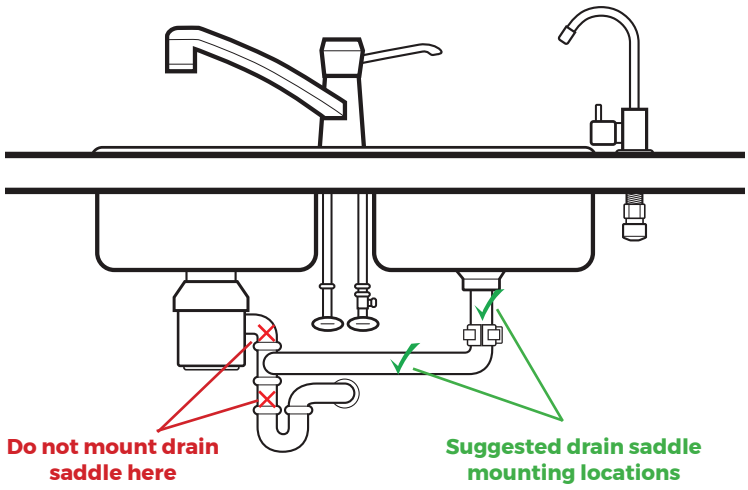
6. Connect pressure regulator and Water Detector in line making sure flow direction is in correct position (note flow direction arrows on parts).

Note: If the cold water shut off valve can not turn off the water, the main water supply to the house must be shut off for the installation. Another option is to use a “self piercing saddle valve” from a local hardware store.

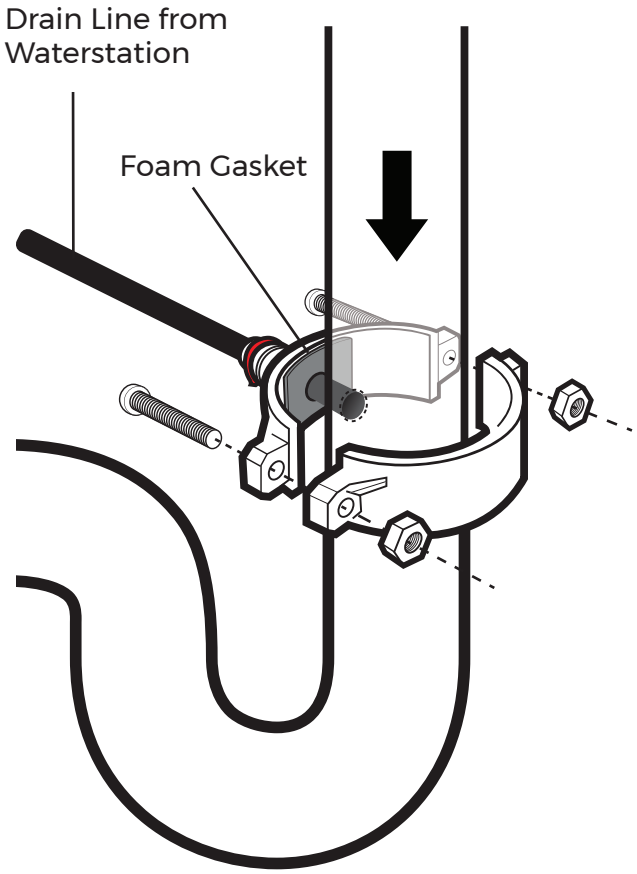
These installation instructions are prepared for use by a licensed plumber or contractor.

Installing RO drain line

STEP 2: Drain Saddle Valve



A Drain Saddle Valve is used to connect the 1/4" BLACK Brine Out Line to the drain pipe under the sink. It is designed to fit around a standard 1 1/2" OD drain pipe. The drain saddle valve should always be installed before the p-trap and on a vertical or horizontal drain pipe.



1. Position the drain saddle valve at selected location and mark the opening.
2. Drill 1/4” hole at mark through one side of pipe.
3. Remove backing from foam gasket and place adhesive side to the fitting half of drain clamp around hole.
4. Position both halves of drain saddle on drain pipe so the opening aligns with drilled hole. Use a small drill bit to verify that drain clamp is properly aligned.
5. Secure drain saddle clamp with bolts and nuts provided. Do not over tighten. Make sure there is equal space between saddle valves on each side.

Never mount drain saddle near garbage disposal to avoid clogging the drain line with debris.

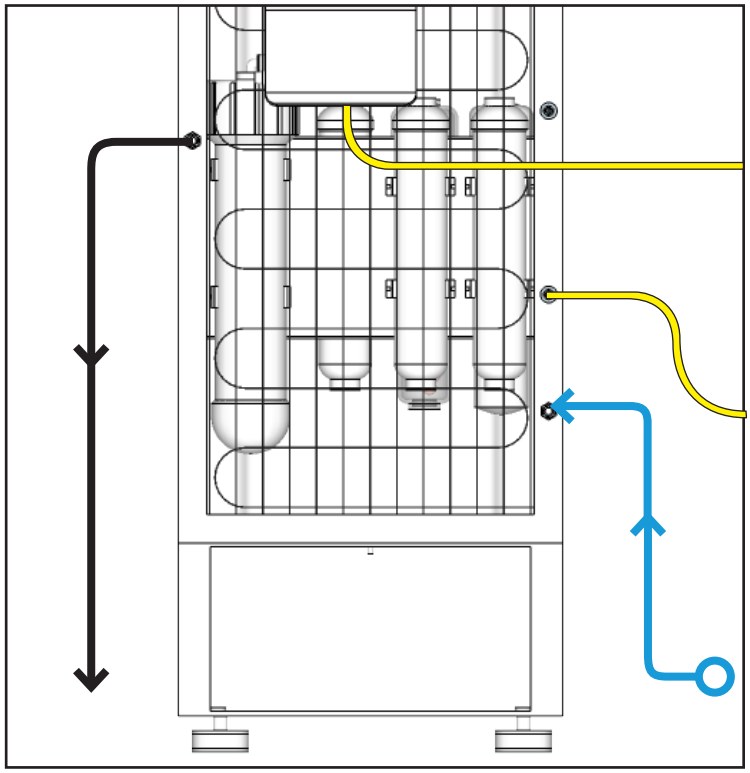
The Bio-Quantum Water station comes with two ¼" lines that need to be connected for service. One is a water feed line into the unit and the second is a drain line that needs to be plumbed into a drain. This system also requires a 110V power outlet to power the unit.

To start hook up of system, connect ¼" feed line to angle stop on any cold water line.

Next plumb ¼" drain line to any adequate drain. Be sure the Hot and Cold water power switches on back of unit are in the off position. If these switches are turned on before the holding tanks are full, they will burn up and void warranty.

Plug in unit to a power source. Part of the systems filtration is a Reverse osmosis membrane and will take about 1.5 hours to fill the water holding tanks in the unit.

After above recommended filling time, check to see if you have a steady flow of water from both dispensers (note: hot water dispenser may not flow till switched on). After steady flow is confirmed, turn on Hot and Cold water power switches on back of unit. Now that the tanks are full the water in the holding tanks will start to heat and chill as designed. This process takes about 30 minutes to process. After 30 minutes, check to see that hot water and cold water are being dispensed as expected. Once you have confirmed both hot and cold water dispensing the install is complete and you are now ready to enjoy Ophora nano purified, alkaline rich, restructured drinking water.

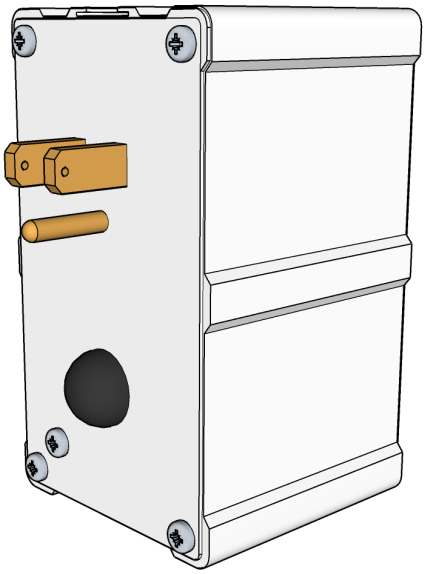


- ¼" water line in
- ¼" drain line out
- power line

Please note that a range of incoming water pressure should be no lower than 40 psi and no higher than 70 psi.

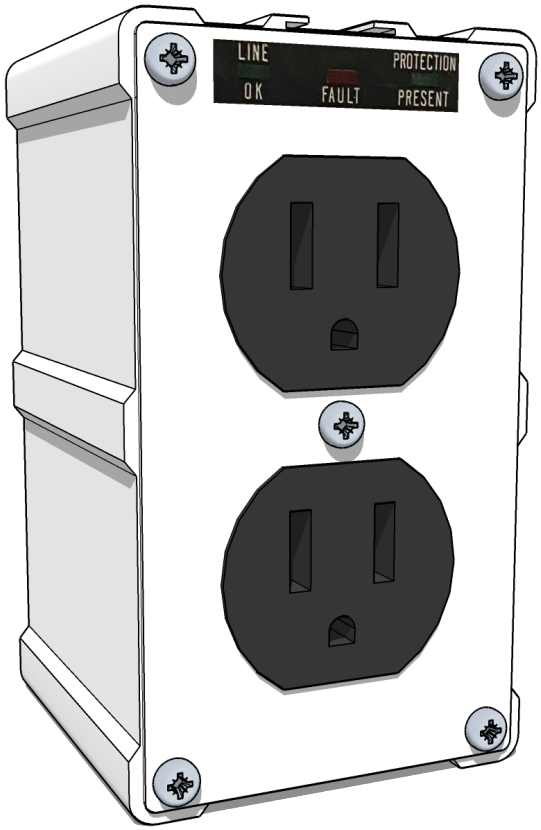
Connecting to Power

STEP 3: Plugging into surge suppressor



A TrippLite Surge Suppressor has been included with your Bio-Quantum and must be installed for proper protection of internal equipment. Not using this surge protector will void warranty. Be sure to register your TrippLite product at: www.tripplite.com/warranty

1. Plug supplied surge suppressor into 110v wall receptical. Check LED lights for proper funtion.
2. Plug both power cables into surge suppressor, one from main Bio-quantum housing, the other from the Ozone generator.



LED Status

- Left green LED indicates that AC power is present
- Right Green LED indicates full protection available
- Red LED indicates improper or faulty wiring (requires site wiring correction)
- No illumination LEDs indicate loss of power

Visit www.tripplite.com/warranty today to register the warranty of your new TrippLite product.

TrippLite Surge Protector - Ultimate Lifetime insurance Policy.

(This is a limited warranty valid in the U.S.. and Canada only.)

TrippLite warrants for the lifetime of the product (at TrippLite's option) to repair or replace (on a pro rata basis) directly connected equipment that is damaged due to power transients while properly connected to TrippLite products offering the Ultimate Lifetime Insurance Policy. Power transients includes spikes and surges on the AC power data or telephone lines that the TrippLite products have been designed to protect against (as recognize by industry standards). The following four paragraphs are conditions that must be complied with before the warranty becomes valid; failure to comply with these requirements will void the warranty.

AC Power Line Transients: to claim damages, the TrippLite product must be plugged into a properly wired and grounded outlet No extension cords or other electrical connections may be used. The installation must comply with all applicable electrical and safety codes set forth by the National Electrical Code (NEC). Except as provided above, this warranty does not cover any damage to properly connected electronic equipment resulting from a cause other than an "AC power transient" If user meets all of the above requirements TrippLite will repair or replace (at TrippLite's option) equipment up to the specified value (See Ultimate Lifetime Insurance Policy Limits). No coverages allowed for damage entering from telephone or data lines, unless they are separately protected, as described below.

Telephone and Data Line Transients: TrippLite will repair or replace directly connected equipment that is damaged by transients on telephone and/or data lines only when all such paths are protected by a TrippLite protection product(s) and the AC power (utility) line is simultaneously protected by a TrippLite power protection device (UPS, surge suppressor or line conditioner) with Ultimate Lifetime Insurance coverage. Additional telephone and/or data line connected devices downstream must have their own telephone and/or dataline protectors.

Reimbursement dollar limits will be equal to that of the TrippLite power protection protector, Coverage is excluded where a suitable environment for the protection device is not provided, including, but not limited to, lack of a proper safety ground. Telephone service equipment must also include a properly installed and operating primary protection device at the telephone service entrance (such devices are normally added during telephone line installation).

All above warranties are null and void if the TrippLite product has been improperly installed, tampered with or altered in anyway, or if the connected equipment was not used under normal operating conditions or in accordance with any labels or instructions. All claims under this warranty must be submitted in writing to TrippLite within 30 days of the occurrence or the claim will not be considered.

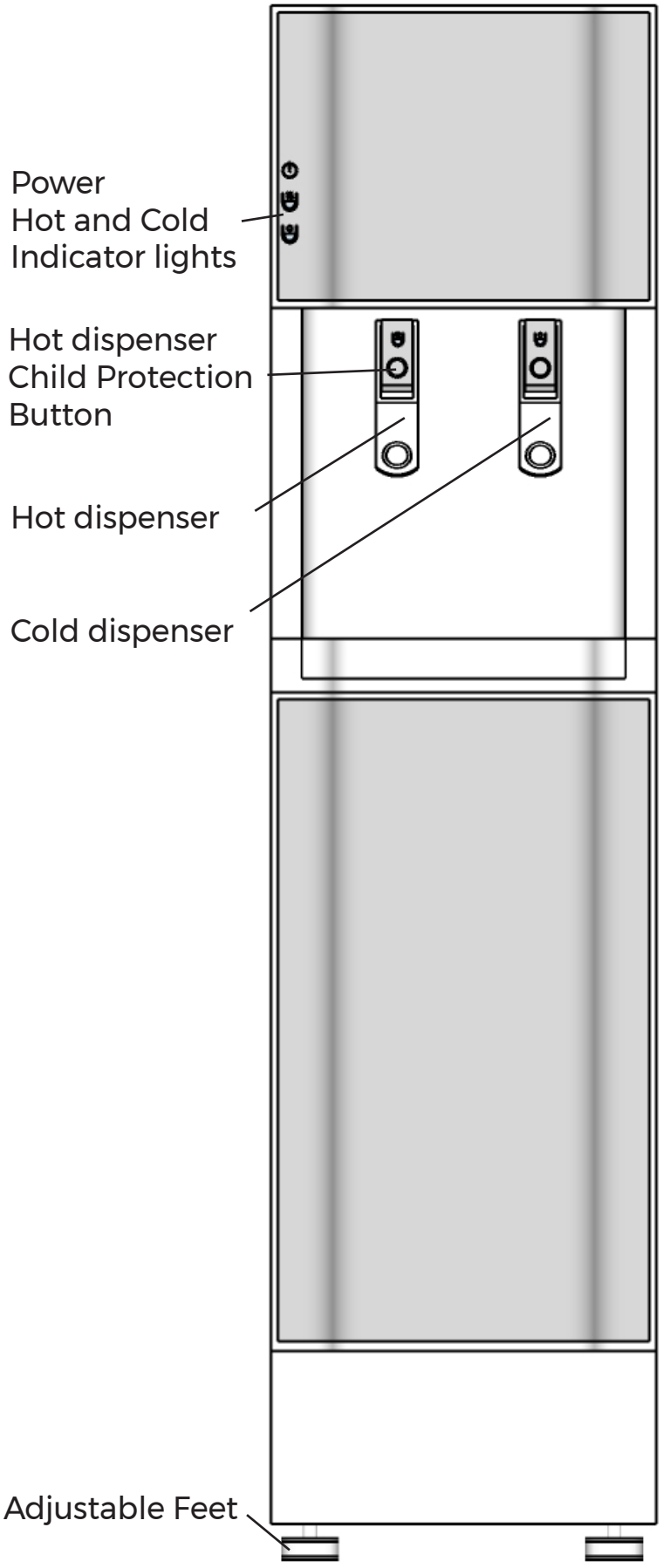
This warranty does not include damage resulting from accident or misuse, and applies to the domestic (USA & Canada) use of these products only. TrippLite reserves the right to determine whether the damage to the connected equipment is due to malfunction of the TrippLite product by requesting the equipment in question be sent to TrippLite for examination. This policy is above and beyond, only to the extent needed of that provided by any coverage of connected equipment provided by other sources, including, but not limited to, any manufacturer's warranty and/or any extended warranties.

EXCEPT AS PROVIDED ABOVE, TRIPPLITE MAKES NO WARRANTIES EXPRESS OR IMPLIED. INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Some states do not permit limitation or exclusion of implied warranties: therefore, the aforesaid limitation(s) or exclusion(s) may not apply to purchaser EXCEPT AS PROVIDED ABOVE,

IN NO EVENT WILL TRIPPLITE BE LIABLE F OR DIRECT, INDIRECT, SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Specifically, TrippLite is not liable of any costs, such as lost profits or revenue, loss of equipment, loss of use of equipment, loss of software, loss of data, costs of substitutes, claims by third parties or otherwise. Coverage also does not apply to connected medical and industrial equipment. To receive service under this warranty, you must be the original purchaser/user of the product in question. You must obtain a Returned Material Authorization(RMA) number from TrippLite. Products must be returned to TrippLite with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase.

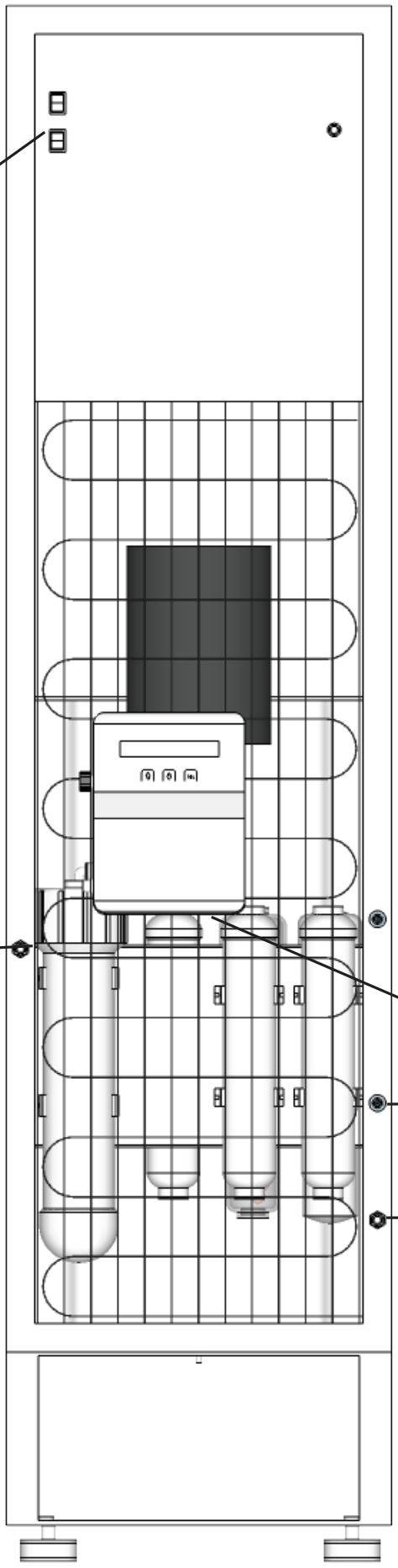
Regulatory Compliance Identification Numbers

For the purpose of regulatory compliance certifications and identification, your TrippLite product has been assigned a unique series number. The series number can be found on the product nameplate label, along with all required approval markings and information When requesting compliance information for this product, always refer to the series number. The series number should not be confused with the marking name or model number of the product.


Power
Hot and Cold
Indicator lights
Hot dispenser
Child Protection
Button
Hot dispenser
Cold dispenser
Adjustable Feet

Hot and Cold power switch

DO NOT TURN ON HOT OR COLD SWITCHES UNTIL WATER FLOWS FROM HOT AND COLD DISPENSERS



¼" Drain out

Ozone Power line

Main Power line

¼" Water in

Precautions During Installation

1. Confirm your electrical outlet is 110V
2. Make sure to use an individual outlet for the appliance
3. Make sure to use supplied Tripplite Surge Suppressor

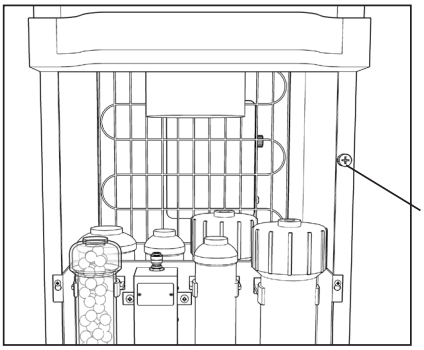
Caution:

* If the power cord is damaged, replace it immediately
* Children should not use the appliance without supervision
* If the water pressure exceeds 60 PSI, use a pressure reducing valve.

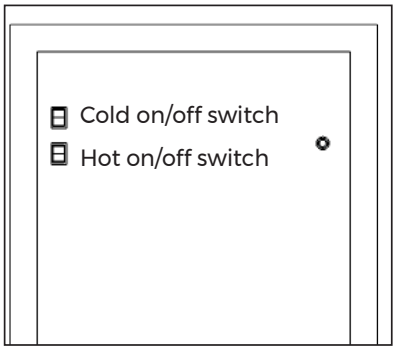
Operation

Start Up Procedure:

1. Make sure water feed line and drain line are connected properly
2. Cold and Hot switches on the back of the unit should be in the OFF position. Do not turn on either of the switches until water delivery is confirmed and steady from cold and hot water dispensers. Average time to confirm this is about 45 minutes. The RO membrane produces purified water to the holding tanks at a slow rate.
3. Turn on water supply and allow water holding tanks to fill.
4. After 45 minutes, confirm cold water is be dispensed from cold water plunge dispenser. Once a steady flow of water is confirmed the cold water switch on back of unit can be set to the on position. Water will start to chill.
5. Next, confirm room temperature water is being dispensed from hot water plunge dispenser. Water will not flow until tank is full. Hot water switch must only be turned on when water flow from the hot side is confirmed. If hot water switch is turned on before water flow is confirmed the thermostat control with fail and will not heat water. If this happens the thermostat will need to be reset through the back of the unit.
6. Once water flow is confirmed from hot water side, the hot water switch on the back of the unit may now be switched to the on position.
7. Cold water takes approximately 50 minutes to fully chill. Hot water takes approximately 20 minutes to heat.
8. Double check to make sure water is dispensed from both hot and cold water. Check for leaks once system is fully pressurized.
9. Program Ozone Generator on back of water station



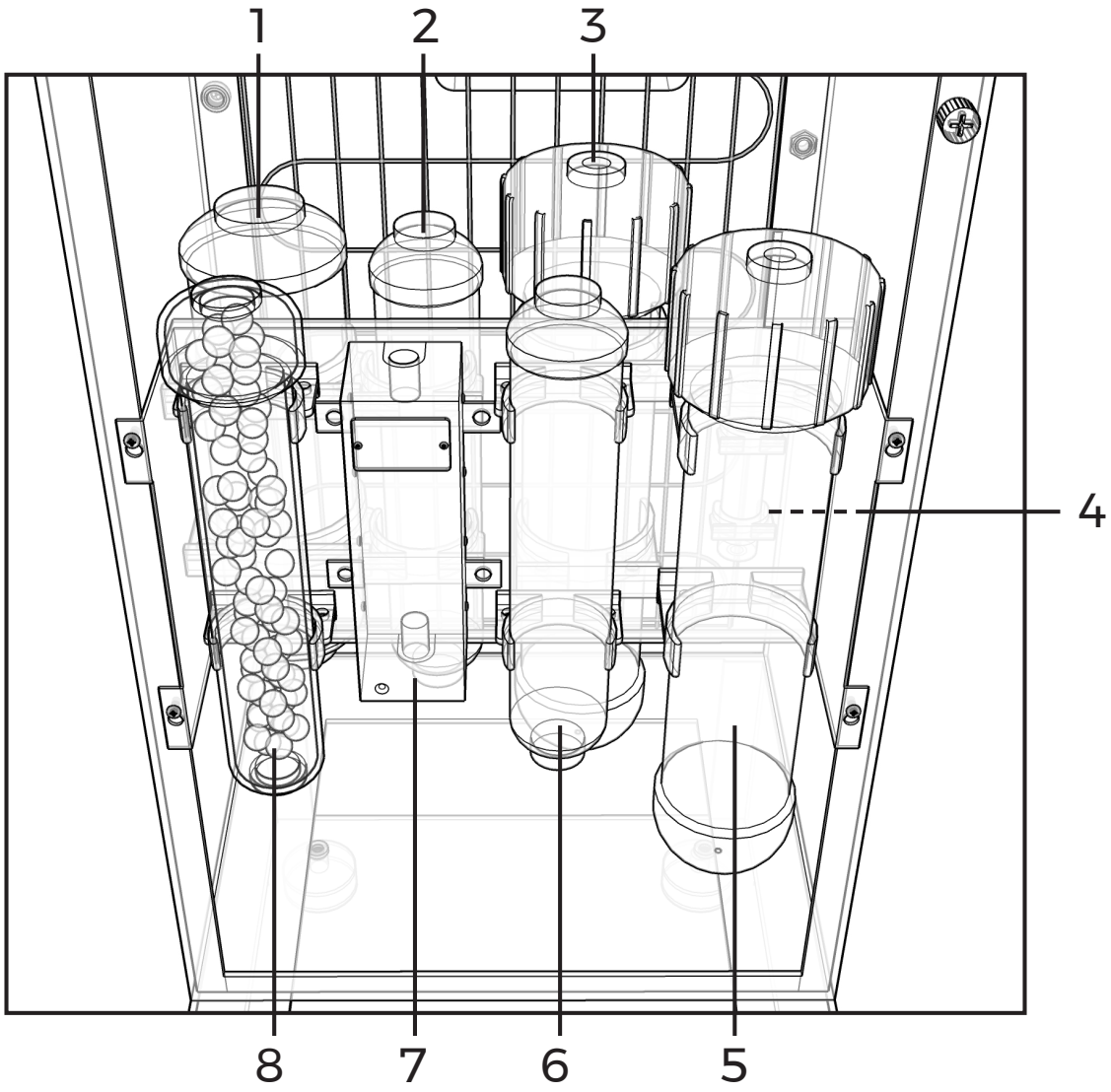
Inside Cabinet



Back of water station

If unit will not be used for an extended period of time, drain the unit by removing the black drain cap, which is located behind the detachable front panel on the right side. Capture water with a 5 gallon bucket.

Unplug main power from electrical outlet.



1. Dirt & Sand Reduction
2. Catalytic Carbon
3. Alkaline Media Water Restructuring
4. OPHORA Stainless Steel - Vortexing Device
5. RO Membrane
6. Organic Coconut Carbon / Final Polishing Filter
7. UV Sterilization
8. 350 Hz - Rose Quartz

Diagram above shows the proper placement of purification and media cartridges. For proper performance do not change order of connections.

Call +1 (866) 928-7247 to order filters

Setting up the Ozone Generator

Advanced settings

Ozone Generator comes pre-programmed, this step only necessary if customizing settings or if Ozone Generator has been reset. The screen is an LCD backlight for clear data display. It displays data during programming and when stationery, when on and off, and when programming operating time for the Ozone generator, air pump, and water dispenser compressor. During normal operation this screen shows date, day of the week and time of day using a 24-hour clock mode.

When plugged for first time in the LCD display with show blinking cursor over a blank date, day, and time. Using the “Up” and “Down” arrows scroll to set current date day and time. Use the “Sel” button to move to next input field.
Only the date, day, and time need to be set. All other functions have been set at the factory.

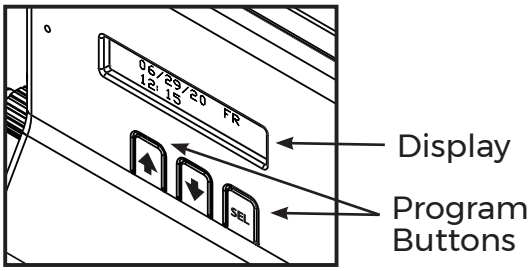
The Function Buttons
There are three buttons below the LCD display window. They are used for:

- Up and Down (arrows). Press simultaneously to enter programming.
- Up (arrow). Allows cycling through each screen and to change input.
- SEL. Allows change of input, saves, and moves to next input.

Follow the instructions to adjust these settings.

Function Settings
The following symbols used in the SIP NEO3 LCD display panel indicates:
O3 - Ozone Generator AP - Air Pump CO - Dispenser Compressor

When one of the above symbols is displayed then you are programming that function. When O3 is programmed, the AP is automatically programmed to turn on at the same time. It stays on for 10 minutes after O3 turns off. This allows the ozone to be dissipated and to leave no residual ozone in the reservoir after the program is completed. The compressor display allows you to control the timing of operation. Therefore, the compressor can be shut down during periods of inactivity to save energy. In addition, AP can be programmed to turn on independently at two separate times.



Default display when plugged in

Example of display after initial set-up

This unit has been programmed at the factory. Only the local time, date and day of week need to be adjusted to make your SIP NEO3 set-up complete.

Programming the Ozone Generator

Advanced settings - O3, AP, CO and how to set date, day, and local time

Press both UP & DOWN arrows simultaneously and hold to unlock the unit to allow programming. Press UP key to scroll through the five programmable fields:

- Use the SEL key to edit the selected functions.
- O3 (Ozone Generator)/air pump program and cycle time. When in programming mode Press SEL to enter O3 programming screen.
- AP (Air Pump) programming and cycle time.
- CO (Compressor) programming and cycle time.

The Compressor Screen Has 5 Programmable Fields:

- Start day of the Week
- End day of the week
- Start daily on time
- End daily off time

On all the time These fields are programmed using the same methods – UP key to increment value, DN key to decrement value and SEL key to accept the value. The operation will complete and the new values will be used from the next cycle on. In order to pre-empt the current operation and use the new values immediately press and release DN and SEL keys at the same time.

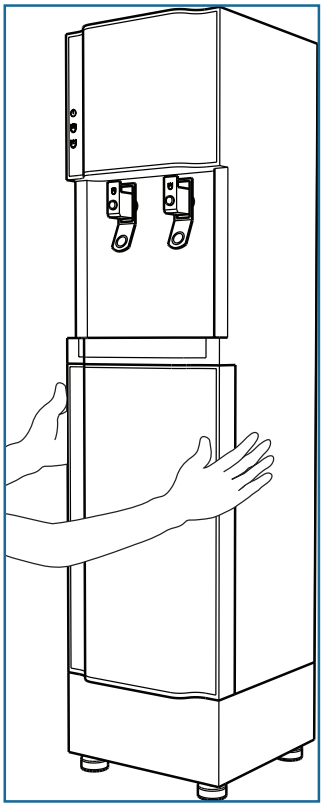
To enter the Device Programming mode press the UP and DOWN keys together for about 3 seconds. The following screen is displayed.

Once in Device Programming Mode press UP to cycle through each screen. There are 5 programming screens. Any one of the screens can be selected by pressing SEL.

Once in Edit Mode, a blinking cursor will appear on the first input of that screen

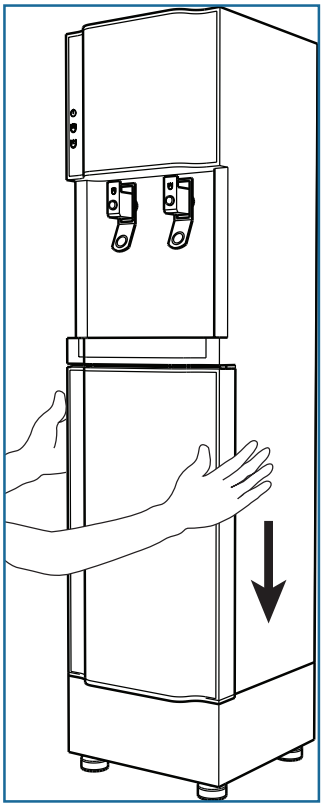
Filter Replacement

How to remove front panel



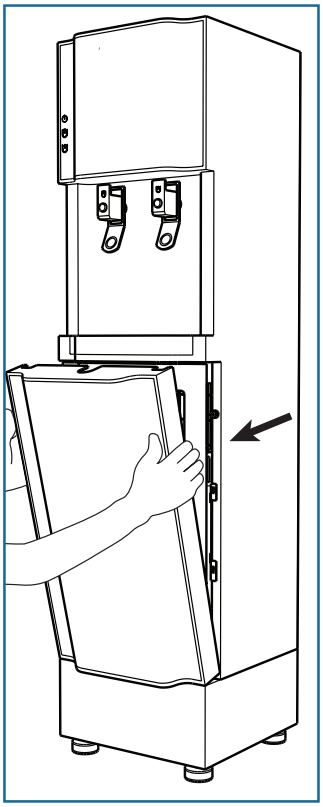
Step 1

Hold both sides of bottom front panel.



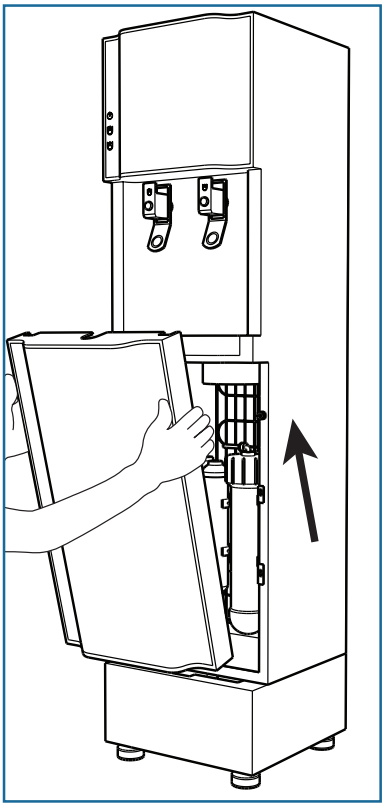
Step 2

Pull downward to create a gap at the top between front panel and housing.



Step 3

Pull towards you while continuing to apply downward pressure on front panel.



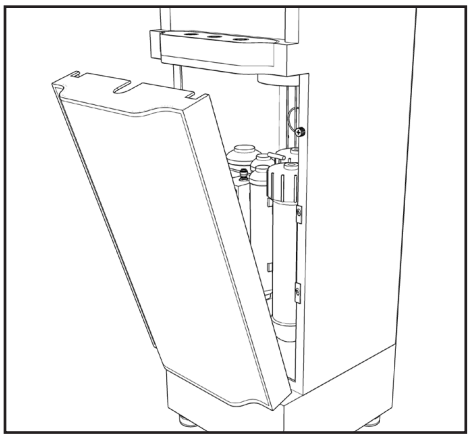
Step 4

Lift up and out once top edge of front panel has cleared the housing.

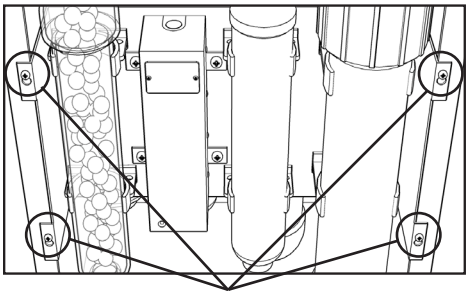
Be careful when removing Front Panel, there will be water line attached and rose quartz container attached to inside of front panel.

A video explaining removal of front panel is available at: https://www.youtube.com/watch?v=FxhYXLpt058

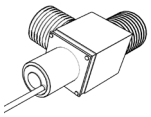
Filter Replacement



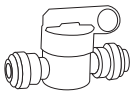
front panel



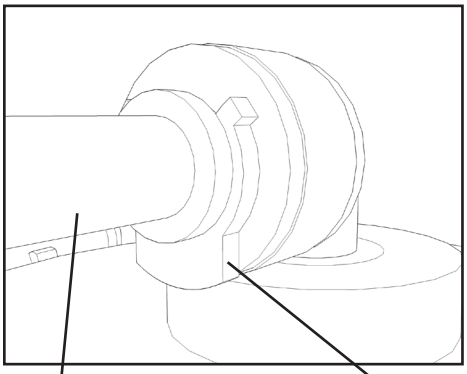
4 mounting bolts



leak detector valve



ball valve



1/4" line connector

1/4" water line

retaining clip

Step 1

Turn off Hot and Cold switches and unplug power and shut off water station

Step 2

Detach front panel. Grasp sides and gently pull downward then tilt out

Step 3

Shut off valves located before and after the filter rack

Step 4

Loosen 4 mounting bolts on canister retainer rack. Lift up and carefully pull rack forward off of mounting bolts.

Step 5

A) Close ball valve after leak detector valve
B) Disconnect media canister by carefully removing retaining clips from water line connectors. Pull media off of mount.

Step 6

A) Place new media canister back on rack. Insert water line into water line connector and replace retaining clips. Tuck in any water lines that may be in the way of front panel.
B) Open ball valve after leak detector valve

Step 7

Replace front panel, set bottom into position first then gently press down and tilt panel back into position. Check alignment, panel should fit flush on all sides.

Step 8

Re-open shut off valves and drain water from front water dispenser to fill approximately 1 gallon of water

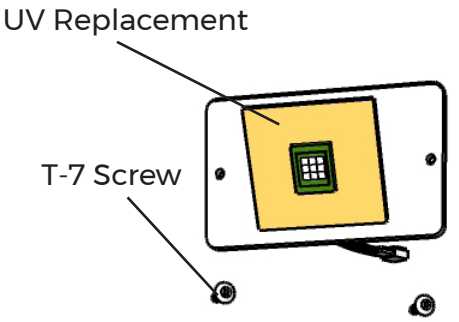
Step 9

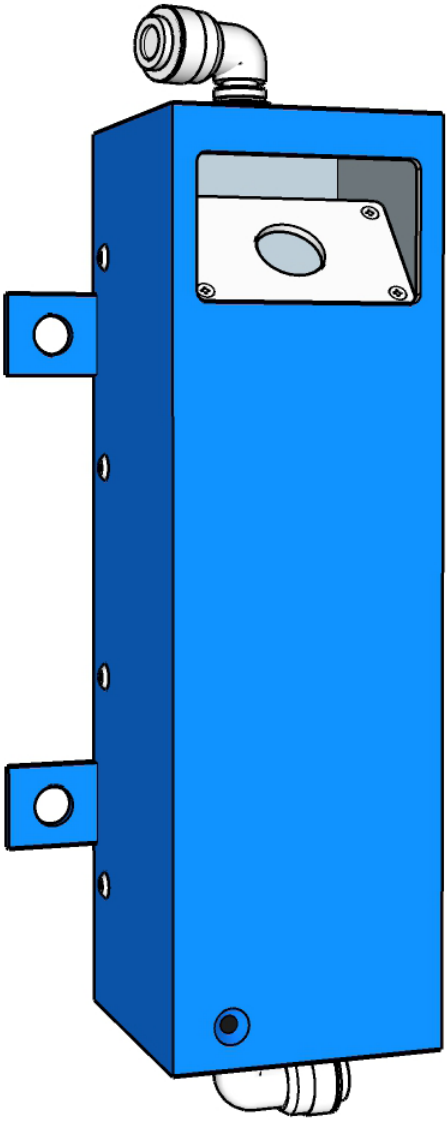
Plug in water station and turn on Hot and Cold switches after water has a continuous flow from Hot dispenser.

Average time for filter replacement is once every 12 months.

Please contact Ophora Water Technologies at 1-805 560 0445 to order these components.

UV Bulb Replacement





Step 1

CLOSE the Tank Valve and Close the Angle Stop Valve.

Step 2

Unplug UV Light

Step 3

Unscrew Faceplate screws using T-7 wrench and remove from UV Device.

Step 4

Remove LED UV bulb and disconnect wire connector.

Step 5

Connect wire connector of new bulb and place into possition.

Step 6

Check to make sure wires are in proper place and screw Faceplate back onto UV Device.

Step 7

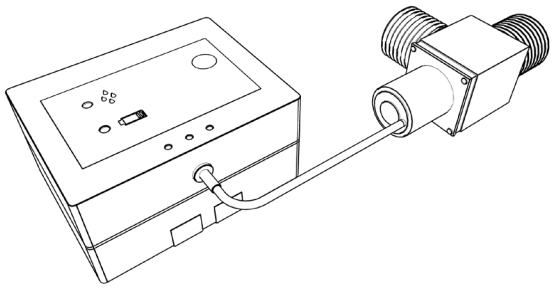
Plug in UV

Step 8

OPEN the Angle Stop Valve. If any leaks are noted, CLOSE the Angle Stop Valve and correct before proceeding. OPEN the Tank Valve.

Caution:
Unit can potentially be hot, be sure power is off and wait for it to be cool.
*** Never look directly into UV bulb when active.**

Leak Detection



All systems are built with an in-line leak detector. The location may vary depending on placement of the unit. Instalation should be on the floor in close proximity of the unit. If you hear beeping and the machine is not producing water then this means a leak has been detected and the automatic incoming water shut off has been activated.

Important Note:

1. The solenoid valve may be stuck by dirty water. Please check the solenoid valve periodically. Having the metal plate of the control box contacted with water. If the solenoid valve can not shut off the water. Please call technician to Alcan and fix it.
2. The leak controller must be at least 30 cm from any water heater.
3. The two metal plates of the leak controller case must be contact ed with floor.
4. The leak controller must be put on the position where the leaking water may go through most likely.

1.0 Installation:

Install the proper fitting with the solenoid valve. The thread of solenoid valve is 1/2" BSP male. Then connect the in let tube of the water treatment system with the solenoid valve.

2.0 Reset to work

Keep pressing button for 4 seconds, the leak controller activates solenoid. The leak controller will generate a long beep sound.

3.0 Auto shut off when water leak is detected

The leak controller shuts off water and generates an acoustic signal, "beep-beep", and blinks the blue light continuously to notify the water leak is detected. After the leakage problem is solved, keep pressing button for 4 seconds, the leak controller turns on water again with a long beep sound.

4.0 Low power alert and shut off

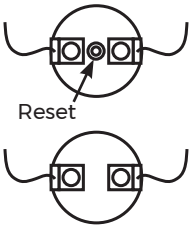
When the battery power is low, the leak controller blinks red light and generates an acoustic signal "beep" sound continuously to notify user to replace the battery with a new 9V alkaline battery. User needs to change the battery immediately to keep the leak controller functional The leak controller may also shut off water. It depends on the battery power. After replacing with a new 9V alkaline battery, the alert will be released. Pressing the button for 4 seconds to turn on water again if the water is shut off

Trouble Shooting

Water station is making a beeping sound - check the leak detector, this is located behind main front panel on the floor inside of the unit.. Most likely the 9v battery needs to be replaced (see leak detection). Check to see if any water is found at the base of the water station. If water is found call Ophora Water Technologies for help or servicing.

Water station is making a knocking sound - likely an air bubble is trapped in one of the filters. Remove filter rack turn upside-down and gently shake. Return to right-side up position and remount filter rack (see filter replacement).

Hot Water isn't working - If water from hot water dispenser is not warming up. Check switch on back, is it turned on. Check to make sure is unit pugged in. If still not warming up then likely heater needs to be reset, depress small button on back of heater located in the middle of top power connector to reset.



Cold Water but no Hot Water running after initial startup - If after the initial hour and a half you have water coming from the cold water spigot but nothing from the hot water spigot. Remove front panel, Make sure Leak Detector is On and Open by holding down the "ON/START" button (If the unit flashes and beeps three times and you hear water start to flow check for leaks and wait another 45 minutes and test the Hot water spigot. Find the Black cap with a "+" on the right rail near top. With a cup or bucket nearby pinch the silicone tube and unscrew the cap. Drain about 2 cups of water. Pinch of the tube and screw the cap back on. Test the Hot water spigot

There is no production or low production of O3 - Check all cable connections to make sure all cords are plugged in properly. Check the programming to make sure ozone setting is set correctly. Check and replace the filter disc. Verify a check valve is on the silicon tubing after ozone generator device. Check and/or replace diffuser.

Do's and Do not's

Install the product at least a half an inch from the wall.

The power plug should be disconnected when changing filters.

Do not use thinner, benzene or wax for cleaning, and keep the product away from any volatile agents.

Install the product on a flat and firm surface

Do not hit or kick your water system.

Do not tilt the product over 45˚ while moving, and do not operate while the product is tilted over 15˚.

Do not open or try to repair without help unless qualified to do so.

Wait for 30 minutes after moving your water cooler, before plugging it in to an electrical outlet.

Do not twist or snap the inlet hose.

Do not place the product where the temperature is below 40˚F