WL15 INSTALLATION, FILTER FLUSHING, AND SANITIZING PROCEDURES

⚠ **DANGER!** ***ELECTRICAL SHOCK HAZARD.***
*Only qualified personnel who have read and understand this entire manual should attempt to install, or service this **WL15 Water Dispenser**, failure to do so could result in death or serious injury. DO NOT plug into an electrical supply until specifically instructed. Always unplug (isolate from power supply) to prevent electrical shock except where electrical tests are specified.*

⚠ **WARNING!** ***ALWAYS SANITIZE BEFORE USE.***
Sanitize before use to eliminate any potential microbiological contaminates.

⚠ **CAUTION!** ***DRIP TRAY DRAIN.***
*The **WL15 Water Dispenser** has a drip tray that is NOT pre-plumbed to any drain or collection device and must be periodically emptied.*

⚠ **WARNING!** ***USE PROPER PERSONAL PROTECTIVE EQUIPMENT***
Always ensure proper ventilation and use proper personal protective equipment such as gloves and eye protection when using chemicals. Refer to Material Safety Data Sheet for specific requirements of each chemical product. Take all necessary precautions to prevent sanitizer from contacting eyes, clothing, and any other surfaces in could damage (carpets).

⚠ **CAUTION!** ***HOT CIRCUIT IS NOT SANITIZED.***
Water in the hot circuit is not sanitary until the temperature exceeds 77°C (171°F) for at least 5 minutes.

⚠ **CAUTION!** ***INDOOR USE ONLY.***
Never expose to direct sunlight, heat sources, or ambient air temperature above 38°C (100°F) or below 2°C (35°F). Install indoors and keep unit away from excessive humidity. Never expose to freezing temperatures. Ensure there is adequate clearance around the unit to allow refrigeration system condenser to dissipate heat. Warmer environments require more clearance around the unit. Minimum clearance around all surfaces of the machine is 2-inches. Installs where the ambient temperature exceeds 80°F, require a minimum of 4-inches clearance for proper heat dissipation and efficient operation.

⚠ **CAUTION!** ***USE UV STABILIZED SUPPLY LINES.***
Feed the unit with a potable ambient or cold-water supply only. Feed water over 100° F (37°C) can damage the treatment components. Water block devices and external leak detectors are strongly recommended. Locate the unit as close to the water supply and the electrical connections as possible.

Materials Needed:

- Personal Protective Equipment. Rubber or Nitrile Safety Gloves and Protective Eyewear
- Phillips Screwdriver
- Temperature Gauge
- Water Pitcher or Container to collect water from the faucet
- 5-gallon container or drain basin
- Sanitizer - Household Bleach (5.25% Sodium Hypochlorite) or Citric Acid Based Cleaner
- 1/4” Plastic Tubing and assorted 1/4” quick connect fittings
- Sanitizing Cartridge
- Food Coloring (optional)

1. Unpack the **Waterlogic WL15 Water Dispenser** and check exterior for damage.

2. Identify the ports on the back of the machine. All ports are clearly labeled. The top port of the drainage is not used, only the lower port is connected and will drain the hot tank. Make sure the power switches on the back are turned OFF (***O=OFF***).

3. Remove the top cover by removing the two screws holding the lid in place (2) and sliding back and lifting from the unit. Remove the other screws shown to release the side panel (4), then slide it back and pull away from the unit

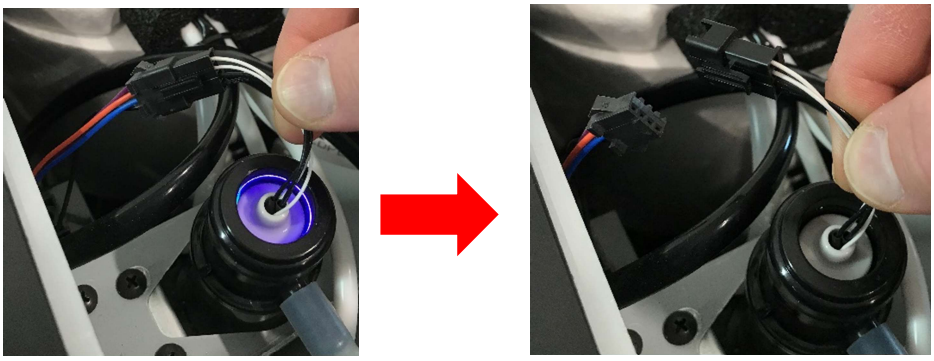
4. At this point, connect the machine to the water supply via ¼" poly tube inserted into the "Water In" port on the back of the unit.

5. Plug the machine into the power supply using the supplied power cord.

Sanitizing

6. To sanitize the machine, you will have to mix a sanitizing solution (Household Bleach (5.25% Hypochlorite solution), 1 teaspoon to ½ gallon of water or other approved cleaner) and run it through the cold and sparkling lines. To do this, mix sanitizing solution in an empty filter canister, and plumb in line with the water supply. It is recommended to add a few drops of red food coloring to the solution to help identify when it has run out. Also, setup a pitcher or large container to catch water as it is dispensed.

7. Disconnect the wire connection between the UV lamp and the PCB.



8. Turn on the Soda switch on the back panel of the unit (***I=ON***) to engage the carbonator pump and begin filling the carbonator tank. The carbonator pump should be easily heard running. Once it stops, try dispensing sparkling water to ensure flow.

9. Connect CO2 to the machine via ¼" poly tube inserted into the rear CO2 port on the back panel of the machine. Open the CO2 valve on top of the bottle. ***NOTE:*** Always use a pressure regulator set no higher than 40psi with any CO2 supply.

10. Now dispense cold water until the water runs red, then dispense sparkling water until the water runs red. Sanitizing solution is now in the lines and chambers of the cold and sparkling circuits.

11. Continue dispensing alternating water types until both run clear and have no bleach smell to the water being dispensed. This may require several gallons to be flushed through the system. ***NOTE: Be sure all sanitizer has been flushed from the system before installing the filters.***

12. Reconnect the UV lamp.

Filter Flushing

13. Shut off the water supply. Using the filter clips, clip in pre-flushed WL filters and plumb them into the water line in series, with the first filter connecting to the line from inlet bulkhead and the last filter connecting to the line feeding the solenoids. ***Remember***, the correct order for the filters is FT-0053, FT-0063, FT-0035. 53 should get water first and 35 should get water last. ***NOTE***: If filters are NOT pre-flushed, flushing will be covered in the next step.

14. Turn the water supply back on.

1. If the filters were not pre-flushed, flush them now by dispensing at least a gallon of water using ***ONLY*** the cold dispense operation. Place something in the dispense area to catch the water being dispensed. Small black flakes in the water are normal and is the purpose of this flushing operation. This is only loose carbon from the filters.

Fill the Hot Tank

2. Using the control panel, dispense hot water until water begins to dispense. It may take up to two minutes before any water flows from the faucet, as the hot tank is being filled with water.

3. Once water begins flowing using the hot dispense function, turn the hot switch on at the rear panel of the unit. (***I=ON***) Now, the water in the hot tank will begin heating.

Regenerate the Sparkling Circuit

4. Allow about 20-30min for the compressor and gas system to chill the sparkling water. Then test the dispense function of all types of water to make sure it is both heated and chilled to the desired temperatures.

UV System Functionality Test

5. Dim or shield the overhead lights and peer into the top of the UV module. The blue glow indicates the lamp is lit. If it is not, check the wire connections to the PCB and the bulb itself.

WL15 DRAINING PROCEDURES

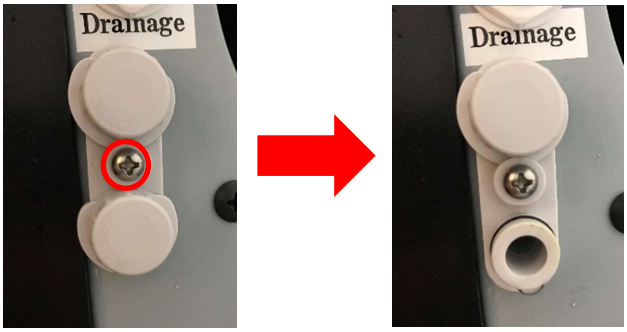
⚠ **CAUTION!** ***STORE UNIT EMPTY. ALWAYS SANITIZE BEFORE REUSE.***
The unit must be completely drained and sealed before storing to avoid stagnation and reduce microbial growth

⚠ **DANGER!** ***HOT WATER.***
The Waterlogic WL15 Water Dispenser produces Hot Water up to 87°C (188°F). Water above 52°C (125°F) can cause severe burns or scalding. Hot water should be dispensed carefully into insulated container to avoid injury.

1. To drain the tanks of the Waterlogic WL15 Water Dispenser, first start with draining the Hot Tank. Shut off the Hot Switch on the back of the machine and dispense Hot water until it is cool to the touch.

2. Now, shut off the water supply.

3. Locate the drain port on the back of the machine. Use a screwdriver to slightly loosen the screw at the center of the drain port, which will allow the lower cap to be turned 180 degrees and removed. ***Have a bucket or pitcher ready to catch the water as it drains out of the port.***



4. Once the water has completely drained from the Hot tank, replace the drain port cap and secure by tightening the screw down over the cap lip.

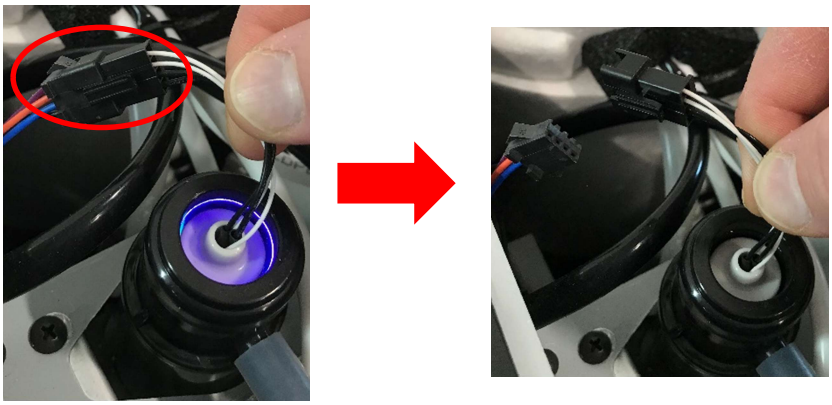
5. Next, drain the sparkling water from the system. Place a pitcher or the like in the dispensing area to catch the water as it comes out. With the gas connected and the Soda switch turned on, begin dispensing Sparkling water until only gas is coming out of the spout. Promptly turn off the Soda switch and shut the gas off at the bottle.

6. Again, with a pitcher in the dispense area, connect the gas line to the Water Supply port and turn the bottle on. Dispense Cold water from the system until only gas comes out of the spout (***it will only be a few ounces of water).*** Shut the gas off and disconnect the line. Dispense Cold water one last time to break any pressure buildup in the line.

CHANGING THE UV BULB

1. Remove the upper panel of the WL15 by removing the screws shown in red and set the upper panel aside.

2. With the upper panel removed, locate the UV module. The UV bulb is inserted from the top with the wires running out and to the PCB. Locate the plastic connector closest to the bulb and disconnect.

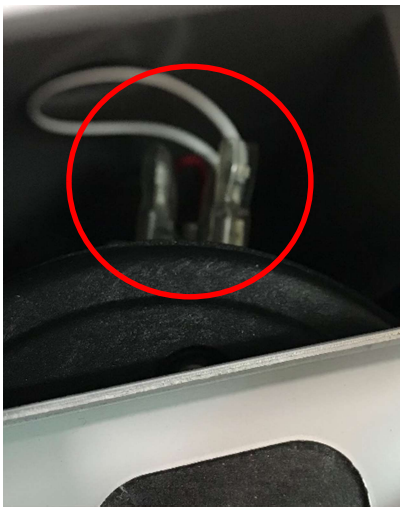


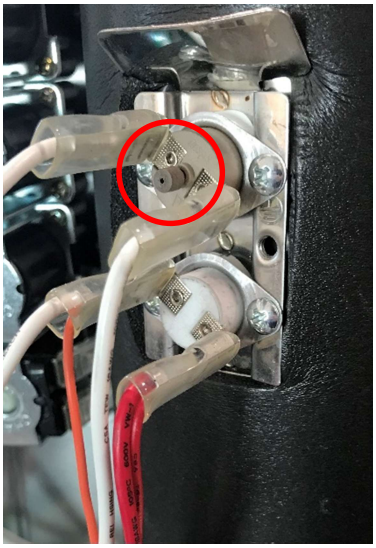
3. Now simply pull the bulb out of the module, replace with a new bulb, and reconnect the wire. Replace the top cover and screws.

WL15: HOT TANK RESET

1. Remove the upper panel of the WL15 by removing the screws shown in red and set the upper panel aside. ***UNPLUG THE MACHINE FROM THE POWER SOURCE.***

2. Locate the hot tank. Then locate the high limit overload thermostat on the tank. From this perspective, it will be difficult to see. The photos below illustrate what to look for.





3. Press the small gray button at the center of the thermostat. This will reset the contacts inside the thermostat.

4. Plug the unit back into the power source and reinstall the top cover and screws.

WL15: HOT TANK DESCALING

The Hot Tank requires removal of mineral deposits (descaling) on a regular basis. Typically descaling should take place every 6 to 12 months to preserve the long-term health of your unit.

Use non-toxic cleaner such as ScaleKleen, DEZCAL, 20% Citric Acid Solution, or Undiluted Vinegar Solution to remove mineral deposits as directed by the manufacturer depending upon filtration and local water conditions.

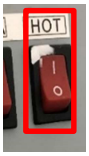
Descaling is an important process that removes calcium deposits, or scale, that can build up inside a tank over time. Calcium and scale is non-toxic but left unattended will hinder your WL250 Water Treatment System's performance.

⚠ **WARNING!** ***USE PROPER PERSONAL PROTECTIVE EQUIPMENT***
Always ensure proper ventilation and use proper personal protective equipment such as gloves and eye protection when using chemicals. Refer to Material Safety Data Sheet for specific requirements of each chemical product. Take all necessary precautions to prevent sanitizer from contacting eyes, clothing, and any other surfaces in could damage (carpets).

⚠ **CAUTION!** ***STAINLESS STEEL TANK DESCALING.***
*The Hot Tank is made from stainless steel. Ensure descaling solution is compatible with stainless and always flush the **WL15 Water Treatment System** completely. Dispose in an environmentally safe manner.*

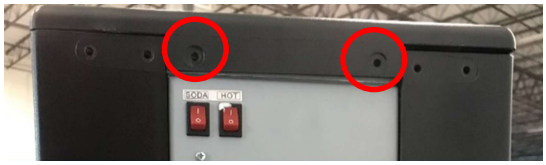
Materials Needed:

- Personal Protective Equipment. Rubber or Nitrile Safety Gloves and Protective Eyewear
- Phillips Screwdriver
- Water Pitcher or Container to collect water from the faucet
- Sanitizer - Household Bleach (5.25% Sodium Hypochlorite) or Citric Acid Based Cleaner
- 1/4" Plastic Tubing and assorted 1/4" quick connect fittings
- Food Coloring (optional)

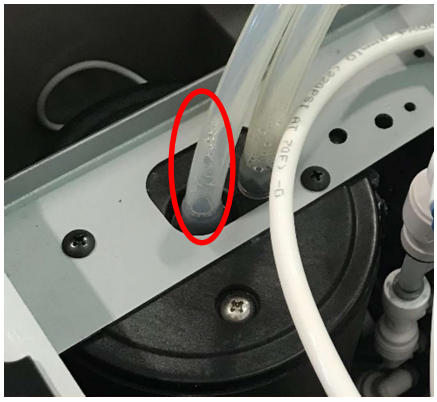


1. Shut off the water supply to the machine. Also, shutoff the Hot switch on the back of the unit.

2. Remove the two screws shown and remove the top panel of the unit and set aside.



3. Locate the Hot Tank. Pull the tube off the outlet port in the center of the top of the Hot Tank.



4. Put descaler per direction and 3 drops of food coloring (optional) directly into the Hot Tank outlet port. A small amount of water may need to be drained from the hot tank ***to make room for the descaler solution. Refer to the draining procedure for instruction on how to do this.***

5. Allow descaling solution to remain in the Hot Tank for 15-20 minutes.

6. Reconnect the tube from the faucet to the center port of the Hot Tank. Turn the water supply back on.

7. Place a pitcher or container under the faucet and dispense hot water until the water runs clear (if food coloring was used). This may require up to a gallon of water dispensed from the hot tank to completely flush all descaling agent out of it.

8. Once flushed of descaling agent, turn the Hot switch on at the back of the unit.