

## PRE-INSTALLATION PROCEDURES

**⚠ DANGER! ELECTRICAL SHOCK HAZARD.**

Only qualified personnel who have read and understand this entire manual should attempt to install, or service this unit, failure to do so could result in death or serious injury. DO NOT plug into an electrical supply until specifically instructed.

**⚠ WARNING! ALWAYS SANITIZE BEFORE USE.**

Sanitize before use to eliminate any potential microbiological contaminates.

### 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
- ¼" Plastic Tubing, at least 4 feet in length, and assorted ¼" quick connect fittings.
- TDS Meter and Test Strips for measuring chlorine. - Optional
- 1/8 NPT Female Thread to ¼" Compression Fitting (Used to connect hose to drain fittings)

1. Unpack the **Waterlogic WL500 Water Treatment System** and check exterior for damage.

**⚠ WARNING! WL500 WATER TREATMENT SYSTEM IS HEAVY.**

Use proper lifting aids and handling techniques to avoid injury. Use assistance as single person lift could cause injury. Always drain before handling and transporting and handling to reduce the weight of the unit.

2. Remove the Retaining Screw that is located directly in front of the faucet nipple. Refer to **Figure 1**. Removing this screw will allow access to the inside serviceable components (Filters and UV Lamp).
3. Open the Front Hatch Cover by lifting up and hinging outward. Front Hatch Cover can be removed by carefully squeezing Panel base and pulling over Hinge Pins.



Figure 1: Location of Access Cover Screw

### Flush Filters

**⚠ CAUTION! FILTERS FLUSH REQUIRED.**

**WL500 Water Treatment Systems** are not supplied with Filters. Filters should be configured to optimize your system. Filters need to be configured and specified to do the job given the local water conditions, usage, maintenance schedule, and placement restrictions.

*In order for our Filters to perform as represented and to provide the best quality water possible, it is essential that Filters be replaced periodically. The frequency of Filters changes depends upon your water quality and your water usage. For example, if there is a lot of sediment and/or particles in your water, then you will have to change your Filters more frequently than a location with little to no sediment. Be sure to replace your Filters whenever you notice a decline in the performance, whether it is a drop-in flow rate and/or pressure or an unusual taste in the water.*

4. Flush thoroughly per Filters manufacturers' recommendation with fresh water to drain.
5. Once flushed, install the Filters. Following the flow direction on the Filters.

**NOTE:** Filters should not be flushed prior to 24 hours before installation to limit Microbial Growth.

### Sanitizing

Sanitize using a household bleach solution or other approved cleaner throughout the cold and sparkling water circuits. Follow all instructions on the sanitizer and flush with fresh water through the faucet until odor and taste is acceptable.

**⚠ 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).*

6. Remove the UV Cover Plate and set aside – 2 Screws.
7. Disconnect the UV Lamp harness and carefully remove the UV Lamp from the Quartz Sleeve.

**⚠ CAUTION! UV SYSTEM IS FRAGILE.** *Never handle the UV System with bare hands. UV Lamp and Quartz Sleeve must be free of oils and contaminants to ensure proper operation.*

8. Remove UV Sensor from the side of the Cold Tank/Quartz Sleeve Retaining Cap.
9. Unscrew Cold Tank/Quartz Sleeve Retaining Cap and remove the Quartz Sleeve. This may require Top Cover to be removed to access properly and facilitate removal.
10. Mix ½ gallon of sanitizer per directions or use Bleach Solution (1 teaspoon = 1/6 oz. = 5 ml = ½ cap full) of household bleach (Sodium Hypochlorite 5 - 10% Concentration) with 1/2 gallon of water. Always ensure sanitizer is compatible with stainless steel and acetyl plastic.
11. Pour sanitizer solution into Cold Tank thru funnel or spout. You may add concentrated sanitizer (½ cap bleach) directly into empty Cold Tank instead of premixing.

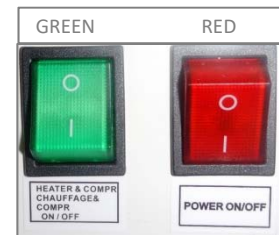
12. Inspect and clean Quartz Sleeve and O-ring. Reinstall the Quartz Sleeve and Quartz Sleeve retaining nut. Tighten firmly to ensure proper seal. Over-tightening can cause damage.
13. Reinstall the UV Lamp and UV Sensor. Take care not to touch with fingers.
14. Connect 40-60 psi regulated, potable water supply to the water inlet bulkhead fitting located on the back of the unit. Turn on water supply and check for leaks.
15. Connect CO<sub>2</sub> gas line to **WL500 Water Treatment System** Bulkhead Inlet Fitting. Regulate to 35-45 psi. Turn on CO<sub>2</sub>.

**⚠ WARNING! HIGH PRESSURE CO<sub>2</sub> GAS.** Use/Handle in accordance with all safety standards.

**⚠ DANGER! ELECTRICAL SHOCK HAZARD.**

*Do not plug in unit unless qualified. Only qualified personnel who have read and understand this entire manual should attempt to install or service this unit.*

16. Connect **WL500 Water Treatment System** to power, and turn on the RED Power Switch I=ON.



**⚠ CAUTION! NEVER TURN ON HEATER BEFORE FILLING HOT TANK.**

*GREEN Compressor/Heater Switch must be in the O=OFF position while the Hot Tank is empty. Damage could occur within one minute and the overload (high limit) will require manual reset if heater is turned on with an empty Hot Tank.*

### Fill the Cold Circuit with Sanitizer

17. Wait 10 seconds for the unit to perform its diagnostics checks, depress the main dispensing button on the front control Panel until cold water/sanitizing solution comes out the faucet. **NOTE:** Container and drain basin will be required to catch the water from the faucet.

**⚠ WARNING!** Use Personal Protective Equipment. Gloves and Eye Protection Required. The first 2 or 3 gallons of water will contain concentrated sanitizer. Use extreme care!

### Fill the Sparkling Chamber with Sanitizer

18. The sanitizer solution will be injected into the Sparkling Tank by the booster pump once unit is turned on and the Cold Tank is full. Dispense 1 liter of sparkling water into container and let Sparkling Chamber regenerate to ensure the Sparkling Tank is full of sanitizer.

**⚠ CAUTION!** USE SANITIZER COMPATIBLE WITH STAINLESS STEEL AND ACETAL PLASTIC.

*Do not allow the sanitizer solution to remain in the system for more than 10-15 minutes unless otherwise directed by the sanitizer manufacturer.*

### Flushing the Sanitizer from the Machine

19. Place a pitcher, catch basin, or other container under the faucet of the **WL500 Water Treatment System**.

20. Flush the Cold Tank. Run several gallons of water through the faucet by dispensing cold water to dilute and remove the sanitizer from the cold circuit. You can use chlorine test strips to evaluate the water. Once the sanitizer odor/taste has been flushed out of the cold side of the machine, move to the sparkling circuit.
21. Flush the Sparkling Chamber. Dispense sparkling water until only gas comes out. Let the Sparkling Tank regenerate. This should take approximately 1 minute, 20 seconds. Listen for the booster pump to turn off. Repeat the sparkling water regeneration until the sanitizer odor/taste has been flushed out.
22. The sanitization process for the Cold and Sparkling Circuits is now complete.

### Fill the Hot Tank

23. Press the Hot Button (Button 3), followed by the main dispensing button to fill the Hot Tank. Water will dispense from the faucet once the Hot Tank is full. Flush until water is clear.

**⚠️ WARNING! HOT CIRCUIT IS NOT SANITIZED. WATER MUST EXCEED 171° F**

*Water in the hot circuit is not sanitary until the temperature over 171°F for 5 minutes.  
Do Not Ingest and avoid contact until heater is turned on for at least 5 minutes.*

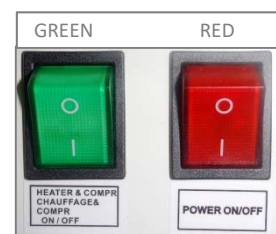
### UV System Functional Test

**⚠️ WARNING! ULTRAVIOLET RADIATION.** *Protect your skin and eyes against ultraviolet rays.  
Never look directly at an operating UV light. Disconnect before removing.*

24. Dim or shield the overhead lights and peer into the machine, on top of the Cold Tank, at the UV connector and Retaining Cap. The blue glow indicates that the lamp is lit.
25. Find the white wires delivering power to the top of the lamp assembly. Follow the wires back until the electrical connector is found. Disconnect the electrical connector and verify that the UV Lamp alarm annunciates.
26. Reconnect the UV Lamp wire connector, and cycle the Red Power Switch to clear the alarm.

### Compressor Test

27. Switch on the GREEN Compressor / Heater Switch (*I=ON*). Always ensure tanks are full of water before turning on the heater or the overload (high limit) will open and require manual reset. Once the Compressor starts, the fan condenser also will start. Verify the fan has started by feeling for the discharge of air at the rear grill of the machine. Heat exchange is a signal that the refrigeration system is working.



28. Monitor the Cold Tank temperature on the front display of the unit by changing the Temp Display to RANGING. It will take about 45 minutes for the unit to chill down to the default set point temperature of 41°F assuming ambient inlet water of 75°F.

29. Once the machine reaches its target temperature, the Compressor and fan will shut off. Draw a glass of cold water and verify it has been chilled to proper temperature.

### Heater Test

30. Always ensure tanks are full of water before turning on the heater or the overload (high limit) will open and require manual reset. It will take the heater approximately 10 minutes to heat the water from ambient 75°F to the factory set point of 189°F. You can monitor the Hot Tank temperature by selecting the hot button when the Temp Display is RANGING. Dispense a cup of hot water to ensure the temperature/odor/taste is acceptable.

**⚠ WARNING! VERY HOT WATER CAN BURN OR SCALD.**

*Hot water should be dispensed carefully into insulated container to avoid injury.*

### Drain the WL500 Water Treatment System for Transport

31. Drain the **WL500 Water Treatment System** for transportation per the Draining Instructions in this manual.

**⚠ WARNING! STORE UNIT EMPTY. ALWAYS SANITIZE BEFORE REUSE.**

*The unit must be completely drained and sealed before storing to avoid stagnation and reduce microbiological contamination (potential bacterial growth).*

## SANITIZING SPARKLING TANK ONLY

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- 1/8 NPT Female Thread to ¼" Compression Fitting (Used to connect hose to drain fittings)

1. Unpack the **Waterlogic WL500 Water Treatment System** and check exterior for damage.

**⚠ WARNING! WL500 WATER TREATMENT SYSTEM IS HEAVY.**

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2. Remove the Retaining Screw that is located directly in front of the faucet nipple. Refer to **Figure 1**. Removing this screw will allow access to the inside serviceable components (Filters and UV Lamp).
3. Open the Front Hatch Cover by lifting up and hinging outward. Front Hatch Cover can be removed by carefully squeezing Panel base and pulling over Hinge Pins.



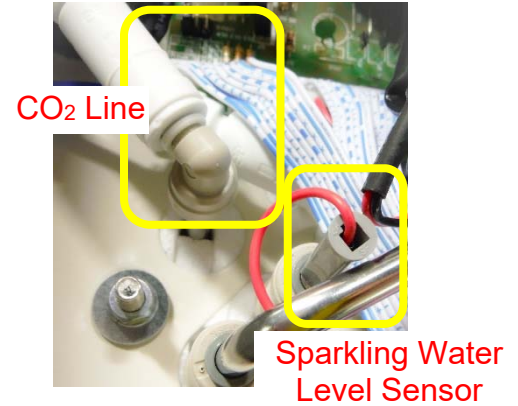
Figure 1: Location of Access Cover Screw



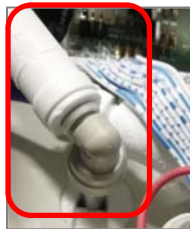
**⚠️ WARNING!** RELIEVE WATER AND CO<sub>2</sub> PRESSURE BEFORE ATTEMPTING TO SANITIZE SPARKLING TANK.

### Accessing Sparkling Tank

4. Remove Sparkling Water Level Sensor Wires
5. Remove Sparkling Water Level Sensor Fitting and Probe to access Sparkling Tank.



6. Remove Fitting from CO<sub>2</sub> Line
7. Attach Water Inlet Valve



8. Add 1-2 drops of Bleach into the Sparkling Tank through the Sparkling Water Level Sensor line.



9. Connect Drain Water line and fitting to the Sparkling Water Level Sensor line.
10. Flush 3-5 Gallons through Sparkling Tank. There should be no bleach smell after flushing.
11. Reconnect Sparkling Water Level Sensor, Fitting and Wires.



## WL500 DRAINING INSTRUCTIONS

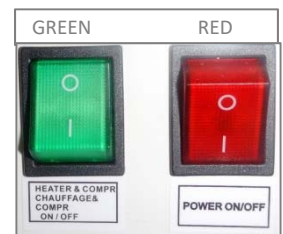
**⚠ WARNING! WL500 WATER TREATMENT SYSTEM IS A HEAVY OBJECT.**

Use proper lifting aids and handling techniques to avoid injury. Use assistance as single person lift could cause injury. Always drain before handling to reduce weight.

### Draining Notes

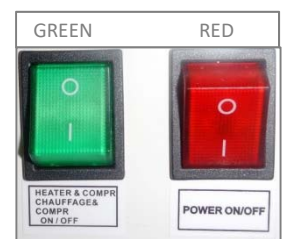
There are 3 tanks and a booster pump circuit that must be drained in the **WL500 Water Treatment System**. The cold still water circuit of the **WL500 Water Treatment System** consists of a 2-liter Cold Tank, a 1 liter pre-chill chamber and a booster pump circuit that is sealed and must be vented to drain. The booster pump will have some water in the circuit that must be purged to remove it. The Sparkling Chamber does not have a vent or drain port and must be dispensed until empty (pushing CO<sub>2</sub> gas only out of the faucet) to clear the water from the Sparkling Chamber. It is critical to clear the cold still water before draining the Sparkling Chamber to ensure the pump does not inject water back into the Sparkling Chamber. The Hot Tank has a drain port and is the only tank that is open to atmosphere through the vent and faucet.

Prior to draining the Hot Tank, turn the GREEN Compressor/Heater Switch off (*O=OFF*), and dispense 2 liters of hot water from the machine. As hot water is dispensed from the faucet of the unit, colder water will be introduced into the Hot Tank. Since the GREEN Compressor/Heater switch is turned off the heater will not energize and heat the incoming tap water. Following this precaution prevents exposing personnel and equipment (drains, catch basin, etc.) to scalding hot water.



### Disable Cold and Hot Tanks

1. Turn off the GREEN Heater / Compressor Switch to disable the heater and Compressor. *O=OFF*
2. Dispense 2 liters of water through the Hot Tank to cool the water temperature in the Hot Tank and avoid burns.



**⚠ WARNING! VERY HOT WATER CAN BURN OR SCALD.**

Hot water should be dispensed carefully into insulated container to avoid injury.

### Turn off Water Supply and Bleed Water Pressure

3. Isolate the unit from feed water by turning off the supply.
4. Dispense cold still water to relieve any pressure built up in the system.
5. Remove the water supply line from the unit.
6. Install dust cap or plug into water supply line bulkhead fitting.



### Drain the Cold Still Water Tanks and Circuit

7. Open front Hatch Panel by unscrewing the retaining screw in front of the faucet until it is flush with the faucet. Slide front Hatch Panel up and out.
8. Remove the UV light cover plate and access the UV Lamp and quartz sleeve.

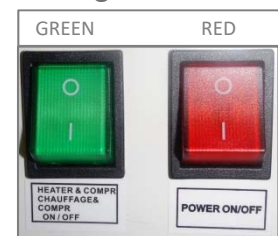
**⚠ WARNING! ULTRAVIOLET RADIATION.** *Protect your skin and eyes against ultraviolet rays. Never look directly at an operating UV light. Disconnect UV Lamp before removing.*

9. Unplug the UV Lamp and remove UV Lamp.
10. Remove the UV indicator sensor from the Quartz Sleeve retaining nut.
11. Unscrew the Quartz Sleeve retaining nut and remove Quartz Sleeve to vent the cold circuit.
12. Remove the Cold Tank drain line cap and drain the 2 liters into a container.
13. Remove the pre-chill drain line cap and drain the 1 liter of water from the pre-chill chamber and the booster pump circuit.
14. A total of 3 liters of cold still water will drain from the unit.

### Drain the Sparkling Water Chamber

15. Dispense all sparkling water out of the Sparkling Chamber through the faucet of the **WL500 Water Treatment System** into the drip tray (holds 1.5 liters) or other container until only CO<sub>2</sub> gas is dispensed. The Sparkling Chamber holds a maximum of 1 liter of water.
16. Release the dispense button and let the booster pump cycle on to inject any remaining water from the still water feed circuit and pump into the Sparkling Tank for 30 seconds.
17. Dispense sparkling water to clear any remaining water from the Sparkling Tank through the faucet until only CO<sub>2</sub> gas is coming out.

18. Turn off the RED Power switch (*O=OFF*). This will kill power to the pump ensuring that no water is injected back into the Sparkling Chamber and shut off the all Solenoid Valves. CO<sub>2</sub> should stop dispensing.



19. Turn off the CO<sub>2</sub> gas supply at the bottle (screw shut off valve all the way in).
20. Release gas pressure in the Sparkling Tank by opening (flipping up) the Pressure Relief Valve (PRV) on top of the Sparkling Chamber to vent the system. May remove top cover to access.
21. Remember to close the Pressure Relief Valve once all pressure is relieved.
22. Remove the CO<sub>2</sub> supply line from the unit.
23. Install dust cap or plug CO<sub>2</sub> gas inlet bulkhead fitting.

### Drain the Hot Water Tank

24. Remove the Hot Tank drain cap from the rear of the unit.
25. Drain 1.6 liters of hot water into suitable container.

### Reassemble the Unit

26. Reinstall all drain caps.
27. Reinstall the Quartz Sleeve.
28. Reinstall the Quartz Sleeve Retaining Cap firmly. Do not over tighten O-ring seal.
29. Reinstall the UV Lamp. Be careful not to touch UV Lamp surface as oils from your hands can cause dark spots and impact the performance of the system. Always wipe off lamp with alcohol wipe or equivalent if needed. Ensure lamp wires are not crossed and never force lamp into the sleeve to avoid damage.
30. Reconnect UV Lamp.
31. Reinstall the UV sensor into the Retaining Cap.
32. Reinstall top cover and the UV Lamp cover plate.
33. Ensure the front display PCB ribbon connectors are securely attached and completely seated to avoid problems.
34. Close front Hatch Panel and tighten the locking screw to secure.

## WL500 QUICK START INSTALLATION GUIDE

### Critical Requirements

Establish Food Grade [CO<sub>2</sub> Supply and regulate to 35-45 psi](#). This will produce optimum sparkling water and CO<sub>2</sub> concentration when combined with 46 F degree or cooler water. Regulate the [Water Supply to 40–60 psi](#). ALWAYS use a pressure regulator and leak protection when installing units.

- 1) Prior to setting up the **WL500 Water Treatment System** machine, open the knock-out on the back panel of the base cabinet to allow routing of the CO<sub>2</sub> pipe if using the base cabinet.
- 2) Unpack the **WL500** and set on top of countertop or base cabinet so that the side panels of the machine align with the side panels of the base cabinet.

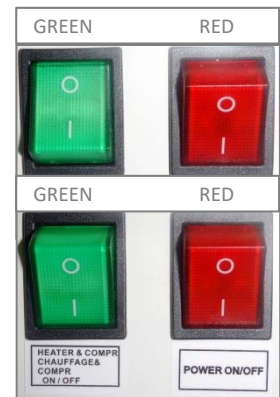
- 3) Secure the **WL500** to the base cabinet using the bolt provided in the base cabinet. Note that the connection point is accessed from the underside of the base cabinet. The bolt threads into the **WL500** base plate and locks the unit together.



Mounting Bolt Here

- 4) Install a regulator onto a 5lb or 10lb food grade CO<sub>2</sub> bottle and purge some gas from the bottle. Regulate output to 35-45 psi. Close the regulator outlet valve, and secure in place.
- 5) Route a ¼-inch pipe from the outlet fitting of the CO<sub>2</sub> regulator through the knock-out in base cabinet up to the CO<sub>2</sub> IN bulkhead fitting on the back of the **WL500**. Always secure the CO<sub>2</sub> bottle with a chain or strap to prevent tipping.
- 6) Establish 40–60 psi 0.5 gal/min potable water supply. Leak Protection is recommended.

- 7) Supply power to the **WL500**, and turn on the RED Power Switch *I = ON*. The GREEN Heater / Compressor switch MUST remain OFF (*O=OFF*) until the **WL500** tanks are filled or Hot Tank Overload will trip and require reset.



- 8) Fill the Hot, Cold, and Sparkling Tanks by dispensing until a solid stream of water flows from each. The Sparkling Tank will self-fill after the Cold Tank is filled. Once all tanks are full, turn the GREEN Heater / Compressor switch on to activate the heating and chilling systems (*I=ON*).

- 9) Slowly open and supply CO<sub>2</sub> to the **WL500** after all tanks are filled and air is purged from the system. This will ensure the sparkling pump will not time out after 10 minutes and create a “No Water Supply” error due to over pressure condition in the carbonation chamber.

- 10) Allow the unit to chill the water down to the 41°F set point and then regenerate the Sparkling Tank by dispensing the entire batch (0.8 liters) of sparkling water until only CO<sub>2</sub> gas flows from the faucet. Water must be cold (below 46°F) to generate premium tasting sparkling water. Do not set cold temperature below 41°F or freezing in the sparkling chamber may occur.

## **INSTALLATION PROCEDURES**

### **Safety and Installation Guidelines**

Ensure all Local, State, and Federal Laws and Codes including health and safety guidelines are met when installing **Waterlogic** Equipment. Only qualified service technicians should attempt installation and service of **Waterlogic** Equipment.

- ⚠ WARNING! ELECTRICAL SHOCK HAZARD.** *Always unplug (isolate from power supply) to prevent electrical shock except where electrical tests are specified.*
- ⚠ WARNING! IMPROPER SUPPLY OR CONNECTION CAN RESULT IN RISK OF SHOCK.** *Connect to a 15 amp 120V 60Hz properly grounded outlet (GFI is recommended). Ensure polarity is correct and always use a 3-prong outlet. Consult a qualified electrician if you have any questions.*
- ⚠ WARNING! USE ONLY Waterlogic SUPPLIED POWER CORD (WLCP PN 10-3007).** *Locate system within 5 feet of power supply. Never use an extension cord or adapter. Do not use a damaged power cord or plug. Keep power cord out of heavy traffic areas and away from heat sources. Do not, under any circumstances, remove ground prong or alter the power cord. Never pull the power plug from the outlet with a wet hand or allow the plug to get wet. Failure to use the supplied power cord will void UL Certification and Warranty.*
- ⚠ CAUTION! INDOOR USE ONLY.** *Never exposed to direct sunlight, heat sources, or ambient air temperature above 97°F (36°C) or below 50°F (10°C). 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 A WATER PRESSURE REGULATOR.** *Waterlogic will not be responsible for injury or damage caused by excessive water pressure. Operating pressure must be 40 psi to 60 psi. Be aware any of potential pressure surges caused by building/municipal pumping stations.*
- ⚠ CAUTION! USE UV STABILIZED SUPPLY LINES.** *Feed the unit with a potable ambient or cold-water supply only. Feed water over 105° F (40°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.*
- ⚠ WARNING! HIGH PRESSURE CO<sub>2</sub> GAS.** *Use/Handle in accordance with all safety standards.*
- ⚠ WARNING! STORE UNIT EMPTY. ALWAYS SANITIZE BEFORE USE.** *The unit must be completely drained and sealed before storing to avoid stagnation and reduce microbiological contamination (potential bacterial growth). Sanitize before use to eliminate any potential microbiological contaminants*

**WL500 Water Treatment System** can be combined with RO Filtration Systems. RO will require a drain connection. Refer to all applicable plumbing codes and standards in your area for these requirements (air gap connections and back flow prevention may be necessary).

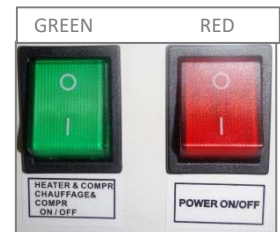
Pre-installation and sanitization procedures as prescribed in this manual must be performed before installing the **WL500 Water Treatment System**.

Always install indoors and place the **Waterlogic WL500 Water Treatment System** on a firm, flat and stable surface.

Attach the water supply line to the 1/4" feed water inlet bulkhead fitting on the back of the unit.

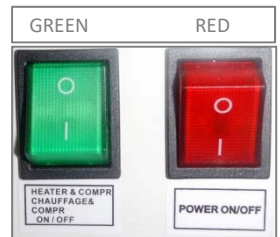
**Waterlogic** requires the use of a water pressure regulator. Water feed pressure must be between 40-60 psi. Turn on the water supply and check for leaks.

1. Check to ensure that both the RED Power Switch and the GREEN Heater / Compressor switches are in the O=OFF position. **NOTE:** Switches have internal LED that illuminates when placed in I=ON position.
2. Connect the power cord to the back of the **Waterlogic WL500 Water Treatment System** and to a 120 Volt supply.
3. Turn the RED Power Switch to I=ON position.



**⚠ CAUTION! NEVER TURN ON HEATER BEFORE FILLING HOT TANK.**

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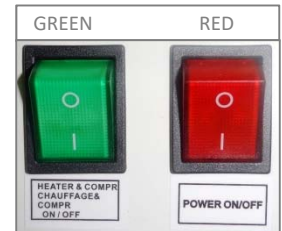


4. Prime the Cold Circuit. Holding a container under the dispensing faucet, press and hold the main dispensing button until a continuous flow of water is obtained. Once a continuous flow is obtained, release the dispensing button. Cold Tanks are now full.
5. Prime the Hot Tank. Holding a container under the dispensing faucet, press the hot button (Button 3) followed by the main dispensing button until a continuous flow of water is obtained. Once a continuous flow is obtained, release the main dispensing button. Hot Tank is now full.
6. Prime the Sparkling Circuit. Holding a container under the dispensing faucet, press the sparkling button (Button 2) followed by the main dispensing button until all water is dispensed and a continuous flow of gas is obtained. Once a continuous flow of gas is obtained, release the main dispensing button and the Sparkling Tank will regenerate itself.
7. Verify that the UV Lamp operates as expected (no alarm annunciated on the display).

**⚠ WARNING! ULTRAVIOLET RADIATION.** *Protect your skin and eyes against ultraviolet rays. Never look directly at an operating UV light. Always disconnect before removal.*

8. Press the cold button and dispense cold-water into the drip tray to test the alarm. Ensure that the drip tray alarm will sounds for 15 seconds, Drip Tray Fault is present on the LCD display, and the unit cuts off water supply. Empty the drip tray and wipe dry. While the drip tray is unattached from the front Panel dry the alarm sensor connectors. Carefully install drip tray to avoid damage to the metal sensor clips. Do not jam drip tray back into the unit and make sure it is properly seated.

9. Move the **Waterlogic WL500 Water Treatment System** into its final operating position. Be sure that a minimum of 2" clearance is maintained around both the sides and the back of the unit. This is important to allow proper airflow and heat exchange of refrigeration system.
10. Level unit using the adjustable feet to level if necessary. Never install on incline.
11. Turn the GREEN Heater / Compressor switch on *I=ON*. Check for fan and Compressor operation. This can be done by listening to the unit when the GREEN Heater / Compressor switch on *I=ON* and/or is turned on and/or visibly checking the fan. All tanks must be full.
12. Change the Temp Display to Ranging to monitor the cold and hot water temperatures in the tanks. After 15 minutes, the cold-water should drop approximately one degree every 1-1/2 minutes. The hot water will heat rapidly and should reach set point in 10 minutes.
13. When the unit has reached its Hot Temp Set Point, the heater will cycle off. When the unit has reached its Cold Temp Set Point Temperature, the Compressor will cycle off.
14. Once the unit is at the target temperature(s), sample the water to ensure water meets expectations and additional rinsing or adjustment is not required.
15. Regenerate the sparkling water by dispensing until a continuous flow of gas is obtained and release to let the pump inject cold-water (below 7.7°C / 46° F) into the chamber. This provides Premium Sparkling Water. Sample the sparkling water to ensure it meets expectation.
16. Check the unit for any leaks. External Leak Protection is always recommended.
17. If you choose, reconfigure the temperature display back to the original Static setting and Verify Default Program Settings (refer to Programming Instructions):



- **Cold Temp Set** = 41°F – Do not turn down as it may freeze the Sparkling Chamber.
- **Hot Temp Set** = 189°F – May need to be adjusted downward at high elevation.
- **Temp Display** = Static – Display's set point temperatures
- **UV Timer** = 3 minute - do not recommend using constant
- **F/C Set** = F -Fahrenheit Temperature Display
- **Language** = English
- **Flow Counter** = Disable by Using Filters Timer. DO NOT USE. See Filters Timer Note
- **Filters Timer** = NONE - See Filters Timer – Programming Note below
- **Filters Life** = 00 Days. Ensure it displays “Days” to confirm Filters Counter is disabled.
- **Energy Saving Sleep Mode** = On – Unit comes set with Energy Saving Sleep Mode On

#### **Filters Timer - Programming Note:**

Always enable the Filters Timer by selecting 3, 6, 9 Months or NONE. Enabling the Filters Timer will disable the Flow Counter and the Filters Life will be displayed in Days rather than Gallons.

**⚠ CAUTION!** NEVER ENABLE THE FLOW COUNTER. A "NO WATER SUPPLY" Fault will occur if the Flow Counter is Enabled.