

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.



CAUTION! DRIP TRAY DRAIN.

If you intend to provide a drip tray drain for your customer, be aware that you will be called multiple times per month to service and unclog the tubing leading away from the drip tray to drain. Users will clog the drain with paper clips, erasers, napkins, tea bags, gum, and various other intended items. Waterlogic recommends you establish a minimum of weekly visits to the machine for cleaning of the drip tray drain.

Materials Needed:

- Personal Protective Equipment. Rubber or Nitrile Safety Gloves and Protective Eyewear
- Phillips Screwdriver
- Temperature Gage
- 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. Unpack the **Waterlogic WL200 Water Treatment System** and check exterior for damage.

Sanitizing

Sanitize using a Household Bleach (5.25% Sodium Hypochlorite 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).

2. Put 1 teaspoon 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) in the Sanitizing Cartridge. Always ensure sanitizer is compatible with stainless steel and acetyl plastic.

3. Connect sanitizing cartridge to inlet water supply and connect to inlet bulkhead fitting on back of unit. Turn on water supply.
4. Connect power to **WL200 Water Treatment System**. DO NOT TURN ON RED POWER SWITCH AT THIS TIME O = OFF.



Fill the Cold Circuit with Sanitizer

5. 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!

6. Turn off water supply and remove Sanitizing Cartridge from inlet water supply. Reconnect water supply to inlet bulkhead fitting.

Flush Filters

⚠ CAUTION! **FILTER FLUSH REQUIRED.**

WL200 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 the filters to perform as represented and to provide the best quality water possible, it is essential that filters be replaced periodically. The frequency of filter 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.

7. Flush thoroughly per filter manufacturers' recommendation with fresh water to drain.
8. Once flushed, install the filters. Following the flow direction on the filter.

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

9. Connect **WL200 Water Treatment System** to power.

Flushing the Sanitizer from the Machine

10. Place a pitcher, catch basin, or other container under the faucet of the **WL200 Water Treatment System**.
11. 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.
12. Once the sanitizer odor/taste has been flushed out of the cold side of the machine the sanitization process for the Cold Circuit is now complete.

WL200 COUNTER TOP DRAINING INSTRUCTIONS

Draining Notes

Drain the **WL200 Water Treatment System** for transportation.

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

Disable Cold Tank

1. Turn off the Red Power Switch to disable compressor. *O = OFF*

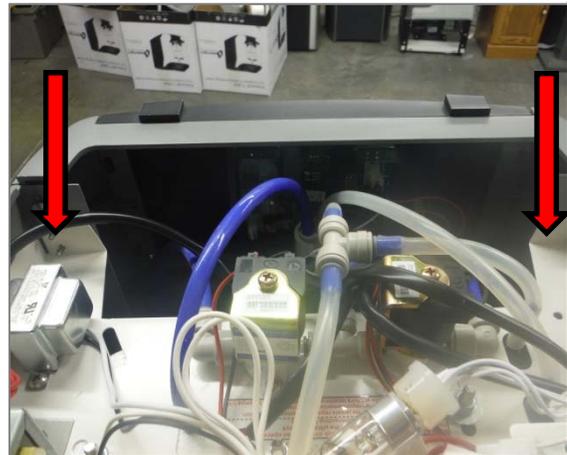


Turn off Water Supply and Bleed Water Pressure

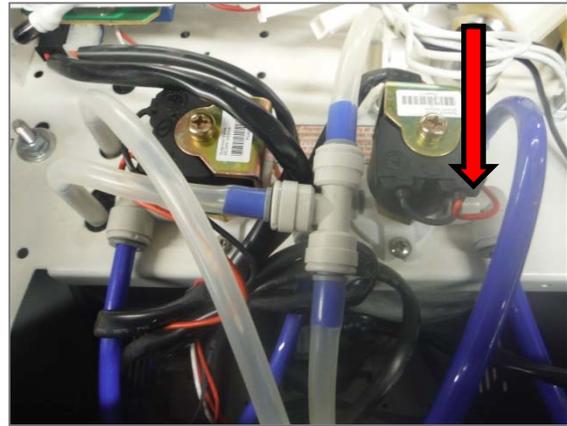
2. Isolate the unit from feed water by turning off the supply.
3. Dispense cold still water to relieve any pressure built up in the system.
4. Remove the water supply line from the inlet line bulkhead fitting at back of machine.
5. Install dust cap or plug into water supply line bulkhead fitting.

Drain the Cold Water Tank and Circuit

6. Remove top cover.
7. Remove front panel. Remove 2 Phillip screws securing front panel. Unseat faucet assembly from panel. Unclip wires from PCB.



8. Disconnect tubing from inlet elbow from solenoid and allow water to drain.



9. Reconnect tubing into inlet elbow,



10. Dry inside of unit.

11. Replace front panel.

WL200 TOWER DRAINING INSTRUCTIONS

Draining Notes

Drain the **WL200 Water Treatment System** for transportation.

- ⚠ WARNING!** **STORE AND TRANSPORT UNIT EMPTY. ALWAYS SANITIZE BEFORE USE.**
The unit must be completely drained before storing to avoid stagnation and reduce microbiological contamination (potential bacterial growth). Always sanitize before use to eliminate any potential microbiological contaminants.

Disable Cold Tanks

1. Turn off the Red Power Switch to disable the compressor. *O = OFF*

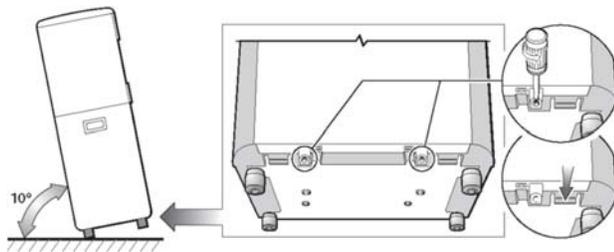


Turn off Water Supply and Bleed Water Pressure

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

Drain the Cold Water Tank and Circuit

6. Remove lower front panel to access tank feed lines.



7. Disconnect tank line feed line from cold inlet solenoid to drain into basin or catch.



8. Reconnect tubing into inlet elbow once drained.
9. Dry inside of unit if necessary.
10. Replace lower front panel.

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.** 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 expose to direct sunlight, heat sources, or ambient air temperature above 37°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 26.7°C (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 37°C (100°F) 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! STORE AND TRANSPORT 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

Pre-installation and sanitization procedures as prescribed in this manual must be performed before installing the **WL200 Water Treatment System**.

Always install indoors and place the **Waterlogic WL200 Water Treatment System** on a firm, flat and stable surface.

1. 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.

2. Check to ensure that the Red Power Switch is off. *O=OFF*



3. Connect the power cord to the back of the **Waterlogic WL200 Water Treatment System** and to a 120 Volt supply.
4. Fill the Cold Tank. Hold 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 tank is now full.
5. Move the **Waterlogic WL200 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.
6. Level unit using the adjustable feet to level if necessary. Never install on incline.
7. Turn the Red Power Switch on. *I=ON*.



8. When the unit has reached its Cold Temp Set Point Temperature, the compressor will cycle off.
9. 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.
10. Check the unit for any leaks. External Leak Protection is always recommended.