PRE-INSTALLATION

⚠ **DANGER!** ***ELECTRICAL SHOCK HAZARD.***
*Only qualified personnel who have read and understand this entire manual should attempt to install, or service this **WL50CT Water Dispenser**, 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 10 feet in length, and assorted ¼" quick connect fittings
- TDS Meter and Test Strips for measuring chlorine – Optional

1. Unpack the ***Waterlogic WL50CT Water Dispenser*** and check exterior for damage.

   ⚠ **CAUTION!** ***FILTER FLUSH REQUIRED.***
   WL50CT Water Dispensers *are supplied with filters. 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 of flow rate and/or pressure or an unusual taste in the water.*

2. Flush filters thoroughly per filter manufacturers' recommendation with fresh water to drain. More details are provided in the **Filter Flushing** section further down.
   NOTE: Filters should not be flushed prior to 24 hours before installation to limit Microbial Growth inside of filters.

NOTES ON INSTALLATION

1. Do not install the product at the following locations:
   - Near Fires
   - Near Flammables
   - In Humid Places
   - In front of air conditioners
   - Where exposure to rain or snow is possible
   - Outdoors or in direct sunlight
   - Near chemicals (volatile materials, organic solvents, etc.)
   - Near toilets
   - Anywhere the temperature may fall below 50°F.
2. Use source water within following quality range:
   - Water pressure: 50-70psi
   - Water temperature: 39-100°F (4-38°C)
   - Turbidity: 0.5 NTU or less
   - pH: 5.8-8.5
   - Hardness: 300ppm or less
   - Water Quality: Water quality meeting the Drinking Water Quality standard

   *Please consult your distributor if source water quality is out of the specified range.
   *The warranty will be void if the product is connected to source water that is out of the specified range.
   *This product is not equipped with internal filtration. It is intended to be connected only to a potable water source.

3. When transporting the product, do not tilt it more than 45° from vertical.
   *Severe tilting can cause a performance degradation.

4. Install the product on a flat surface and adjust the level of the unit using a level gauge.
   *If the product is tilted more than 3°, overflow may occur.

5. Source water should not be above 100°F (38°C)
   *Hot water may cause performance degradation or system failure.

6. Keep the sides and rear of the unit at least 5 inches (127mm) away from walls or other objects for ventilation.

7. Do not bend the source water or drain hose or place heavy objects on them.
   *If either are blocked, the water will not flow smoothly to and from the unit, and may cause performance degradation.

8. Do not place any heating system near the rear of the unit.

9. The power supply, source water, and drain must be directly connected to the unit.

INSTALLATION

Before starting the installation, any filters being used to filter the source water for the unit must be flushed. This is important to rinse any loose carbon or debris from the filters so that it does not plug another filter or membrane or end up inside the unit. DO NOT install and setup the unit before flushing the filters.

Once the filters have been flushed or "rinsed", installation can begin. Listed below are the steps to properly install and begin use of the ***Waterlogic WL50CT Water Dispenser.***

1. To begin, you will need a ¼" LLDPE tube connecting the unit to a water supply, connected to the "Water In" port on the back of the machine, and connect the unit to power using the supplied power cable. It is recommended to install a ¼-turn valve just before the unit to easily turn the water on and off. If using an RO filter configuration, the RO Drain port should be connected using the same tubing to a drain connection. Make sure the Hot Tank Power Switch on the back of unit is OFF.

2. If not already done during the filter flushing process, remove the right-side panel of the unit. Two screws down at the bottom of the panel must be removed. Then, lift the lower lip of the panel and pull outward. The panel should hinge outward, and then come away from the unit completely. Set this panel aside. Turn the water to the unit on.

3. Check for any leaks on or around the filters and all connections. Check for any drips or puddles in the bottom of the unit. Ensure the leak stop is dry and in the downward position.

4. Once flow is established, water will make its way through the filter system and up to the Cold Tank, and flow downward into the Hot Tank. The Cold Tank will fill halfway first, and then the Hot Tank will begin to fill.

5. Remove the top cover. To do this remove the two screws at the back of the top cover, slide the cover backwards, and lift away from the unit. Shut off the water supply and remove the lid of the Cold tank.

6. Add the recommended amount of an approved sanitizing agent to the water inside the cold tank and gently mix. Allow this mixture to sit in the tank for at least 10 minutes. After 10 minutes has passed, position a bucket or large container under the white drain cap on the back side of the unit. Remove the cap to this drain port and allow the sanitizing agent and water mixture to drain into the bucket. With a pitcher ready, dispense cold water until the tank is empty.

7. Once the tanks have completely drained, cap the drain port, and open the water supply line to allow water to fill the tanks once more. Once full, open drain again and dispense cold water until the tanks are empty. Repeat this step one more time for a total of three flushes.

8. Cap the drain port and turn the water supply on. Place the tank lid back into position and allow the tanks to fill for the fourth and final time. Once the tanks are full, and using the touch sensors on the front panel, dispense both hot and cold water to ensure flow from tanks.

9. Once flow from both tanks is verified, turn ON the switch on the back of the unit labeled “Hot Switch”. This will enable the hot tank functionality and begin heating the water in the hot tank.

10. Return any panels still off the unit to their original positions and reinstall the screws used to hold them in place. The unit is now ready for use. The hot water will need about 15-20 minutes to reach the desired temperature, and the cold tank will need about 30-40 minutes to reach desired temperature. Move unit into final position, with at least 3” of clearance from walls on any side facing a wall.

11. Finally, perform a taste test of the water from the cold side. The water should be flavorless with no aftertaste. If any taste is detected, the unit may require more flushing of the tanks.

12. Take a TDS reading of the product water as well. TDS should fall around a 95% rejection rate of the incoming water supply for RO.
((TDS Supply – TDS Product)/TDS Supply x 100 = % Reduction)
There is no significant drop in TDS for standard carbon filtration or UF Filtration. If, reduction is significantly less than 95%, the RO filtration system should be inspected for proper function.