



pure water from thin air

5.28 Gallon/20 Liters Per Day Atmospheric Water Generator

User's Manual

Important: Please read all instructions before connecting your appliance into a power supply.

Important: Do not throw away this manual.

Note:

When the new machine is used for the first time, check the drain plug at the bottom of the machine from the rear of the machine to see if it has fallen off. If it cannot be found after being removed, please install the attachment in the machine information belt.

Thank you very much!!

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**THE APPLIANCE MUST BE IN AN UPRIGHT POSITION
FOR 24 HOURS BEFORE BEING PLUGGED IN.**

1. INTRODUCTION

Congratulations, you can now make pure water from thin air! There s no installation, just plug it into any 220V/110V power source and follow the instructions in this manual. The machine will begin making, filtering and storing hot and cold water made from the air up to 20 liters every day. It s easy to operate, environmentally friendly, healthy and does not use our increasingly scarce groundwater resources.

2. SAFETY NOTES

1. The electrical outlet must be equipped with reliable and proper grounding.
2. Do not remove the grounding prong from the power cord.
3. Do not use an extension cord or power adapter.
4. Do not use damaged power cords or plugs.
5. Always unplug the power cord before maintenance.
6. Do not insert or unplug the power cord with wet hands.
7. Do not share the electrical outlet with other appliances.
8. Always use replacement and maintenance parts supplied by the manufacturer.
Failure to do so will void the warranty.
9. Prior to moving the appliance, unplug the power cord and empty the water from all of the tanks.
Do not tilt the appliance more than 20° during moving. If the appliance is tilted more than 20 degrees, it must remain unplugged for at least 24 hours before plugging it back in.
10. Avoid prolonged eye exposure to the ultraviolet (UV) lamp.
11. The hot water is dispensed at 180°F (82°C). Avoid contact with skin.
12. CAUTION: UV Light Source Disconnect the electrical source of supply to the UV radiation before opening cover.
13. CAUTION – TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, USE INDOORS ONLY. SEE INSTRUCTIONS.
14. Keep the appliance away from any toxic gases or liquids.
15. Various countries, laws and regulations including, but not limited to, WEEE and RoHS, require that all used electronic products (which includes ultraviolet lamps) must be recycled/disposed-of separately from normal household waste in order to optimize reuse and recycling.

3. PRECAUTIONS

1. Place the appliance at least 12 inches (30 cm) from any wall or other structure.
This appliance is not designed for outdoor use.
2. Keep the appliance in an upright position.
3. Place the appliance in an area so that it will not be bumped. Otherwise, water may spill from lower tank and cause an E5 error.
4. Operating voltage must not drop below 10 percent of standard power supply or the appliance may become noisy or possibly overheat. If this occurs, unplug the appliance until the voltage returns to normal.
5. Although there is a hot water safety lock, small children should not use the appliance without adult supervision.
6. If the appliance is going to be exposed to below freezing temperatures, all of the water in all tanks and filters must be drained, and the appliance must be unplugged.
7. Do not place any object on top of the appliance.
8. Good ventilation is required to ensure optimal performance.

4. HOW THE MACHINE WORKS

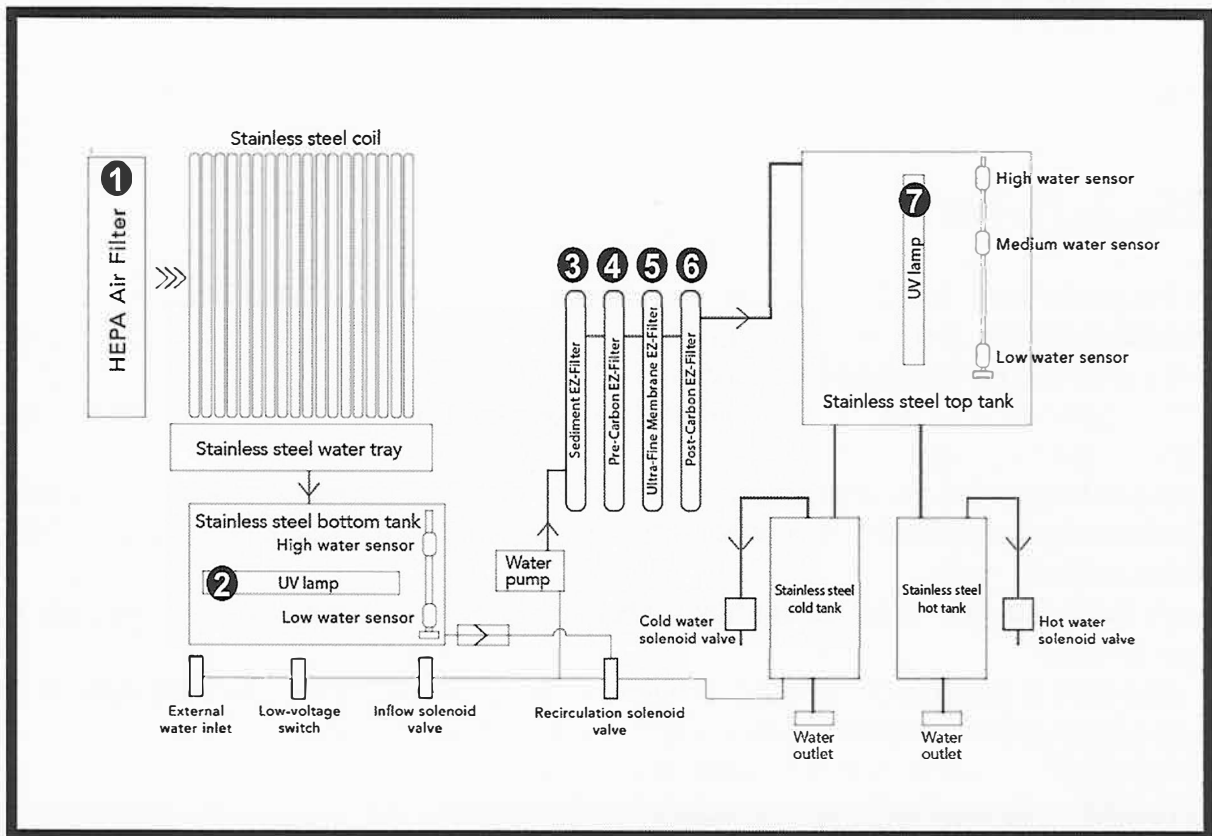
The machine is a luxury appliance that uses a 7-stage EZ-Filter process in order to create purified great great tasting water from the air.

The appliance first draws in air through the **1** HEPA air filter which eliminates micro particles and dust from entering the appliance. The water vapor in the air then comes into contact with the stainless steel coils that have been cooled down using a compressor and coolant, converting the vapor into its liquid form through the condensation process. The water drips into an ABS thermoplastic water tray and then flows into a stainless steel lower tank that contains a **2** LED UV to eliminate bacteria and microorganisms.

Using state-of-the-art micro pumps, the water is then pumped through the remaining filters, including a **3** sediment filter that eliminates particles over 5 microns in diameter, a **4** pre-carbon filter containing activated carbon and coconut shell to polish the water, an **5** ultra fine membrane filter that eliminates particles as small as 0.01 microns in diameter, followed by a **6** post-carbon filter to further polish the water.

The water then flows into a stainless steel upper tank containing a second **7** LED UV to ensure there are no bacteria or microorganisms left in the water. Within the upper stainless steel reservoir, there are two stainless steel tanks. One of these tanks heats the purified water to 180°F while the other chills the water to 43°F.

Flowchart (Including filter numbers)



5.PERFORMANCE CONDITIONS

The atmospheric water generator produces up to 5.28Gal/20Liters per day of purified great tasting water from the air. The amount of water produced will vary based upon relative humidity and temperature, with the most efficient operation occurring at over 40% and 75°F respectively. At lower levels, the machine will produce purified great tasting water, but at lesser volumes. Overall operating ranges are relative humidity 28%-90%,temperature 59-113°F. Please note that in some locations, the best time to produce water will be at night (due to higher relative humidity levels).

6. FEATURES

1. Microcomputer

The microcomputer controls the water generation, collection, filtering, storage, heating, cooling, and dispensing of the water that this appliance makes from the air.

2. Electronic Sensors

Numerous electronic sensors control the UV lamps, temperatures, water levels, energy efficiency, maintenance, safety and other functions.

3. Energy Saving Sensors

Numerous energy saving sensors control the process of making water from the air so that the appliance operates efficiently.

4. Hot Water Lock

The hot water lock prevents accidental dispensing of hot water from the appliance.

5. Venturi Fan

The venturi fan is designed to provide maximum efficiency and reduced noise levels.

6. Water Leakage Detector

In case of water leakage, the appliance will stop functioning automatically and display E5 on the control panel.

7. Water Hose Kit

Using the water hose kit, you can connect directly to the water tap faucet or pipe input which allows the appliance to also function as a water purifier by utilizing the filtration and sanitization systems. (See water hose kit for further installation instructions).

8. Hot Switch

In order to produce hot water, ensure the hot (red) switch is flipped to the on position (UP). Switch will need to be on for at least 30 minutes in order to dispense hot water.

9. Cold Switch

In order to produce cold water, ensure the cold switch (black) is flipped to the on position (UP). Switch will need to be on for at least 30 minutes in order to dispense cold water.

8. **7-Stage EZ-Filter Process**

With the seven stage EZ-Filter system, air is drawn through a HEPA Air Filter. Water vapor in the air makes contact with the stainless steel coils and condensation occurs, producing water that then goes through the remainder of the 7-stage EZ-Filter process producing up to 20Liters of purified great tasting water per day with no chlorine, fluoride, lead, or other harmful ingredients.

- ① **HEPA Air EZ-Filter**
Prevents micro-particles and dust from entering the appliance.
- ② **Bottom Tank LED UV EZ-Filter**
Eliminates bacteria and other microorganisms.
- ③ **Sediment EZ-Filter**
Eliminates particles over 5 microns in diameter.
- ④ **Pre-Carbon EZ-Filter**
Activated carbon and coconut components to polish water.
- ⑤ **Ultra-Fine Membrane EZ-Filter**
Eliminates particles as small as .01 microns in diameter.
- ⑥ **Post-Carbon EZ-Filter**
Activated carbon and coconut components to further polish the water.
- ⑦ **Top Tank LED UV EZ-Filter**
Eliminates bacteria and other microorganisms.

9. **Water Recirculation**

Our exclusive technology ensures that stored water remains fresh and purified by recirculating it through the internal water filters every three hours.

10. **Overheat Protector**

The overheat protector will automatically shut of the appliance if it detects overheating.

11. **Refrigerant Leakage Protection**

The refrigerant leakage protector will automatically shut of the appliance if it detects a refrigerant leak.

7. SETTING UP

**THE APPLIANCE MUST BE IN AN UPRIGHT POSITION FOR
24 HOURS BEFORE BEING PLUGGED IN.**

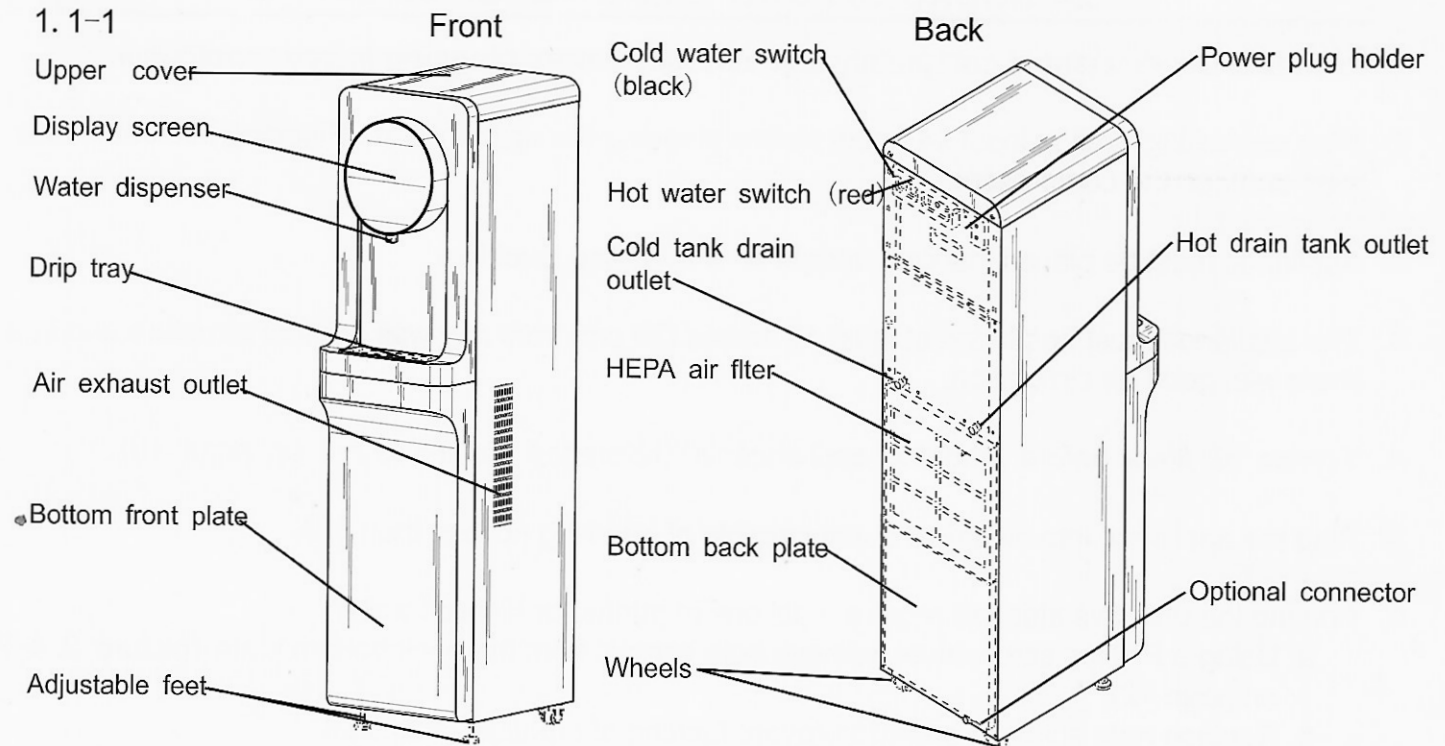
Read this User's Manual completely and carefully before plugging in your appliance.

1. After unpacking, wait at least 24 hours before plugging the appliance in. Plugging in immediately may damage the compressor.
2. Appliance must be placed indoors, upright on a solid and level floor.
3. The appliance must be placed at least 12 inches (30 cm) from any wall or other structure and in a room with good air circulation.
4. Tighten all filters before plugging appliance in (reference picture 2.2-4 on page 10).
5. Plug the appliance into electrical outlet capable of handling no less than 10A.
6. Priming the unit; this step will require 3 gallons of purified or distilled water.
 - a. Using a Phillips screwdriver, remove both screws from the back bottom plate (picture 2.4-2 on page 12).
 - b. Replace right screw in order to prevent flashing of number 2 filter light.
 - c. Carefully grab bottom tank handle and pull out halfway towards you without interfering with tubes and wires (picture 2.4-3 on page 12).
 - d. Slowly fill the lower storage tank with purified or distilled water.
 - e. Allow lower tank to drain at least half way and then fill tank again; repeat this step until 3 gallons of distilled or purified water have been dispensed into the appliance.
 - f. Carefully replace the bottom tank and back bottom plate.
 - g. Allow up to three hours for the water recirculation process to occur.
7. Remove the plastic film from the control panel display. The appliance is now ready for use.

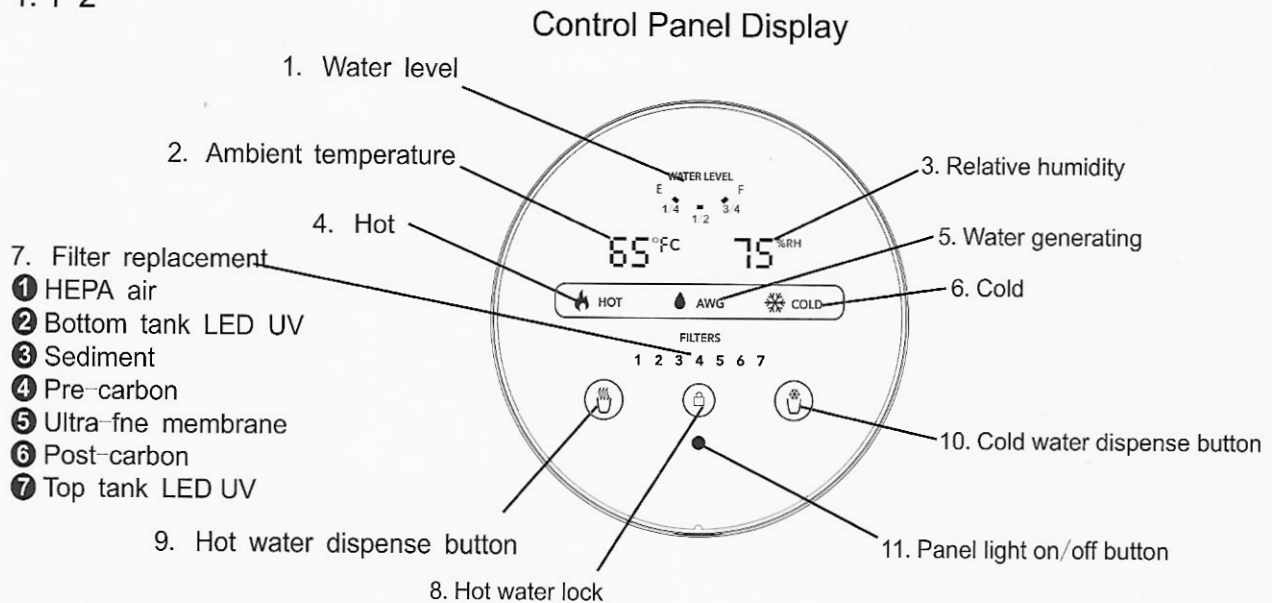
8. OPERATING

Read this operation manual completely and carefully before plugging in your appliance.

1. Appliance Layout



1. 1-2



1. Water Level

Displays the amount of water in stainless steel storage tanks.

Please note that the water level gauge will show "F" indicating that upper tanks are full. The appliance may continue to run in water generation mode until the bottom collection tank is full.

2. Ambient Temperature

Displays the temperature (°C/°F) surrounding the appliance.

3. **Relative Humidity**

Displays the relative humidity surrounding the appliance.

Please note that this appliance will typically begin to generate water between 28 and 32 percent humidity.

4. **Hot**

Hot icon will flash when water is being heated and remains on when hot water tank is full.

5. **Water Generating**

AWG icon turns on when water is being made.

6. **Cold**

Cold icon will flash when water is being cooled and remains on when cold water tank is full.

7. **Filter Replacement**

Filter number light will flash when it is time to change the corresponding filter.

8. **Hot Water Lock**

The hot water lock button must be pressed once prior to dispensing hot water.

9. **Hot Water Dispense**

After the hot water lock button has been pressed, press and hold the hot water button to dispense.

10. **Cold Water Dispense**

Press and hold the cold water button to dispense.

11. **Panel Light On/Off**

Press panel light button to turn display screen on or off.

Please note that water cannot be dispensed while display is off.

9. DISPENSING WATER

1. The appliance will dispense purified great tasting water after the water level gauge has reached the 1/4 mark.
2. The hot and cold switches need to be on for at least 30 minutes to dispense water at specified temperatures of 43°F (cold) and 180°F (hot).
3. To dispense cold water, press and hold the cold water button
4. To dispense hot water, the hot water lock button must be pressed once prior to dispensing hot water. After the hot water lock button has been pressed, press and hold the hot water button to dispense.
5. Please note that hot and cold water are only available when hot and cold switches are in the on position.

10. REPLACING EZ-FILTERS

The machine makes purified great tasting water from the air by following the recommended EZ-Filter replacement schedule. The front display has a set of numbers (1-7). These numbers notify you when it is time to replace a filter and which one to replace. Below is the recommended timing for replacing filters.

- ① HEPA Air EZ-Filter (Every 3 months)
- ② Bottom Tank LED UV EZ-Filter (Every 12 months)
- ③ Sediment EZ-Filter (Every 6 months)
- ④ Pre-Carbon EZ-Filter (Every 6 months)
- ⑤ Ultra-Fine Membrane EZ-Filter (Every 12 months)
- ⑥ Post-Carbon EZ-Filter (Every 12 months)
- ⑦ Top Tank LED UV EZ-Filter (Every 12 months)

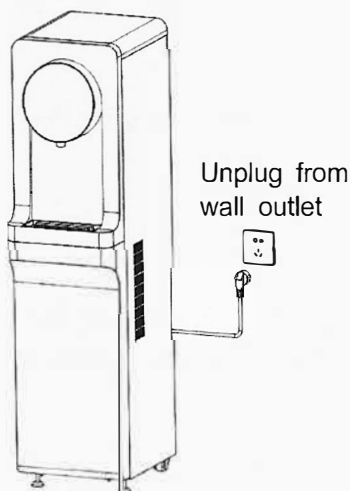
Resetting the flashing filter light

To reset a flashing filter light: Hold the control panel light button for 3 seconds, then use either the hot or cold water dispense button to select the appropriate flashing filter light. Once you have the correct flashing filter light selected, press the hot water lock button.

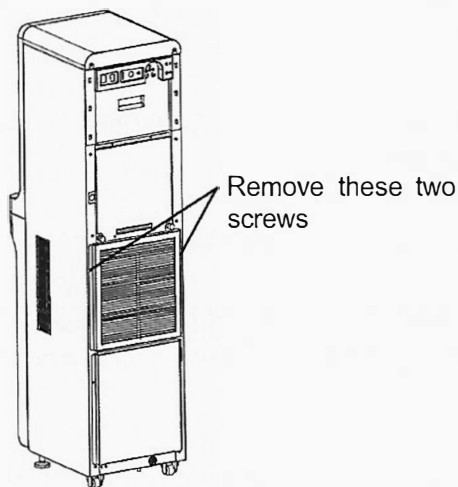
1. HEPA Air EZ-Filter Replacement

- a. Unplug the appliance from the wall outlet (picture 2.1-1).
- b. Using a Phillips screwdriver, remove both screws from the filter bracket (picture 2.1-2).
- c. Remove used HEPA Air EZ-Filter from the filter bracket (picture 2.1-3) and replace it with a new HEPA Air EZ-Filter. Be sure the white tag on the HEPA Air EZ-Filter is facing towards the inside of the appliance before screwing the filter bracket back in place.
- d. Reset flashing filter light (see "Resetting the flashing filter light," page 9).

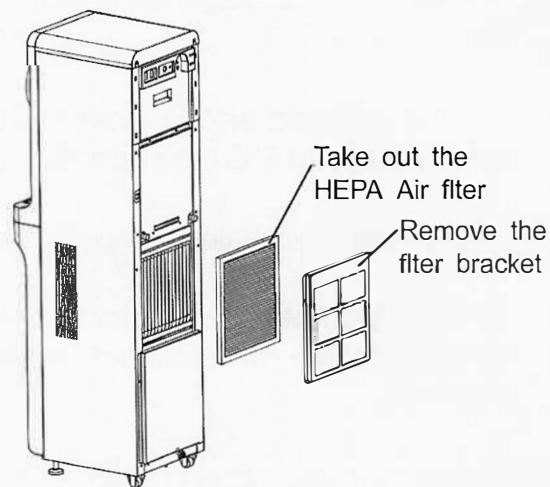
2.1-1



2.1-2



2.1-3

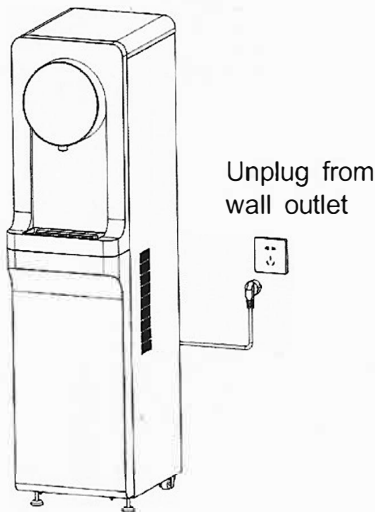


2. Water Filter Replacement (Replacing Filters 3-6)

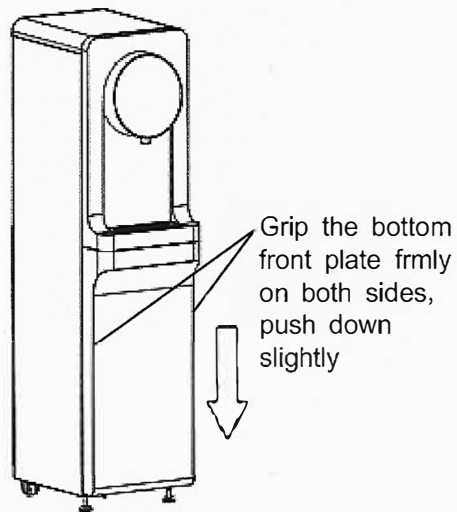
- a. Unplug the appliance from the wall outlet (picture 2.2-1).
- b. Grip the lower face plate firmly on both sides, push down slightly while pulling outward from the top to remove (picture 2.2-2, picture 2.2-3).
- c. To remove filters #4-6, rotate clockwise (as per arrows on filters) and pull down (picture 2.2-4).
- d. Install the new filter by pushing upwards and rotating counterclockwise.
- e. To remove filter #3, rotate counterclockwise and pull upward.
- f. Install the new filter by pushing down and rotating clockwise.
- g. Replace face plate.
- h. Reset flashing filter light (see "Resetting the flashing filter light," page 9).

Note: It is recommended to replace filters one-by-one.

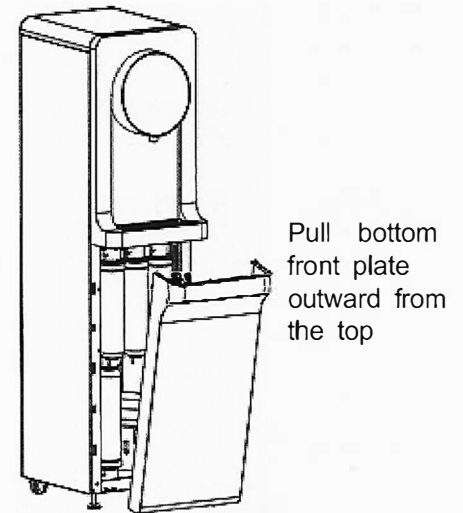
2.2-1



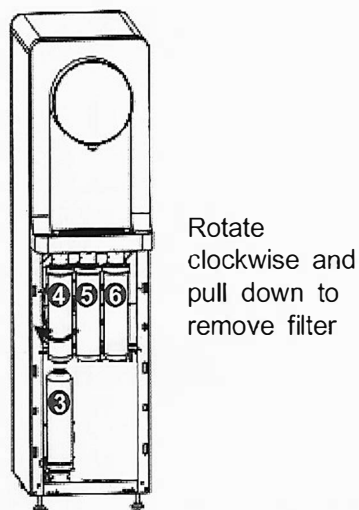
2.2-2



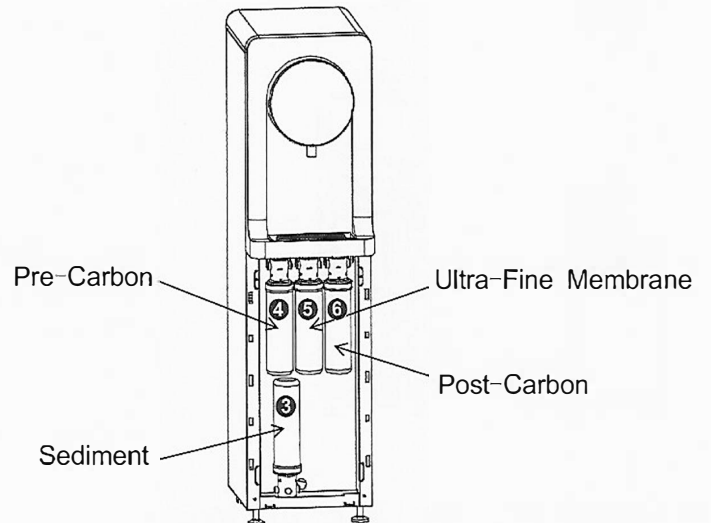
2.2-3



2.2-4



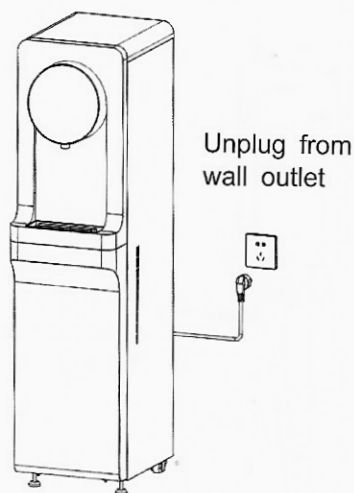
2.2-5



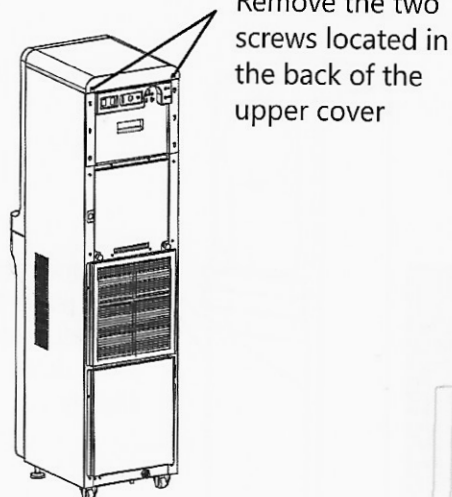
3. Top LED UV Replacement

- a. Unplug the appliance from the wall outlet (picture 2.3-1)
- b. Using a screwdriver, remove both screws from the back of the upper cover (picture 2.3-2)
- c. Remove the upper cover by pulling up and backwards
- d. Remove four screws with a screwdriver and remove the front upper panel and front lower panel (picture 2.3-3)
- e. Use screwdriver to remove the fixed screws before and after the left side plate and remove the left side plate (picture 2.3-4)
- f. Remove the tank cover mounting screw with a screwdriver and remove the tank cover (picture 2.3-5)
- g. Loosen the LED-UV screw nut with the movable wrench, remove the LED-UV and replace it with a new LED-UV (picture 2.3-6)
- h. Restore all removed parts
- i. Reset flashing filter light (see "Resetting the flashing filter light," page 9)

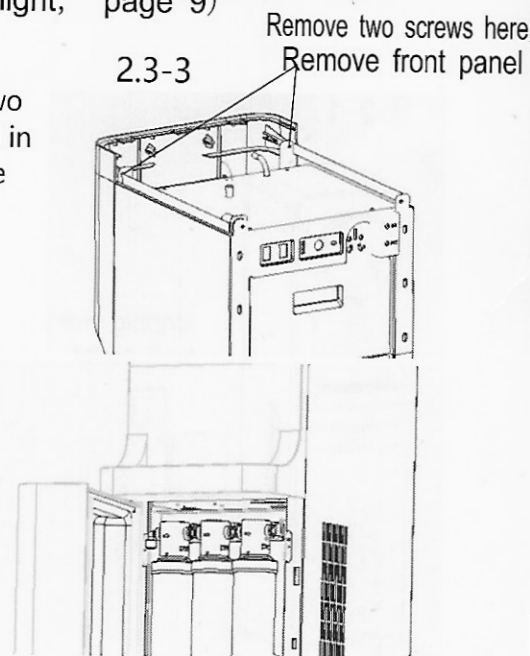
2.3-1



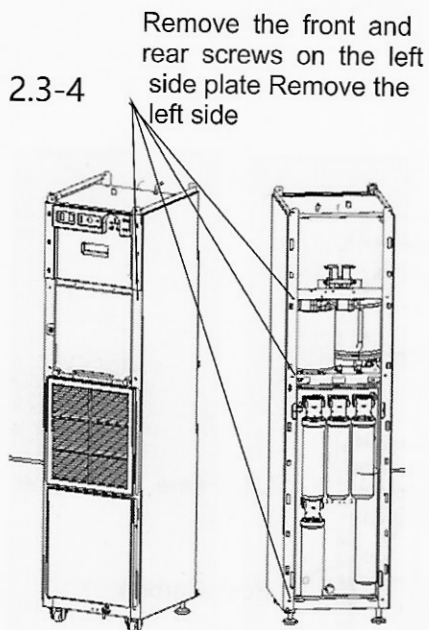
2.3-2



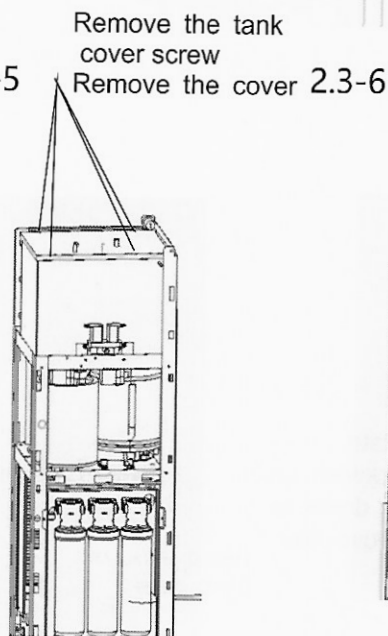
2.3-3



2.3-4

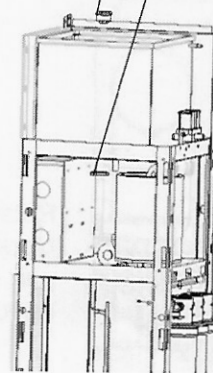


2.3-5



LED-UV

Fixed nut

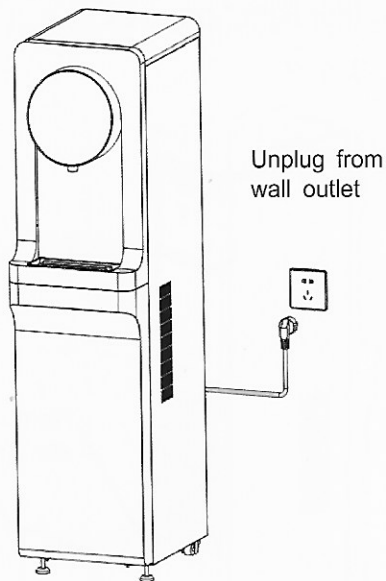


*** Various countries, laws and regulations including, but not limited to, WEEE and RoHS, require that all used electronic products (which includes LED ultraviolet lamps) must be recycled/disposed of separately from normal household waste in order to optimize reuse and recycling. ***

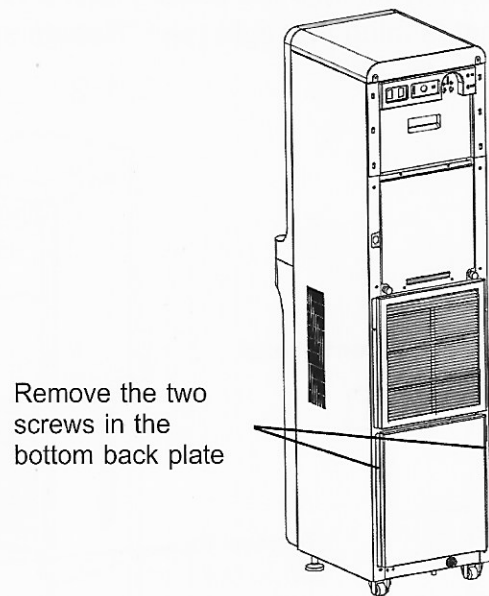
4. Bottom Tank UV Lamp Replacement

- a. Unplug the appliance from the wall outlet (picture 2.4-1)
- b. Using a screwdriver, remove both screws from the back bottom plate (picture 2.4-2)
- c. Carefully grab bottom tank handle and slowly pull out towards you; without interfering with tubes and wires, empty remaining water from bottom tank (picture 2.4-3)
- d. Loosen the LED-UV screw nut with the movable wrench, remove the LED-UV and replace it with a new LED-UV (picture 2.4-4)
- e. Carefully replace the bottom tank and back bottom plate
- h. Reset flashing filter light (see "Resetting the flashing filter light," page 9)

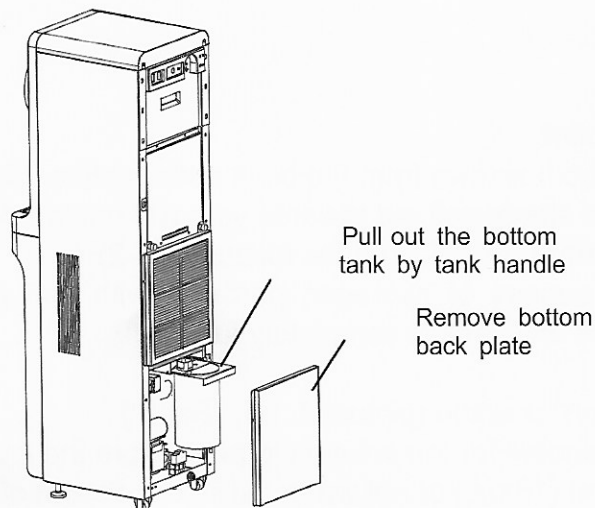
2.4-1



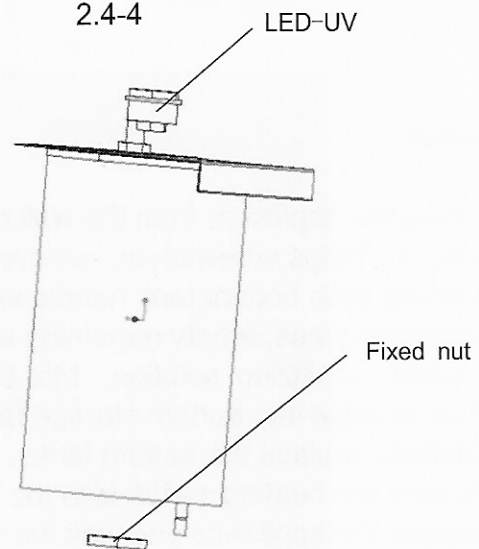
2.4-2



2.4-3



2.4-4



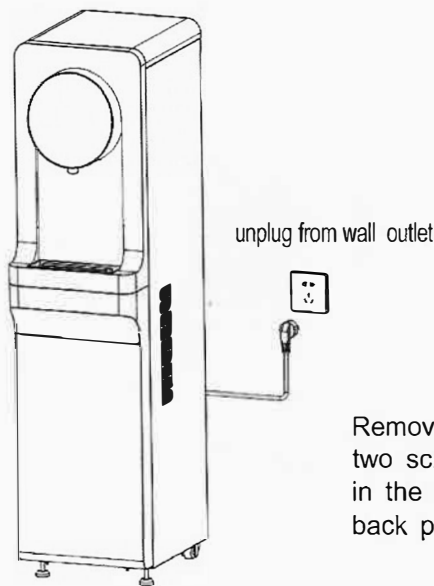
11. CLEANING AND SANITIZING

12. Always keep the appliance clean by using a soft damp cloth.
13. Do not use cleaning agents to clean the stainless steel tanks.
14. If appliance will be turned of for more than two days, drain water from all tanks and filters.
15. If the appliance is turned of for over a one week period, filters should be changed and the appliance should be sanitized.

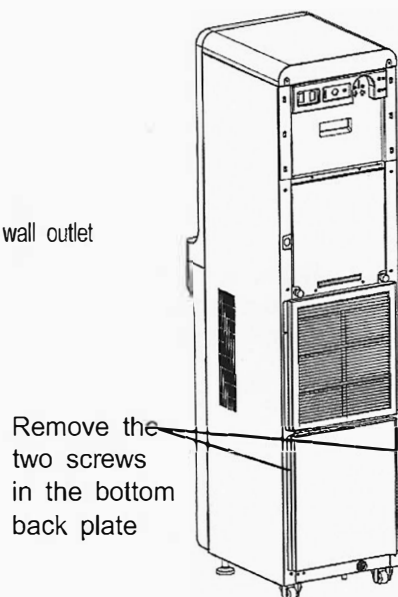
16. Cleaning the Bottom Tank

- a. Unplug the appliance from the wall outlet (picture 3. 1-1).
- b. Using a Phillips screwdriver, remove both screws from the back bottom plate (picture 3. 1-2).
- c. Carefully grab bottom tank handle and slowly pull out towards you; without interfering with tubes and wires, empty remaining water from bottom tank (picture 3.1-3).
- e. Wipe the tank walls with a clean, soft damp cloth.
- g. Place the UV lamp back into the tank receptacle and screw UV lamp cover back into place.
- h. Carefully replace the bottom tank and back bottom plate.
- i. Reset flashing filter light (see "Resetting the flashing filter light," page 9).

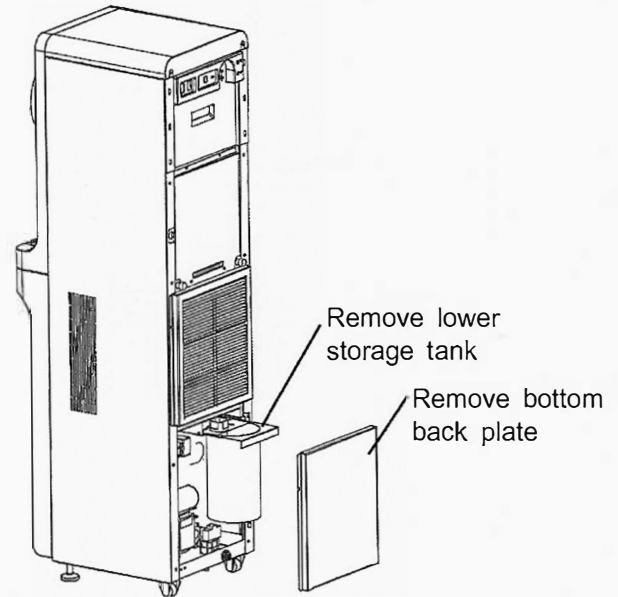
3. 1-1



3. 1-2



3. 1-3



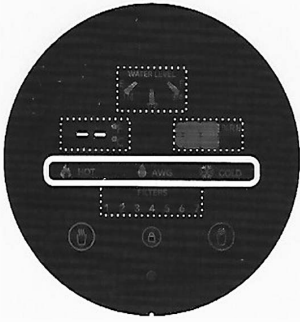
2. Sanitization

- a. Unplug the appliance from the wall outlet.
- b. Using a Phillips screwdriver, remove both screws from the back bottom plate (picture 3. 1-1).
- c. Carefully grab bottom tank handle and slowly pull out towards you; without interfering with tubes and wires, empty remaining water from bottom tank (picture 3.1-2).
- d. Prepare sanitizing solution: Mix 5 ounces of hydrogen peroxide with one gallon of water. Pour solution into bottom storage tank until tank is completely full.
- e. Carefully replace the bottom tanks.
- f. Be sure the heating switch is in the "on" position (picture 1.1-1, "Back").
- g. Connect the appliance and wait five minutes for the solution to pump from the lower tank to the upper tank. Then dispense 500 ml (16 oz.) of hot water (be sure to dispose of this water). Keep remaining solution in top tank for two hours or more.
- h. Drain all tanks and water filters.

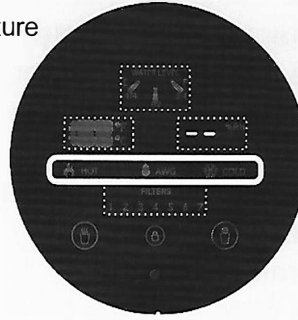
12. DRAINING

13. Turn hot and cold water switches to the "off" position (picture 1.1-1, back).
14. Dispense all hot water using hot water dispense button.
15. Dispense all cold water using cold water dispense button.
16. Unplug the appliance from the wall outlet.
17. Unscrew one plastic drain cover at a time (have large container to immediately catch water as water can be stored for consumption).
18. Remove rubber plug and completely drain tank.
19. Repeat step 6 for second tank.
20. Replace plugs and drain covers.
21. Remove bottom front plate (pictures 2.2-2 and 2.2-3).
22. Remove all filters (please note filters will have water inside them and will drip. Be sure to quickly turn over the #3 Sediment filter).
23. Replace the bottom front plate.

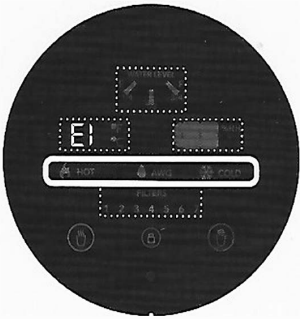
13. TROUBLESHOOTING



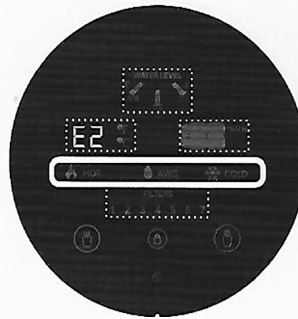
-- °C/°F = Error with temperature sensor.



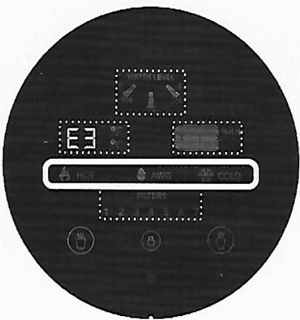
-- %RH = Error with relative humidity sensor.



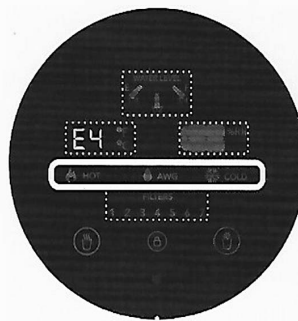
E1 = Error with defrost sensor.



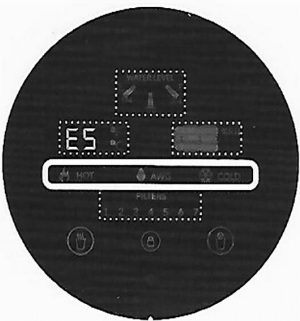
E2 = Error with hot water temperature sensor.



E3 = Error with cold water temperature sensor.



E4 = Error with cooling system low pressure protection. Possible refrigerant leak.



E5 = Error, possible water leak.

14. TECHNICAL SPECIFICATIONS

a. Dimensions

430*300*1154cm / 17"(L)*11.75"(W)*45.5"(H)

b. Electrical

Power Supply	220V 50Hz/110V 60Hz
Power Input	970W
Heating Wattage	500W
Generating Power	470W

c. Production Data

Working Temperature	15-45°C / 59°F - 133°F
Working Humidity	28% - 90%
Water Storage Capacity	20 liters / 5 gallons
Temperature of Hot Water	82°C / 180°F
Temperature of Cold Water	6°C / 44°F

<https://www.GreenTechnologyGlobal.com>