EcoloBlue™ Life & Energy

Atmospheric Water Generator

Mineral Water or Sparkling Water form the Humidity in the Air

Operation Manual

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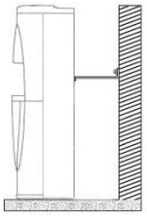
NOTICE: The EcoloBlue Life & Energy Atmospheric Water Generator Model 30/30S is intended for **residential or small office (15 or fewer users) use only**. Any other use will void the manufacturer's warranty.

INTRODUCTION

Thank you for purchasing the EcoloBlue Atmospheric Water Generator. This Atmospheric Water Generator is a state-of-the-art water generating machine using the latest technology available to the industry. We designed your Atmospheric Water Generator with one objective in mind: produce the maximum amount of high quality drinking water using only a minimum amount of electricity. In addition to atmospheric water production, the machine can also be used as a conventional water purifier by connecting it to an external municipal (city) water source.

SAFETY

WARNING!		Never tamper with, damage or remove the grounding/earthing terminal on the power cord plug.
		The duplex outlet to which the Water Generator is connected should be equipped with reliable grounding (earthing) protection.
		Do not use an extension cord, extension adaptor, or grounding adapter with the Water Generator.
		Do not use the Water Generator if it's electrical plug or power cable have been damaged. Assure there are no knots in the power cord.
		Always unplug the power cord before performing **any** maintenance on your unit.
		Do not connect the Water Generator to a circuit operating other high power consuming appliances, such as a toaster, hot plate or refrigerator.
		Do not insert or unplug the power cord with wet hands or while in contact with another grounded device, appliance, or radiator.
		Operating voltage must not drop below 10% of standard Power supply. When the unit operates below this level, the unit becomes noisy and may overheat. **If this occurs, immediately switch the unit off until the voltage returns to normal.**
		If there is any damage to the power cables (crushing or abrasion), the cables must be repaired or replaced by an authorized person before use is continued.
		Always protect the unit from contact with poisonous gas, vapors or liquids.
		When moving the machine, unplug the power cord and empty all water from the machine's tanks.
		Contents under high pressure. Handle with care! • Do not drop the cylinder, throw it, or carry it in a way that it may strike objects or surfaces while being carried. • Do not throw the cylinder or allow the cylinder to roll off, or fall from, a table, counter, or other surface. • Store in a cool location, **away from sunlight and all heat sources**. Keep cylinder cool at all times, but do not refrigerate. • Do not store near explosives, gasoline or other fuels, chemicals, or flammable substances or goods.

 **WARNING!**		Avoid prolonged direct eye exposure to the ultraviolet (UV) devices in this machine, as UV light can damage the eye. Do not look at the bulb.
 **WARNING!**		**Keep small children away from the Water Generator. Children playing with the HOT dispensing knob can result in scalding injuries!**
 **CAUTION!**		Do not tilt or tip the machine more than 20° from (vertical) plumb when moving the machine.
		Operate the unit only when it is on a solid floor and properly leveled in the vertical or standing position.
		If installed on an uneven surface, a shim, fixer or other leveling device(s) must be used and be properly adjusted to ensure proper and safe operation.
		Do not place the unit too close to the wall. Best performance is obtained when the unit is placed at least 12 inches (30 cm) from the wall. 
		Do not place any object on top of the machine. Good ventilation is required to ensure optimum performance.
		Never install or attempt to use the Water Generator outdoors, even if an awning or covered space is available. This model of Water Generator is not designed for or warranted for operation outdoors, regardless of whether it will be fitted by the owner with a cover.
		Avoid exposing the unit to direct sunlight.
		If the ambient temperature of the installation location is anticipated to fall below 32°F (0°C), be certain to completely drain all water and unplug the machine in order to prevent damage to the machine caused by freezing. Similarly, empty and unplug the Water Generator if it will not be used for 5 (FIVE) or more consecutive days.
		Always use the correct replacement and maintenance parts specified by the manufacturer. Failure to do so may void the warranty.
		Do not use any other water supply lines, tubing or hoses other than those supplied by the manufacturer.

WARRANTY

Disclaimer of Implied Warranties; Limitation of Remedies

Implied warranties, including, to the extent applicable, warranties of merchantability or fitness for a particular purpose, are excluded to the extent legally permissible under the laws of the user's jurisdiction. Any implied warranties that may be imposed by law are limited to one year, or the shortest period allowed by law. Some states and Canadian provinces do not allow limitations or exclusions on the duration of an implied warranty of merchantability or fitness. In such locations, the above limitations or exclusions may not apply to you.

If this product fails to perform as warranted, customers' sole and exclusive remedy shall be repair or replacement, according to the terms of the limited warranty of EcoloBlue, Inc. EcoloBlue, Inc. does not assume any responsibility or liability for incidental or consequential damages arising or resulting from the use of the EcoloBlue Life & Energy Atmospheric Water Generator, Model 30/30S. This warranty gives you specific legal rights; you may also have other rights, which vary from state to state or province to province.

MODEL 30/30S GENERATOR DESCRIPTION

How the Atmospheric Water Generator Works

The Atmospheric Water Generator is a humidity and temperature-driven machine. This means the machine's ability to generate water depends entirely on the level of humidity and atmospheric temperature. To achieve optimum performance, the indicated relative humidity should be at least 50% or more. In regions with lower humidity levels, the machine will produce water at a slower rate and with less volume than that of a higher humidity environment. In a residential environment, higher levels of humidity tend to be found in kitchen areas, near bathrooms used for bathing, near open windows (in warmer weather), or in more spacious rooms.

This unit also performs well in an air-conditioned room or house. Because air-conditioning reduces relative humidity, it is recommended to open the window at night to increase the humidity in the room.

Because the Atmospheric Water Generator works by converting humidity in the air to water, this unit also acts as an effective dehumidifier.

To ensure high quality of the drinking water produced, the Atmospheric Water Generator utilizes multiple filtration technologies (see below).

When the air is dry and cold, water generation may become slow and inefficient. It is recommended that the machine be connected to a municipal water supply allowing the machine to serve as a water purifier using its filtration system.

Key features of the Atmospheric Water Generator

Energy Saving Features

To conserve electricity, electronic sensors have been placed in the storage tanks to automatically stop the heating, cooling and production capacity of the machine when they have reached their desired levels or settings.

Child-Resistant Hot Water Lock out

The hot water lockout is to prevent accidental operation which may result in from scalding/burning upon touching the water or water nozzle.

Ultraviolet Filter treatment

The ultraviolet lamps help to sanitize and prevent growth of bacteria and other microorganisms in the system. The UV sanitization process is automatically controlled by the microprocessor.

Multi-Stage Filtration System

EcoloBlue's high-quality, great tasting water is the result of our unique multi-stage filtration system.

1. LF2 Carbon Filter or Nanometer Molecular Sieve
   Removes ammonia, chlorine residues, organic compounds, soil particles, dirt, etc.
2. Lower tank UV Lamp
   Impedes contamination and growth of bacteria and other microrganisms in the lower storage tank.
3. Sediment filter
   Removes micro-particles to protect the water pump.
4. Pre-Carbon Filter I
   Removes organic compounds, free chlorine, heavy metals, etc.
5. Pre-Carbon Filter II
   Removes organic compounds, free chlorine, heavy metals, etc.
6. Reverse Osmosis Membrane
   Removes dangerous bacteria, viruses, mineral salts, heavy metals, organic compounds, etc.
7. Post-Mineral Filter
   Adds minerals to water removed by the Reverse Osmosis Membrane
8. Post-Carbon Filter
   Removes volatile organic compounds and improves water taste and smell.
9. Top Tank UV Sanitizing
   Minimizes bacteria levels in the upper "allotment" tank to the least possible number.
10. Water Output UV Sanitizing
    Ensures clean and safe water is dispensed from the cool water tank.
11. Bottom Tank UV Sterilization
    Minimize bacteria level in bottom tank to the least amount.
12. Molecular Sieve Faucet Filters
    The Nozzle is equipped with three molecular sieves (screens) to trap any fine particles that may be suspended in the water.

Water Recirculation or "Reflux"

Our patented reflux technology ensures that stored water does not sit for long in any one tank. This helps the water remain fresh, clean and impedes secondary pollution during storage.

Novel and Attractive Cabinet Style

The EcoloBlue Atmospheric Water Generator has a smaller and sleeker design compared to other Generators on the market. The unit is more compact and more versatile.

Soda Water Output

The EcoloBlue Model 30S includes the ability to have carbonated soda water at your fingertips at any time with two carbon dioxide (CO2) cylinders housed within the unit.

Components of the Atmospheric Water Generator

Refer to Figures 1 and 2 for more information.

Microcomputer

The unit is equipped with a microcomputer that helps control the systemic operation of internal parts and mechanisms. The computer regulates water temperature and water level settings.

Electronic Sensors

Electronic feedback and control sensors are attached to many of the machines components and storage tanks- These sensors ensure that important parts are working properly, that water levels are correct and serve to warn you in the event of a malfunction, leak or performance irregularity.

Venturi Fan

The newly designed Venturi-type fan increases production efficiency and greatly reduces noise during operation.

Water Leakage Detector

In case of any unexpected water leakage, the machine will automatically stop operating and shutdown. A warning sound (three beeps) will occur and a "warning" sign will flash on the display.

Condensing coils

The condenser is designed with a special food-contact grade coating to prevent any direct metal contact with the water and to improve water production efficiency.

Electrostatic Air Filter

The electrostatic air filter effectively prevents micro-particles and dust from entering the machine, as well as deterring formation of slime and fungal growth introduced to the machines by the outside environment

Overheat Protector

In case the hot water tank overheats during the heating process, the overheat protector will automatically shut off the heating device.

CO2 Cylinders

Model 30S includes two CO2 cylinders located in the upper cabinet that provide soda water when selected. Only one cylinder is used at a time which allows an empty cylinder to be replaced before running out of soda.

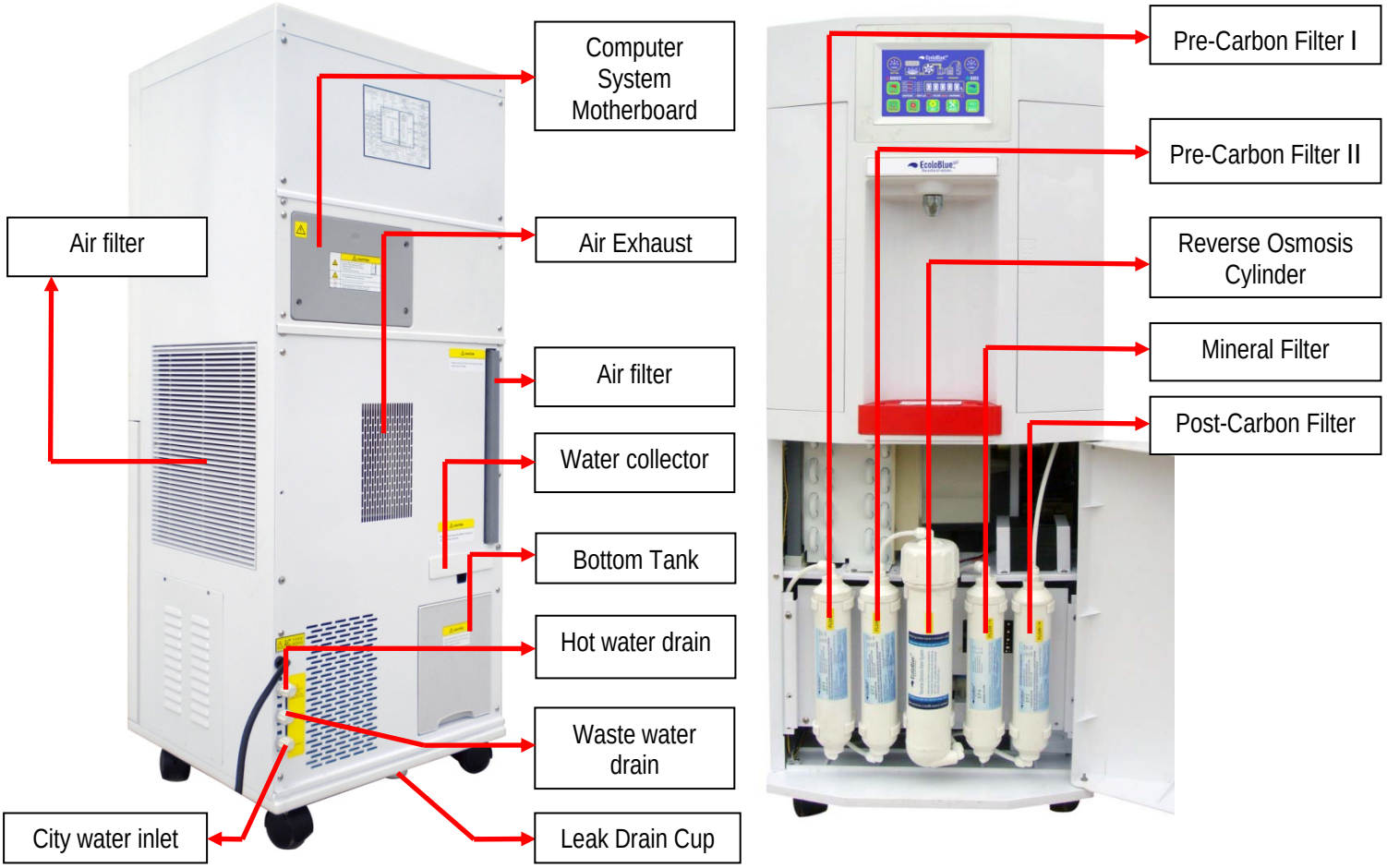


Figure 1

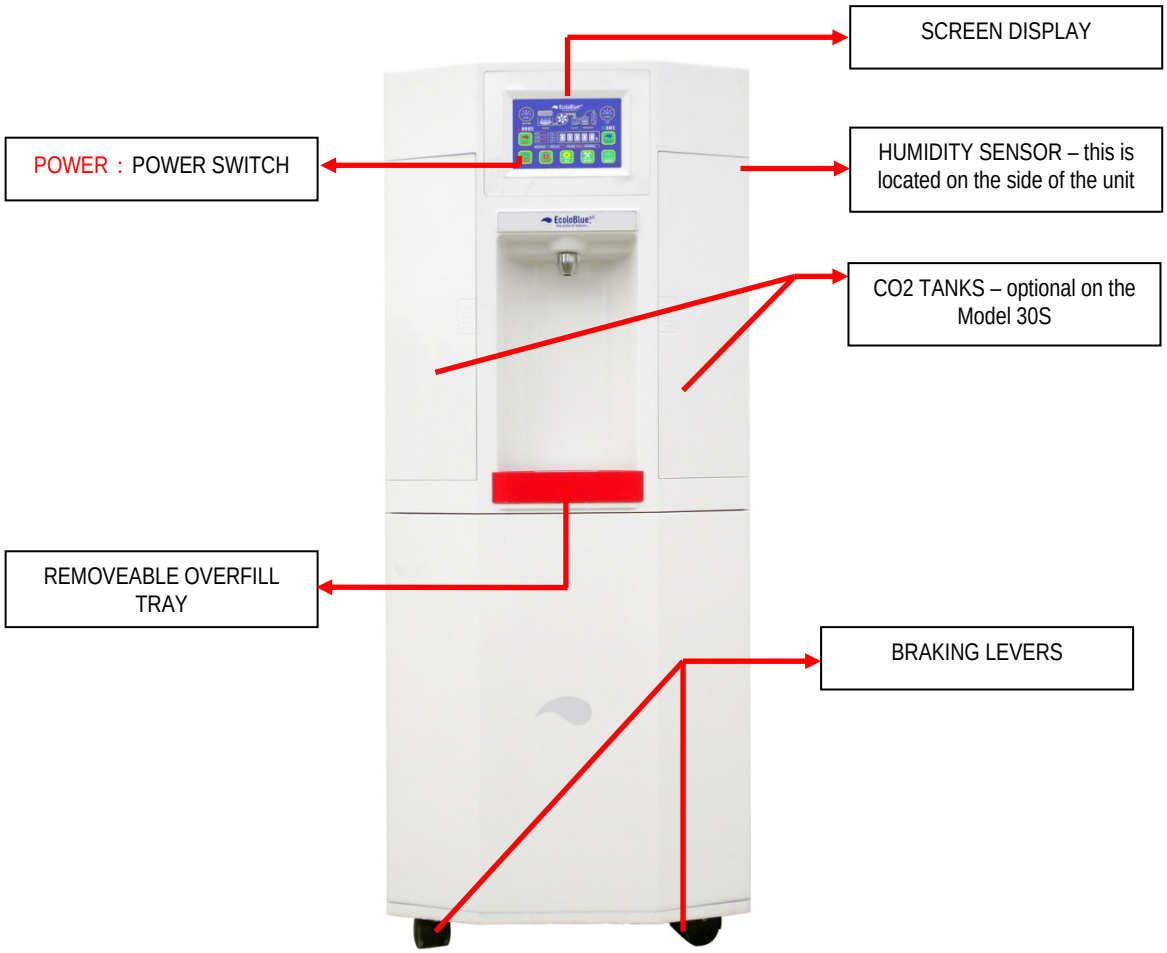
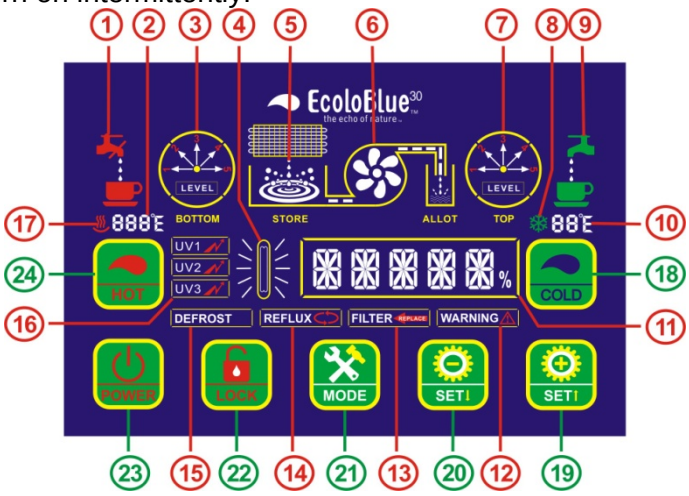


Figure 2

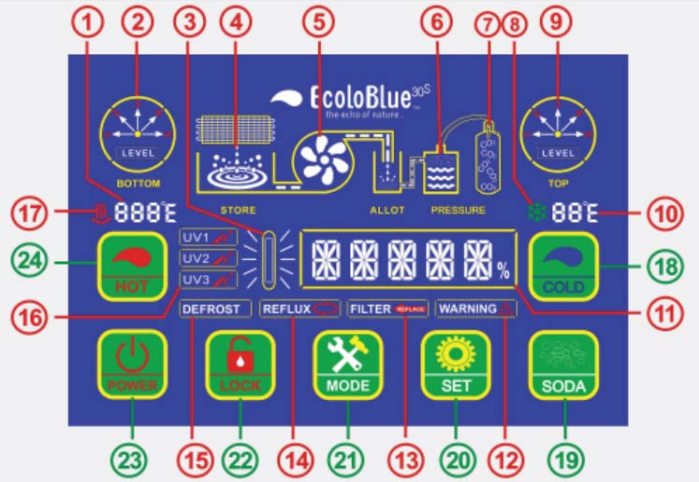
Display Description – Model 30

For the display, a lightning bolt icon lit (not flashing) generally indicates that the UV bulbs are on and a lightning bolt icon NOT lit means the UV bulbs are NOT ON . An icon flashing generally requires a user response, but not always(refer to troubleshooting). These UV bulbs are NOT constantly on. They turn on intermittently.



1. **Hot Water Take Out Icon –** the indication is blinking when dispensing the hot water
2. **Hot Temperature Icon –** Lightly press or tap the C/F key to switch water temperature display between Centigrade and Fahrenheit.
3. **Water Level Indication Bottom Tank –** The higher level is displayed, the more water in contains.
4. **UV Warning Icon –** This icon will flash when one of the UV is on fault.
5. **Water Generation Icon –** The unit is generating water when this icon flashes.
6. **Booster Pump Icon –** The pump is working when this icon flashes.
7. **Water Level Indication Top Tank –** The higher level is displayed, the more water in contains.
8. **Cooling Icon -** Cooling function is activated when the icon is lit. A flashing icon indicates a changing temperature
9. **Water Level Icon Top Tank –** the icon shows the level of water in the tank.
10. **Cold Water Temperature Icon –** Lightly press or tap the C/F key to switch water temperature display between Celsius and Fahrenheit.
11. **Room Humidity, Temperature and Time Icon –** Display the current relative humidity. Hold down "COOL" button to check the current temperature on condenser.
12. **Water Leakage Warning Icon –** System is detecting of water leakage when this icon flashes.
13. **Filter Replace Warning –** Normally the icon stays lit. When it flashes, the filters needs to be replaced.
14. **Water Recirculation/Reflux Icon –** Water cycling between top or bottom tank is occurring when this icon flashes.
15. **Defrost Icon –** The unit is in the defrosting process when this icon flashes (frost can occur because of low temperature and or dry air in some areas).
16. **UV Warning Icon –** This icon will flash when one of the UV is on fault.
    1 – UV1: UV Warning Icon for Top Tank – This icon will flash when the top tank UV fails to operate.
    2 – UV2: UV Warning Icon for Inline UV – This icon will flash when the inline UV fails to operate.
    3 – UV3: UV Warning Icon for Bottom Tank – This icon will flash when the bottom tank UV fails to operate
17. **Heating Icon –** Heating function is activated when the icon is lit. A beep and then a flashing icon indicates a change in temperature is occurring.
18. **Cold Water Out Icon –** the indication is blinking when dispensing the cold water.
19. **Soda Water Icon –** the icon is blinking when soda water is being dispensed
20. **Adjust Function Icon –** press the button to select the various modes.
21. **Forward Function Selection Icon –** Upward the status when entering into the setting mode.
    Backward function Setting button – Downward the status when entering into the setting mode.
22. **Hot Water Lock Icon –** Press and hold until you hear a beep to "UNLOCK" the hot water dispense.
23. **Power On/Off Icon –** start-up or shut off the machine when press the button
24. **Hot Water Take Out Icon – When flashes, the hot is UNLOCKED.** Press the button to dispense the hot water.

Display Description – Model 30S



1. **Hot Water Temperature –** the indication is blinking when dispensing the hot water.
2. **Water Level Indication Bottom Tank –** The higher level is displayed, the more water in contains.
3. **UV Warning Icon –** This icon will flash when one of the UV is on fault.
4. **Water Generation Icon –** The unit is generating water when this icon flashes.
5. **Booster Pump Icon –** The pump is working when this icon flashes.
6. **Water Level Indication Soda Tank –** The higher level is displayed, the more water in contains.
7. **CO2 Injection Icon**
8. **Cooling Icon -** Cooling function is activated when the icon is lit. A flashing icon indicates a changing temperature.
9. **Cold Water Take Out Icon –** press the button to dispense the cold water.
10. **Cold Water Temperature Icon –** Lightly press or tap the C/F key to switch water temperature display between Celsius and Fahrenheit.
11. **Room Humidity, Temperature and Time Icon –** Display the current relative humidity. Hold down "COOL" button to check the current temperature on condenser.
12. **Water Leakage Warning Icon –** System is detecting of water leakage when this icon flashes.
13. **Filter Replace Warning –** Normally the icon stays lit. When it flashes, the filters needs to be replaced.
14. **Water Recirculation/Reflux Icon –** Water cycling between top or bottom tank is occurring when this icon flashes.
15. **Defrost Icon –** The unit is in the defrosting process when this icon flashes (frost can occur because of low temperature and or dry air in some areas).
16. **UV Warning Icon –** This icon will flash when one of the UV is on fault.
    1 – UV1: UV Warning Icon for Top Tank – This icon will flash when the top tank UV fails to operate.
    2 – UV2: UV Warning Icon for Inline UV – This icon will flash when the inline UV fails to operate.
    3 – UV3: UV Warning Icon for Bottom Tank – This icon will flash when the bottom tank UV fails to operate
17. **Heating Icon –** Heating function is activated when the icon is lit. A beep and then a flashing icon indicates a change in temperature is occurring.
18. **Cold Water Take Out Icon –** press the button to dispense the cold water.
19. **Soda Water Dispenser Icon -** press the button to start the co2 injection process. After 60s, press the button to dispense the sparkling water.
20. **Adjust Function Button –** Enter the menu, choose function and make adjustments.
21. **Function Mode Selection Icon –** to select the various modes.
22. **Hot Water Lock Icon –** Press and hold until you hear a beep to "UNLOCK" the hot water dispense.
23. **Power On/Off Icon –** start-up or shut off the machine when press the button.
24. **Hot Water Dispenser Icon – When flashes, the hot is UNLOCKED.** Press the button to dispense the hot water.

Additional Display Options and Settings for 30/30S

 (23)	Pressing the button softly to start up or shut down the machine
 (22) +  (24)	Pressing and HOLDING the LOCK button after a beep sound. Then press the HOT button to dispense the hot water.
 (18)	Pressing the COLD button to dispense the cold water.
 (19) (30s option)	First time dispense the sparkling water. The first press SODA button to water fill up in mixing tank. Watch the animation between 6 & 7 icons as the pressure gets mixed. After the animation has STOPPED, press the SODA button again for CO2 injection. Then press to dispense the sparkling water.
 (21) +  (20)	Press and hold on the MODE button to enter the function mode selection menu after a beep sound. Then press the MODE button to select the various functions and shift by SET button. 1. **-**: Real time display. Press and hold the SET button to enter the sub-menu after a beep. Then press the SET button to adjust the HOUR. Switch to the Minutes by press Mode button and ajust the MINUTE by SET button. Press and hold the SET button to shift to HOUR 2. T-ON/OFF: Pre-set automatic machine ON/OFF. Press the SET button to shift pre-set on or off. The timing can be adjust on the status of T-ON. The timing can not be adjust on the status of T-OFF. On the status of T-ON, to enter the menu No3 and No.4 by press the MODE button. On the status of T-OFF to enter menu No.5 by press the MODE button. 3. **-**: Pre-set automatic water generation started. Press and hold the SET button to sub-menu. To change the HOUR by pressing SET button. Switch to MINUTE by pressing the MODE button and change the MINUTE by SET button 4. **/** : Pre-set automatic water generation stopped. Press and hold the SET button to sub-menu. To change the HOUR by pressing SET button. Switch to MINUTE by pressing the MODE button and change the MINUTE by SET button. 5. SOD-A/B: canister A or B switch 6. SOD-1~6. Inflatable time. Divided into 6 grades. Level-1 represents 5 seconds CO2 injection. Level-2 grades are 10 seconds. The higher grade the more CO2 injection. Adjust the grade by pressing the SET button. 7. W-ON/OFF: water generation function on or off 8. H-ON/OFF: heating function on or off. 9. C-ON/OFF: cooling function on or off. 10. H-075~095: Showing the pre-set temperature of hot water. Adjust the temperature by pressing the SET button. The temperature is limited between 75°to 95°. 11. C-004~010: showing the pre-set temperature of cold water. Adjust the temperature by pressing the SET button. The temperature is limited between 4~10°. 13. FD***: showing the used of filter component. Clearing the time (FD000) by pressing the SET button 14. C/F-C F: Celsius and Fahrenheit switch 15. RESET: Re-setting the factory standard by pressing the SET button.

SET-UP

Setting up the Atmospheric Water Generator involves proper **Preparation and Location, RO Filter Installation, Cleaning**, and **Flushing the System** before it is ready for use. Setup usually requires about a day to complete, most of which involves allowing the unit to generate water. The wrench, tubing coil, and pipe tape supplied with the Generator are for optional connection to the municipal water supply.

Note: The tubing is also used for Cleaning. The wrench can be used to remove hoses. The wrench tool has two ends. One end is the wrench end and the other end has different notches. The notches fit perfectly around a hose tubing that can slide down and push down on the safety ring or collar.

Preparation and Location

 **CAUTION!**	Do not tilt the unit more than 20°; if it is tipped greater than 20°, unit must stand undisturbed for **24 hours BEFORE it is operated**.
	Move unit with a **wheeled hand cart** where possible. If manual lifting is required, use two people.
	Place the unit on **solid and level flooring** and located it with **adequate air circulation on all sides**.
	The unit should be placed **no less than 12 inches (30cm) from the wall**.
	Do NOT connect the unit to the power source within the **first half hour after set-up**. Leave the machine in a standing position to make sure all refrigerant drains to the compressor. Immediately connecting the machine to its power source after un-packing **may damage the compressor and void its warranty**.
	The power cord plug must be inserted into an electrical outlet rated to deliver **no less than 10 Amperes continuous**. Check the **panel box breaker rating** for the outlet serving the unit. **Consult a licensed electrician if you are not certain**.

1. Carefully unpack the Model 30/30S from the packaging. Note that there are important parts in the bottom foam packaging under the machine.
2. Confirm that the parts provided in the package constitute a complete set by comparing them with the Components shown in Figures 1 and 2 and pages 34. If any parts are missing contact EcoloBlue or your local distributor.
3. Place the machine in the desired location noting the ⚠ Cautions above.
4. Verify that the **brake levers on the front wheels have been pushed down and locked** after the machine is in its desired location.
5. Allow the machine to stand undisturbed for no less than 30 minutes after last movement (if not tipped; if tipped let stand 24 hours).

Reverse Osmosis Filter Installation

CAUTION!	Always wash your hands thoroughly **and wear latex or other hygienic gloves** when performing maintenance on the machine to minimize the risk of contamination of internal parts.

1. Install the Reverse Osmosis Filter (found in the foam packaging) as described below:
2. Open the bottom front panel of the machine by carefully opening the front panel from the left. (Figure 3).
3. Locate the RO Cylinder (the biggest one – Figure 4).
4. Disconnect the top water tube from the RO Cylinder by pushing the small ring around the water tube, adjacent to the elbow while at the same time pulling the tube away from the fitting. Forcing the tube without pushing the ring can cause damage or leaks. (Figure 5).
5. Remove RO cover by twisting **counterclockwise** and lifting (Figure 6).
6. Remove the RO filter from the packaging. (Figure 7).
7. **Install the RO Filter in the proper orientation** as shown in Figure 8. Push the RO filter firmly until it is set in place. Note: The filter will not work properly if installed upside down.
8. Push the membrane down into the open end (Figure 9).
9. Screw the cap **tightly** back on the RO Cylinder.
10. **Insert** the water tubing back into the elbow and tug on it tightly to verify it is secure (Figure 10).
11. **Close** the front panel

Figure 3

Figure 4

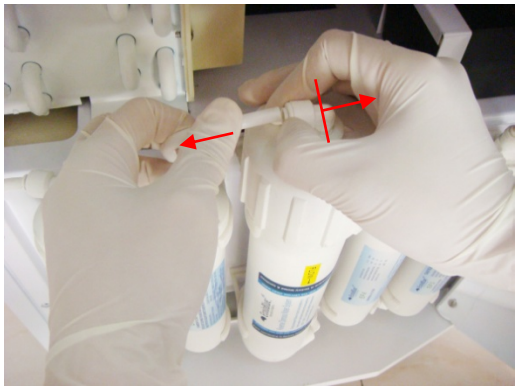


Figure 5

Figure 6


Figure 7


Figure 8


Figure 9

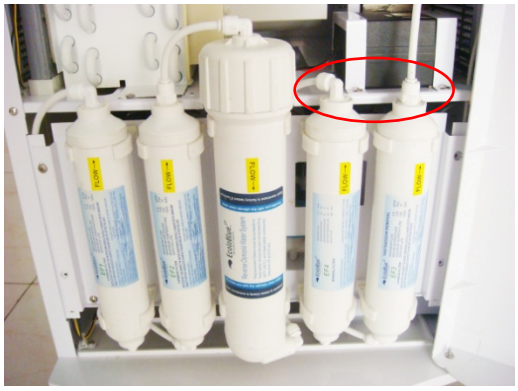


Figure 10

Cleaning

Clean the bottom storage tank See detailed instructions in cleaning the bottom tank on page 28.

Flushing the System

1. Fill the bottom tank with no more than three liters at a time of municipal water. Allow the pump to switch on until and pump the two liters to the top water tank. Once the pump switches off, repeat this step until the level displayed on the screen indicates three levels. MAKE SURE TO TURN OFF THE MACHINE EVERYTIME YOU FILL THE BOTTOM TANK OR IT WILL RESULT IN A LEAK. Overfilling the bottom tank will result in a leak triggering the leak detector.
2. Plug in the machine and turn the power **On** by pressing the switch on the front of the machine.
3. Drain out one liter (0.25 gal) of water from the Cool tank by pressing the COLD button
4. Drain out one liter (0.25 gal) of water from the Hot tank by pressing and holding the “LOCK” button then pressing the HOT button
5. Turn the power **Off**.
6. Drain out all remaining water from the rear HOT Water Drain outlet.
7. Turn the power **On** and allow the unit to generate water until the top tank has filled. This may take up to or more than **72 hours**.
8. When the top tank has filled with generated water, please **flush the system** by releasing approximately equal amounts of water from the Hot and Cool outlets.
9. Turn the power **Off**.
10. Drain out all remaining water from the rear HOT Water Drain outlet.
11. Plug in the machine and turn the power **On**.
12. The unit is ready for use to generate drinkable water.

Optional Connection to Municipal (City) Water

The Atmospheric Water Generator will purify municipal (city) water if it is connect to the city water source. Connect the city water to the Connector as shown in Figure 11, 12 and described below. Some parts are optional. Please contact your local distributor for purchase. Use the enclosed water pipe kits to connect with city water input.

1. Shut off the city water supply.
2. **Remove the included Water Tap adaptor.** If no threaded tap source is available contact your local plumber for assistance. Clean the threaded end to remove any debris. Thread the Tee Connector to the city water supply. Place the enclosed pipe tape on the threads before making the connection. Secure with the enclosed wrench
3. **Connect the tap to the Tee Connector** and water supply line. Place pipe tape on the threads before making the connection. If no tap is needed, use the enclosed threaded plug and pipe tape to plug the supply at the end of the Tee Connector. Secure with the enclosed wrench.
4. Place thread tape on the threads of the machine's **Input Valve** and then connect the valve to threaded Tee Connector. Secure with the enclosed wrench.
5. **Remove the nut** from the Input Valve. There is a clear rubber cork inside the valve seat that must be removed before joining the tube to the machine. Slide the nut over the water tube so that the threads face the end of the tube.
6. **Insert the plastic sleeve** into the end of the water tube.
7. Place pipe tape on the threads of the Input Valve.
8. Place the water tube and sleeve on the Input Valve and **secure the Input Valve** nut using the enclosed wrench.
9. **Cut the water tube to the length** needed for your application.
10. **Connect the water tube** to the optional filter(s) as needed.
11. At the cut end of the tube, slide the plastic connector over the end of the water tube with the threads facing the end of the tube.
12. Insert the plastic sleeve into the end of the water tube.
13. **Connect the water tube** to the Model 30/30S connection labeled City water input. Secure hand tight.
14. Turn **On** the water supply and check for leaks. Tighten fittings as necessary.

The Atmospheric Water Generator will purify municipal (city) water if it is connected to a city water source. Connect the city water to the Connector as shown in Figure 11, 12 and described below. Some parts are optional. Please contact your local distributor for purchase. Use the enclosed water pipe kits to connect with city water input.

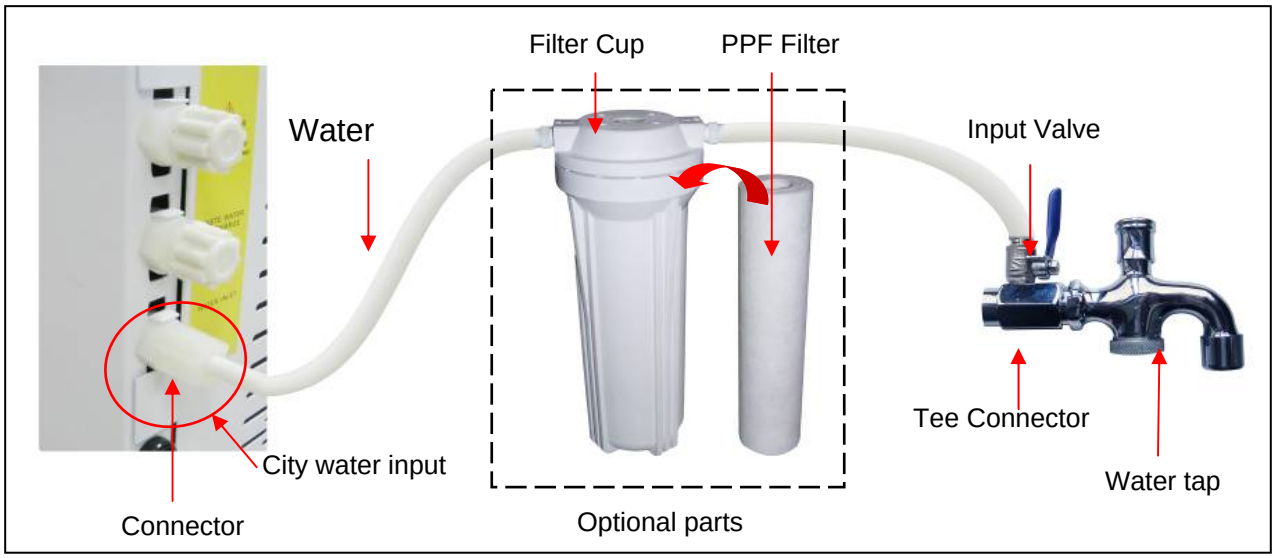


Figure 11

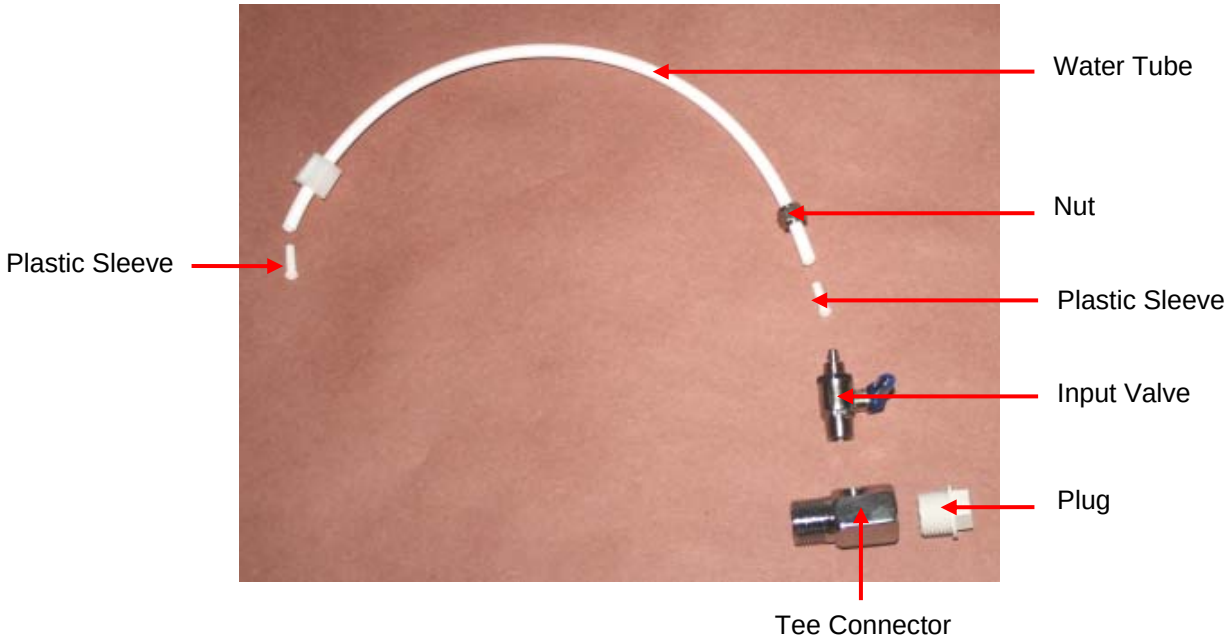


Figure 12

INSTALLATION CHECKLIST

- ☐ Unpack the unit from its packaging
- ☐ Confirm all the parts are there (Refer to Figures 1 and 2)
- ☐ Place the unit in desired location
- ☐ Lock brake levers
- ☐ Install Reverse Osmosis Filter
- ☐ Clean the bottom storage tank
- ☐ Flush the system
- ☐ Connect to Municipal (City) Water (optional)

OPERATION

Turning Generator On/Off

Turn the Generator On by pressing the Power switch on the front of the machine panel. See Figure 13. Press the switch again to shut the power Off. The machine should power on as soon as you plug it in.

Figure 13

When the unit starts to operate, you should be able to hear one long beep; the light on the display should also be lit. The compressor will begin running within two minutes, and you will see the corresponding light on the display illuminated.

To conserve energy, your machine has been fitted with an electronic sensor which automatically switches the machine's compressor off when the storage tank is full.

To stop water generation but still have access to the filtered water, press the RESET button once and the water generation will stop. To restart the water generation press the RESET button a second time.

Dispensing water

Lightly press COLD button to dispense cool water. To dispense hot water, **press and hold the LOCK button** until the HOT blinks and it beeps; then press the HOT button to dispense the desired hot water.

WARNING!
Keep small children away from the Generator.
Children playing with the HOT dispensing knob can result in scalding injuries!

NOTE: Do not be alarmed when you do not obtain hot or cold water during the first few days of operation. Only when the water level in the machine reaches a proper level (two bars on the allotment tank icon) will the heating/cooling mechanism be triggered. (Generally, the first heating/cooling will start within 24-72 hours during the first operation, depending on local temperature and humidity conditions.)

NOTE: When the air is dry or during cold weather, water generation will be slow. At such times, external connection to municipal (city) water will make the machine serve as a water purifier by utilization of the filtration and sanitizing system. When power is switched On, the machine will automatically return to its normal water generating operating mode.

Heating and Cooling Water

Both heating and cooling can be turned on together. When the machine is in heating and cooling process, hot and cold water temperature will remain in the preset range automatically.

To turn the cooling and heating off and on please refer to page 13 for detailed instructions.

Changing Settings

To change the settings on your machine please refer to page 13 for detailed instructions.

Defrosting

The system will enter defrosting mode and the DEFROST indicator on the screen will blink when the ambient environmental temperature is too low. If it is required to check the current defrosting temperature, keep pressing COOL to show defrost temperature F## at the position of humidity level on the screen.

MAINTENANCE

General Maintenance

 **CAUTION!**	Always wash your hands thoroughly **and wear latex or other hygienic gloves** when performing maintenance on the machine to minimize the risk of contamination of internal parts.
	Always keep the unit clean. Wipe the outer casing with soft, **damp, but not wet, microfiber** or similar cloth. Use water to clean; avoid using any harsh or abrasive cleaning agent.
	Do not use any soaps, detergents, or other cleaning agents to clean the storage tanks.
	Clean the air filters regularly to ensure proper air flow.
	Disconnect the electrical plug from the outlet first before draining water from the back outlets

1. When it is time for filter replacement, REPLACE on the display will blink to remind user to clean or change filters. (Please refer to Table 1 Filter Replacement for details). When cleaning or replacement is performed, press RESET until the REPLACE indicator stops blinking. Press RESET again to turn off REPLACE indicator and to reset the replacement warning time to work properly with the new filter.
2. Always drain out water remaining in the tanks before any period of long inactivity or dis-use of the unit, regardless of the ambient room temperature.
3. To assure reliable operation of the Generator, it is recommended that you dispense at least 3 liters (.75 gal) of water every day.
4. If hot water is not dispenses for a prolonged period, it is recommended to turn on the heating process for not less than 30 minutes once a week. Press and hold the LOCK button until you hear a beep and the button “HOT” flashes, and press the “HOT” button to release 500 ml of hot water from the faucet.
5. If the machine has not been used to dispense water for between 2 to 5 days, please **drain 500ml of cool water before dispensing for drinking use**. If the machine is to be inactive for more than 5 days into the future, it is recommended that you drain the water from **all** tanks and **switch off the machine in anticipation of the period of non-use**. To re-activate, please run the system sufficiently to produce about 5 liters of water, and then drain that water **from the back drain outlets**.

6. If the machine was not in use for more than 7 days **or** it has been in continuous operation for 4 months, it is time to run a **sanitizing cycle**. Please follow the steps in SANITIZING to sanitize the system.

Parts Replacement

WARNING!
Electrical hazard.
Always unplug the power cord before performing **any** maintenance on your unit.

Replacing filters regularly will ensure that your unit will always produce the cleanest and purest possible drinking water. The recommended timing for parts replacement may vary according to different water consumption levels. The time periods recommended below are based on 10 liters (2.6 gal) consumed on a daily basis:

Table 1 Filter Replacement Schedule

Part	Recommended Replacement	Required Replacement
1. LF2 Carbon Filter or Nanometer Molecular Sieve	3-6 months	12 months
2. Pre-Carbon Filter I	6 months	12 months
3. Pre-Carbon Filter II	6 months	12 months
4. Reverse Osmosis Membrane	24 months	24 months
5. Mineral Filter	6 months	12 months
6. Post-Carbon Filter	6 months	12 months
7. UV bulb	12 months or upon UV fault warning	24 months

Higher water usage rates will require filter replacement sooner than listed above. Lower water usage rates require less frequent filter replacement. **Local air and water quality will also impact the filter replacement schedule**. Parts should be replaced at least as often as the required replacement listed above.

A. To replace a filter:

We strongly recommend replacing filters one by one in order to avoid mixing parts.

1. Switch the power Off and **unplug machine** (Figure 13 – page 15).
2. **Open** the front lower panel from the bottom left (Figure 14).
3. Replace carbon filter. Disconnect the water tube from the filter **at both ends** by **pushing the small ring around the water tube**, and pulling the tube out. Forcing the tube without pushing the ring can cause damage or leaks. (Figure 15 and 16).
4. Replace the reverse osmosis (RO) membrane (Figures 17 through 20).
    a. Disconnect the tubing by **pushing the small ring around the water tube**, and pulling the tube out,
    b. Remove the cartridge cover by turning counterclockwise, then lifting,
    c. Remove the membrane, and
    d. Replace it with a new one.
5. Reconnect the parts and tubing (Figures 17 and 21).
6. Close the front panel.
7. Plug in the machine and turn the power On.
8. Clean the filtration system following the instructions in the CLEANING section.


Figure 14


Figure 15

Figure 16

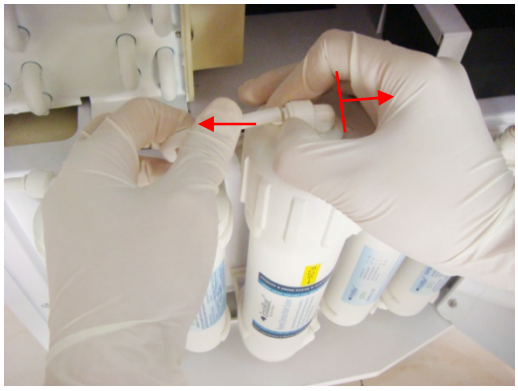


Figure 17

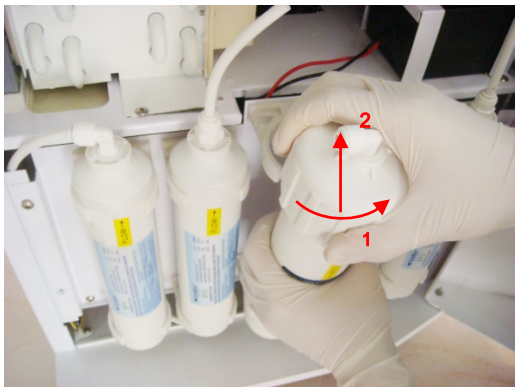


Figure 18


Figure 19


Figure 20


Figure 21

B. Replace the top UV lamp

1. Switch the power Off and **unplug machine** (Figure 13, page 15).
2. Wait for 10 minutes to allow the UV to cool down.
3. Remove the screws at the back of the top cover and **put them in a secure location**. Remove the cover (Figure 23).
4. Remove the screws securing the lamp on top end (Figure 24).
5. Disconnect UV connection wire (Figure 25).
6. Remove the UV bulb (Figure 26).
7. Replace with new bulb.
8. Reassemble parts in reverse order and close cover.
9. Plug in the machine and **turn the power On**.


Figure 22


Figure 23


Figure 24

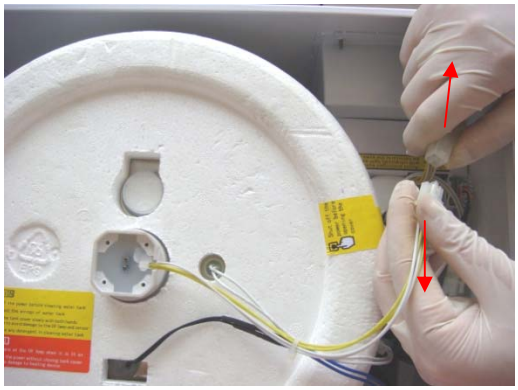


Figure 25

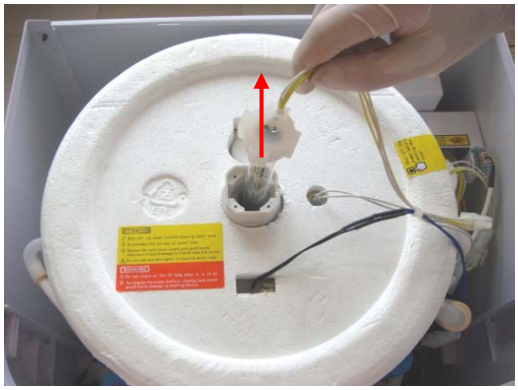


Figure 26

C. Replace the cool water out UV lamp

1. Switch the power Off and **unplug machine** (Figure 13, Page 15).
2. Wait for 10 minutes to allow the UV to cool down.
3. Remove the screws at the back of the top cover and **put them in a secure location**. Remove the cover (Figure 22 and 23, page 20).
4. Remove foam cup covering the UV bulb (Figure 27).
5. Remove black insulation cover (Figure 28).
6. Disconnect UV connection wire (Figure 29).
7. Remove the UV bulb (Figure 30).
8. Replace with a new bulb.
9. Replace all parts in reverse order.
10. Plug in the machine and **turn the power On**.

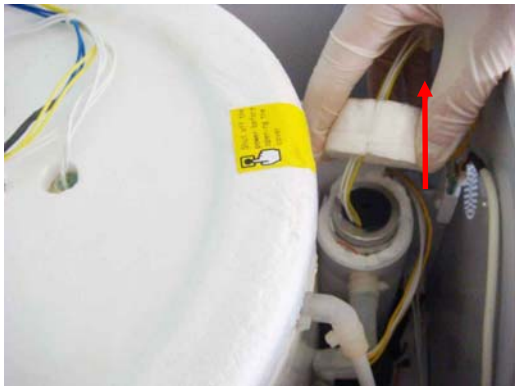


Figure 27


Figure 28

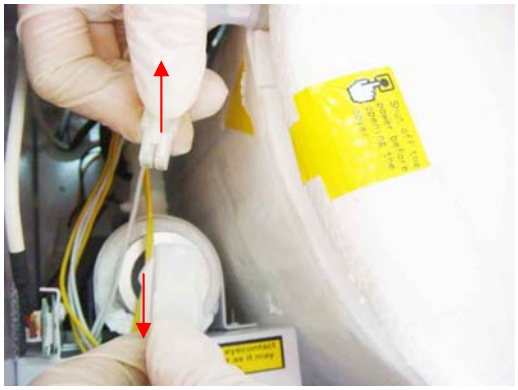


Figure 29

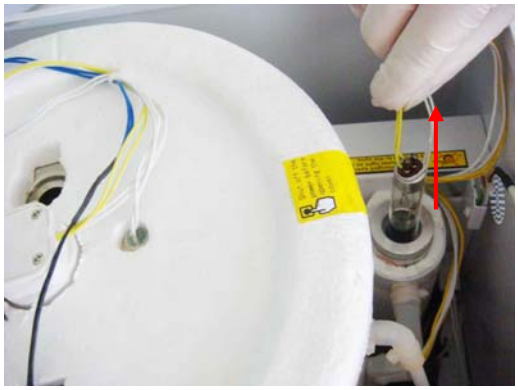


Figure 30

D. Replace the Bottom Tank UV Lamp

1. Switch the power Off and **unplug machine** (Figure 13, Page 15).
2. Wait for 10 minutes to allow the UV to cool down.
3. Remove the bottom tank (Figure 31).
4. Disconnect the UV connection pin (Figure 32).
5. Remove screws on top end of UV (Figure 33).
6. Pull out UV bulb and sealed ring (Figure 34).
7. Replace with new bulb and replace back bottom tank.
8. Plug in the machine and **turn the power On**.

Figure 31

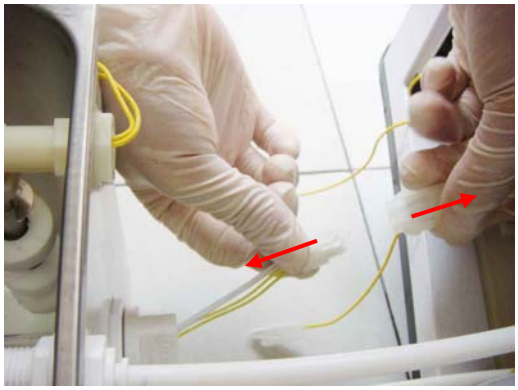


Figure 32

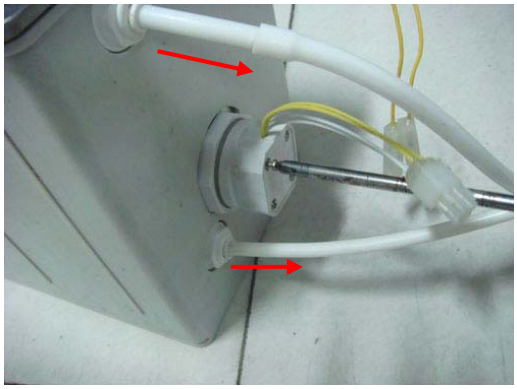


Figure 33

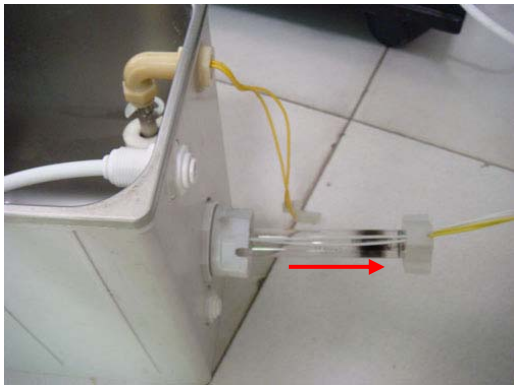


Figure 34

Change the CO2 Cylinder (EB30S ONLY)

1. Switch the power Off and **unplug machine** (Figure 13, Page 15).
2. Open the door to the CO2 cylinder compartment (Figure 35).
3. Use your hand to grab the CO2 cylinder, turn the CO2 cylinder to the left (COUNTER CLOCKWISE) and gently pull it out (Figure 36).
4. Take a full CO2 cylinder and align the cylinder head with the pressure valve and rotate right (CLOCKWISE) (Figure 37). The rotation will create a leak sound; continue to tighten until the leak sound ends. The cylinder is now installed (Figure 38).
5. Close the door to the Co2 cylinder compartment.
6. Turn machine ON. The machine is ready for use.

Figure 35

Figure 36

Figure 37

Figure 38

Storage of CO2 cylinders

Two CO2 cylinders are included with the Model 30S. When one cylinder is empty it can be replaced and the second cylinder will continue to provide soda water. Additional CO2 cylinders should not be necessary. If additional cylinders are desired, store the extra cylinders in a cool location.

	WARNING!
⚠	Contents under high pressure • Store in a cool location away from sunlight or heat sources. Keep cylinder cool. • Do not store near explosives, chemicals or other flammable goods. Do not expose CO2 cylinder to heat or direct sunlight.

CLEANING

⚠	**WARNING!** Electrical hazard. Always unplug the power cord before cleaning or sanitizing your unit.
⚠	**CAUTION!** Always wash your hands thoroughly **and wear latex or other hygienic gloves** when performing maintenance on the machine to minimize the risk of contamination of internal parts.

Regular cleaning is extremely important to ensure safe and healthy drinking water.

Cleaning the Air Filter

The 30/30S model contains three air filters as pictured below in figures 39 and 40. We assigned the air filters in the figures with the letters A, B, and C to guide you on the cleaning instructions. Air filters A and C follow the same cleaning instructions and air filter B has a different set. Please follow the instructions below.

Figure 39

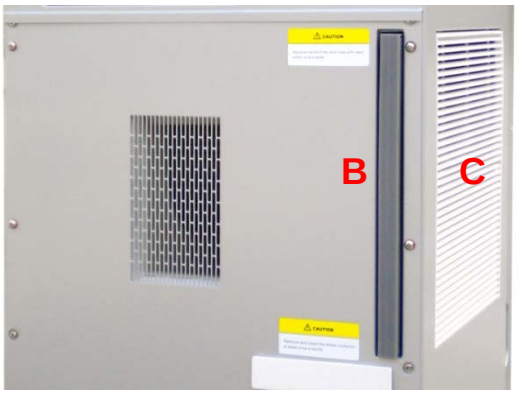


Figure 40

Clean the air filters at least **once a month** or more frequently according to the air quality conditions in your area. Before starting, **wash hands thoroughly and wear latex or other similar disposable gloves**.

To clean Filter B:

1. Switch the power Off and **unplug machine** shown in Figure 13 on page 15.
2. Pull out the air filter cover as shown in Figure 41.
3. Open the air filter cover and remove the air filter and show in Figure 42.

4. Rinse in clean cold water to remove dirt. Gently press out the water and then, holding with the fingers of one hand, flick filter over a sink to throw off the remaining water drops in Figure 43..
5. Straighten and replace the filter into its holder in the Generator.
6. Plug in the machine and **turn the power On**.

Figure 41

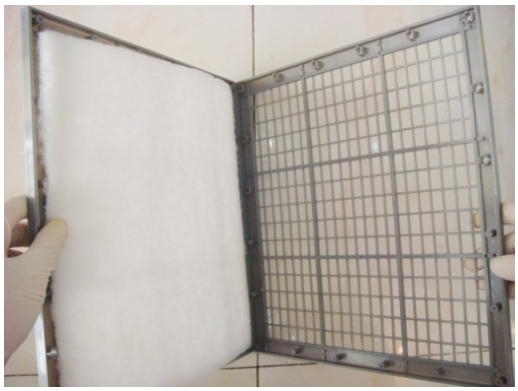


Figure 42

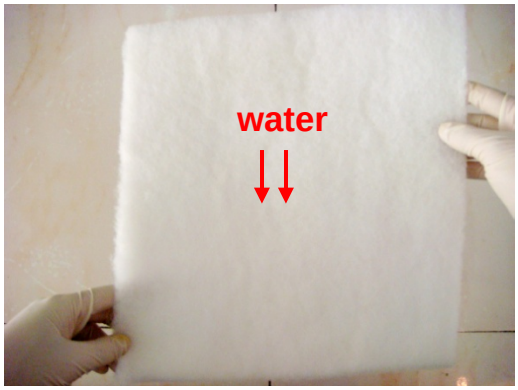


Figure 43

To clean Filters A and C:

1. Switch the power Off and **unplug machine** shown in Figure 13 on page 15.
2. Take off air filter from the side (remove screws), as shown in Figures 44 through 46.
3. Rinse in clean cold water to remove dirt. Gently press out the water and then, holding with the fingers of one hand, flick filter over a sink to throw off the remaining water drops.
4. Straighten and replace the filter into its holder in the Generator.
5. Plug in the machine and **turn the power On**.

Figure 44

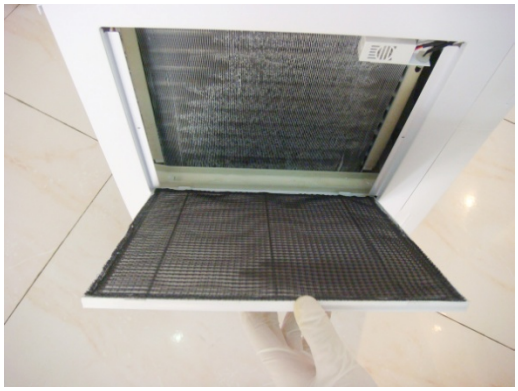


Figure 45

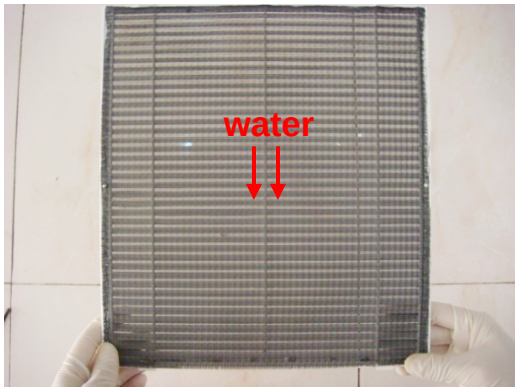


Figure 46

Cleaning the water collector

Clean the water collector at least once a week.

1. Switch the power Off and **unplug machine** shown in Figure 13 on page 15.
2. Remove the water collector from the back of the machine.
3. Clean the collector with flowing cold tap water
4. Replace in its original position as in Figure 47.
5. Put the leak drain cup back in place. Plug in the machine and **turn the power On**.

Figure 47

Cleaning the bottom tank

Clean the bottom tank at least once a month.

1. Switch the power Off and **unplug machine** as shown in Figure 13 on page 15.
2. Take out bottom tank (Figure 48).
3. Open tank cover (Figure 49).
4. Remove filter cup by turning **counterclockwise**, then lifting (Figure 50).
5. Squeeze filter basket handles and take out filter mesh cover (A) and fabric (B) (Figure 51).
6. Rinse the filter cup with clean cold water (Figure 52).
7. Rinse the bottom tank with water and wipe dry. Make sure to wipe off the small outlet filter during this process.
8. Thoroughly wipe off any dirt or dust on the tank walls. Reassemble all parts in reverse order.
9. Plug in the machine and **turn the power On**.

Figure 48


Figure 49


Figure 50`

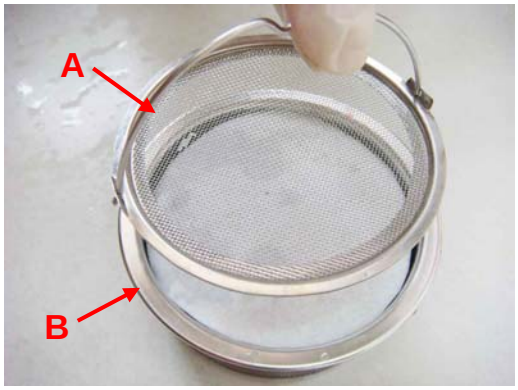
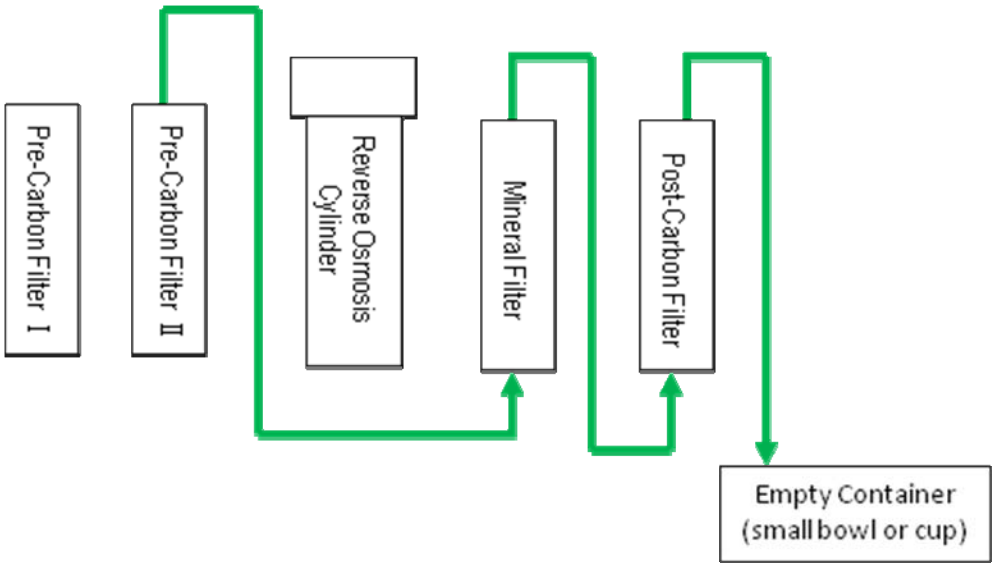


Figure 51


Figure 52

Cleaning the front filtration system

Clean the front filtration system at least once every 6 months by running water through the filters. There are three steps to cleaning the system: Preparation, Cleaning, and RO Filter cleaning.



Schematic 1: Front Filter Cleaning Hose Connections

Preparation

Before starting this process you will need one empty container, the roll of tubing that came with the machine and scissors to cut the tube.

1. Switch the power Off and **unplug machine** (Figure 13, page 15).
2. Open front bottom cover (Figure 53).
3. Disconnect the water outlet tubing from the outlet connector of 2nd stage filter (pre-reverse osmosis) by **pulling out the blue tabs and pushing the small "collet" right around the water hose** while pulling the tube away from the fitting. Forcing the tube without pushing the ring can cause damage or leaks (Figure 54).
4. Pull out water inlet tubing from the inlet connector of 3rd stage filter (post reverse osmosis) (Figure 55).
5. Connect the outlet of 2nd stage filter to the inlet of 3rd stage filter with tubing (1ft) provided with your machine Figure 56).

Figure 53

Figure 54


Figure 55

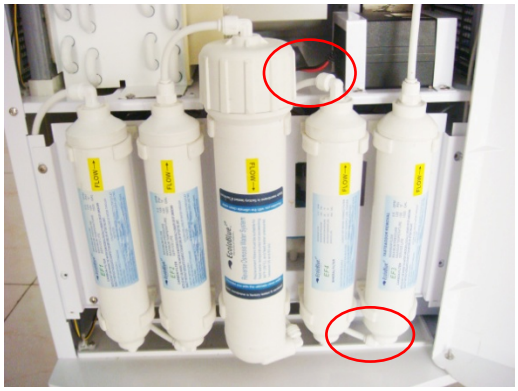


Figure 56

6. Pull out outlet tubing from the outlet of 4th stage filter (post reverse osmosis) (Figure 57).
7. Connect the outlet of 4th stage filter (post reverse osmosis) with 1ft of tubing to a water container (Figure 58).
8. Pull bottom tank completely out of the machine. Keep bottom tank out until cleaning is done for easy filling.
9. Remove basket filter
10. Rinse the basket filter with clean cold water. Keep basket filter off until cleaning process is done.


Figure 57


Figure 58


Figure 59


Figure 60

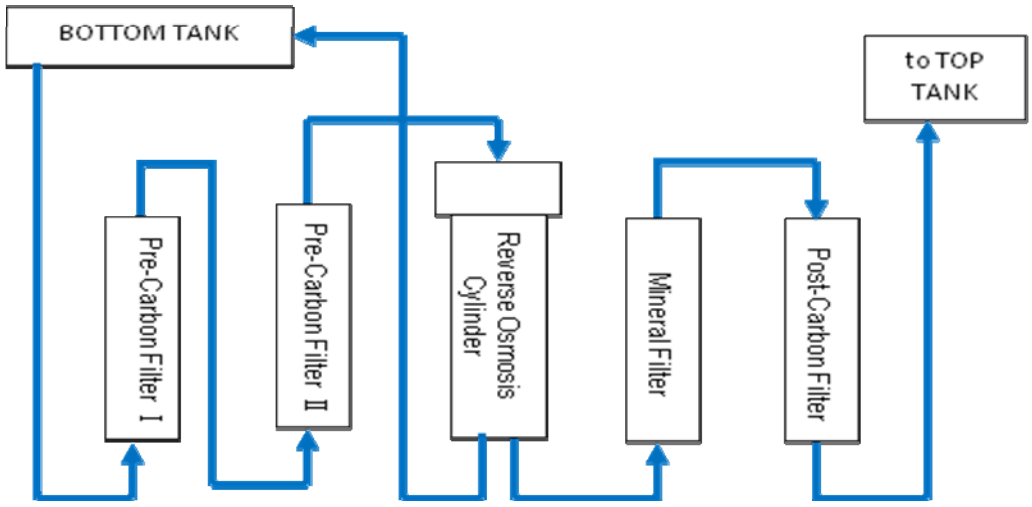

Figure 61


Figure 62


Figure 63

Cleaning

11. Fill bottom tank with municipal (city) water.
12. Plug in the machine and **turn the power On**.
13. Start cleaning the filtration system by operating the unit. Keep checking the water level of the bottom tank and fill with municipal (city) water **until only clean water flows into the water tank.**
14. Put back all the parts in their original positions. Make sure all connections are **hand tight** to prevent leakage.



Schematic 2: Water flow for the front filtration system

RO Filter Cleaning

1. Disconnect the tubing from reverse osmosis (RO) inlet (Figure 64).
2. Remove RO cover by twisting **counterclockwise** and lifting (Figure 65).
3. Remove the RO membrane. Rinse the inside of the membrane with water.
4. Insert RO membrane into the cartridge (Figure 66). Pay careful attention to assure it has been **inserted in the correct orientation shown**.

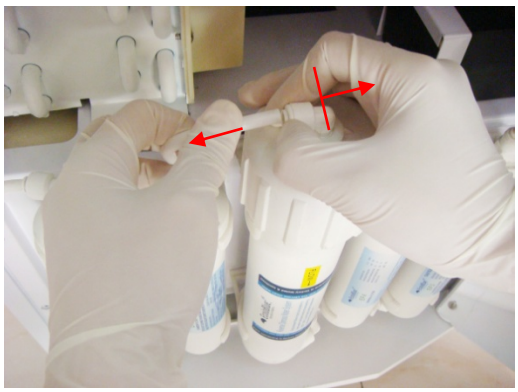


Figure 64

Filter 65

Figure 66

5. Press the membrane onto the open end (Figure 67).
6. Replace the cover and tubing (Figure 68).
7. Close the front panel (Figure 69).
   -Pull out the bottom “store” tank and fill with water (city water or bottled)
   -On the back of the machine, locate the “waste water discharge,” unscrew the cap and remove the rubber plug.
   -Place a drain container next to the “waste water discharge”
8. Plug in the machine and turn the power On.
9. Switch on the unit and start cleaning the RO membrane by filling municipal (city) water into bottom tank until the top tank is **full of water**.
10. Dispense 2 liters (.5 gal) of hot and cold water from each faucet, respectively.

Finishing Up

11. Switch the power Off and **unplug machine**
12. Remove the rubber plug and drain all remaining water from the hot water drain outlet at the rear of unit (Figure 70).
13. Plug in the machine and **turn the power On. The machine is now ready for operation.**


Figure 67


Figure 68


Figure 69


Figure 70

SANITIZING

The Atmospheric Water Generator should be sanitized at least every 6 months of service.

1. Prepare 10 liters (2.6 gal) of sanitizing solution (hydrogen peroxide and water mixture). Using a **standard 3% USP hydrogen peroxide solution** is recommended . Mix 32 FL oz of 3% hydrogen peroxide to 2.6 gallons of water.
2. Switch the power Off and **unplug machine** (Figure 13, page 15).
3. Remove the cover screws (place in secure location) and open the top cover (Figure 71).
4. Open top tank cover (Figure 22 and 23 on page 20).
5. Fill the top tank with the solution (Figure 72).
6. Replace the top tank cover **securely** (be sure it is tight**)**.
7. Replace the top cover.
8. Plug in the machine and **turn the power On**.
9. Dispense 1 liter (.26 gal) of solution from the Hot and Cold faucets (each) (Figure 73 through 75).
10. Switch the power Off and **unplug machine.**
11. Drain about 0.5 Liters (.13 gal) of the solution from the **hot water drain outlet** in the back. Keep the remaining solution soaking in the top tank **for at least 2 additional hours**, or as indicated in the instructions accompanying the solution (Figure 76).

12. Plug in the machine and **turn the power On**.
13. Run the unit. Dispense 2 liters (.5 gal) of solution from the Hot and Cold faucets (each).
14. Switch the power Off and unplug machine.
15. Drain **all** remaining solution from the **hot water drain outlet** in the back.
16. Fill bottom tank with municipal (city) water.
17. Plug in the machine **and turn the power On**.
18. Run the machine on automatic setting until the top tank is full of water.
19. Dispense 2 liters (.5 gal) of water from the Hot and Cold faucets (each) (Figure 73-75).
20. Switch the power Off and **unplug machine**.
21. Drain all remaining water from **hot water drain outlet** in the back (Figure 76).
22. When the top tank is empty, **repeat the entire sanitizing cycle process** (#1 – #22) **one more time**.
23. Repeat the above steps 16 – 19 in order to clean out the solution remaining in the top tank.


Figure 71

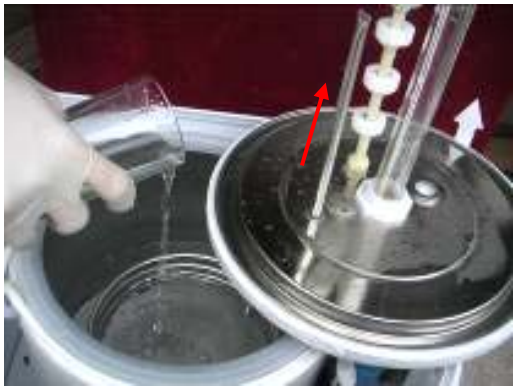


Figure 72

Figure 73

Figure 74

Figure 75


Figure 76

TROUBLE SHOOTING

Problem	Solution
UV Warning Troubleshooting:	
The UV WARNING light blinks and you hear three short beeps.	 **WARNING!** UV Eye hazard **Wear UV-absorbing sunglasses if available. Do Not look into the tank** any longer than necessary to determine if the bulb is operating. **This can be done without looking at the bulb itself**. Prolonged direct eye exposure to ultra-violet light may cause serious eye damage. Switch the power Off and **unplug machine** (Figure 13, page 15). Remove the cover (Figure 21 on page 19). Check that all wiring is intact. Remove the small ventilation cover shown just below the arrow and next to the bulb in Figure 23. Plug in the machine. Very carefully turn the power On and observe if the bulb operates. Switch the power Off and **unplug machine** (Figure 13, page 15). If the UV bulb is not working, replace with a new bulb by following steps in MAINTENANCE. Replace the small ventilation cover.
The whole UV WARNING logo blinks and you hear three short beeps.	Check the ultraviolet device at the cool water output to make sure the bulb is lit and all wiring is correctly engaged. If the UV is not working, replace with a new bulb by following steps in Maintenance.
Power Cord Troubleshooting:	
The machine does not work even after the power cord is plugged in.	**Check the circuit breaker** in the facility and test with another device to assure the outlet is live. Check to ensure the voltage being delivered to the outlet is in the **correct operating range** for the device. Make certain that the **plug connection to the wall outlet** is tight and secure and the cable is not damaged.
Display Troubleshooting:	
The indicator REPLACE "REPLACE" on display is blinking and beeping.	After a long period of operation, the filter might be dirty. If so, it must be replaced. Replace with a new EcoloBlue filter by following the steps in MAINTENANCE. Reset the filtration warning time by following Step No. 1 on page 16 under general maintenance.
The system detected water leakage on the base. The red logo on the screen blinks and the system cannot produce water.	• Press the POWER button immediately and **unplug the power cord**. • Open the **front** cover and make sure the tubing of the filtration system is tight and secure. • Make sure the tubing of the **bottom** tank is tight and secure. • Make sure the drainage tubing in the back is tight and secure. • Make sure the **water collector is in the correct position**. • Locate leak drain cup (page 9), remove, then drain. Put the leak drain cup back in place. • Turn the machine back on. **This will reset the leak warning on the machine!**
The humidity indicator on the screen is different from the actual room humidity level.	• It is normal for readings on such devices to differ in a range of 5%. • Make sure the machine and the individual hygrometer are placed in the same place. • Make sure that the hygrometer sensor is not blocked, covered or too close to the wall.

Water Storage/Output Troubleshooting:	
Remaining water cannot be drained out from the back outlets when cleaning top tank and hot tank.	**Make sure the water stopper inside the water drain outlet** is removed from or not blocking the drain opening.
Water output from faucet is too slow.	• Clean the filter net inside the water faucet or replace with a new one from EcoloBlue or your local distributor). • Replace check valve inside the water faucet with a new one.
No hot or cool water output, ambient temperature water only.	• The heating function will be activated only when the top tank water level on the screen is **above level two**. • The cooling function will be activated only when the top tank water level on the screen is **above level three**.
The machine makes water at a slow rate, even after a prolonged period of operation.	• Make sure the machine operating temperature level is in the appropriate range. • Check the humidity level in the room. **Low humidity level results in less water production 60*F at 35% HUMIDITY IS MINIMUM** • Make sure that the hot/cold water spouts are not blocked. • Make sure that the **ingoing and outgoing air ventilation is not blocked.** • Check that the distance between the machine and the wall is not too close. • Make sure that the power voltage is not too low or too high. • Make sure that the internal booster pump is operating. • Make sure that the water lines are not blocked and water flow is smooth. • Make sure that the unit is placed in a well ventilated area, and that the air filter net is cleaned regularly to ensure the free air flow.
General Troubleshooting:	
The machine is vibrating excessively and/or too noisy.	• Make sure there is **no object placed on top of the machine**. • Make sure that there is **no water cup** placed on water tray. • Open the front bottom panel and check if the **copper tube at the side is touching the side panel**. If it is, correct the position of the copper tube by applying **slight pressure** to **very slowly reposition** the tube from the side panel.
There is a burning smell from the machine, and the hot temperature indicator has exceeded the preset temperature point.	• **Turn the power Off immediately and unplug the power cord**. • **Stop draining** immediately if you are performing the draining operation from the back. • **Wait a 20 minutes** for the unit to cool. • Plug in the machine **and turn the power On.** • If the hot temperature indicator reads normally, continue draining.

If your machine still does not work or does not work correctly after all the above procedures have been performed, please do not try to perform other repair procedures yourself. Always call a qualified and properly trained service technician to examine the machine and perform necessary repair procedures. Contact EcoloBlue or your local distributor for service assistance. The manufacturer will not bear any responsibility for damages to the Generator, damage to the owner's property, or personal injury sustained during attempts at self-repair.

User repairs to the Generator not specifically referenced and permitted in this Manual, and/or use of replacement parts from sources other than EcoloBlue, or maintenance procedures other than as instructed or explicitly referenced herein, voids all manufacturer warranties.

BIO-INFRARED MINERAL FILTER

The EcoloBlue30/30S Bio-Infrared Mineral Filter Element is made of exclusive activated mineralized material and Bio-infrared ceramic material. It is a new purification product with anti-bacteria, water activation, absorption and filtration functions, which is applied in water purifier manufactured and city water plant most currently. It can improve water activation and oxygen content, and it is able to convert the heat in environment to carry out photo-heat output by means of bio-infrared energy conversion.

On the other hand, if combining with anti-bacteria material into manufacture, the product will be functioning as bacteria-proof health care utilization product. It is now applied in many industries such as medical care, daily consuming manufacturers, environmental protection and energy saving oriented companies.

This product has gone thru research and development modification based on traditional activation material and been added with bio-infrared ceramic material, which possesses certain infrared radiation feature and with effective infrared radiation above 93%. This mineral element has high infrared radiation and excellent water absorption. It can release over 20 kinds of human required elements (Zinc, Lithium, Iodine, Selenium, etc) into purified water, enabling the activated water containing of more beneficial minerals such as the following:

The detected microelements in water

Item	Li	Sr	Zn	K	Na	Ca	Mg	Fe	Mo	Cu	Se
Result	0.39	1.01	0.32	15.1	19.4	11.5	3.2	0.01	3.1	4.9	6.7

REPLACING THE CO2 CYLINDER (MODEL 30S)

How to Obtain a Replacement CO2 Cylinder

You can order a replacement CO2 Cylinder by calling +1 800 691 6043 or visiting our web store at http://www.ecoloblue.com. With the completion of your pre-paid order, EcoloBlue will send a replacement CO2 cylinder to you. The order includes a deposit for the new cylinder. You can expect delivery in 3-4 business days in most locations.

⚠WARNING!

Contents under high pressure. Handle with care!

- Do not drop the cylinder, throw it, or carry it in a way that it may strike objects or surfaces while being carried.
- Do not throw the cylinder or allow the cylinder to roll off, or fall from, a table, counter, or other surface.
- Store in a cool location, **away from sunlight and all heat sources**. Keep cylinder cool at all times, but do not refrigerate.
- Do not store near explosives, gasoline or other fuels, chemicals, or flammable substances or goods.

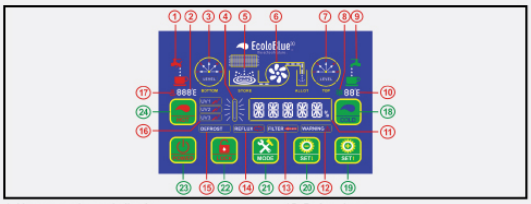
1. Open the package and carefully remove the replacement cylinder and inspect the cylinder. If you notice any cylinder damage or malfunctioning, do not use the CO2 cylinder. Call +1 800 691 6043 for further instructions.
2. If the cylinder is not damaged, set it aside.
3. Remove the pre-printed return shipping label and the installation instructions from the container.
4. Place the empty CO2 cylinder in the packaging and reseal the container.
5. Place the pre-printed shipping label on the package and return to EcoloBlue. Once the returned cylinder is received your account will be credited for the cylinder deposit.
6. Install the replacement CO2 cylinder following the installation instructions included with the replacement cylinder.

TECHNICAL SPECIFICATIONS

MODEL 30

EcoloBlue 30™
the echo of nature™

DIGITAL OPERATION MONITOR



1. Hot water take out indication
2. Hot temperature indication
3. Water level indication bottom tank
4. UV warning icon
5. Water generation indication
6. Booster pump icon
7. Water level indication top tank
8. Cooling icon
9. Cold water take out indication
10. Cold water temperature indication
11. Room humidity, temperature and time indication
12. Water leakage Warning Icon
13. Filter Replace Warning
14. Water Recirculation/Reflux Icon
15. Defrost Icon
16. UV Warning Icon:
① UV1: UV Warning Icon indication top tank
② UV2: UV Warning Icon indication inline UV
③ UV3: UV Warning Icon indication bottom tank
17. Heating icon
18. Cold water take out indication
19. Forward function setting icon
20. Backward function setting icon
21. Function mode selection indication
22. Hot water unlock indication
23. Power on/off indication
24. Hot water take out indication

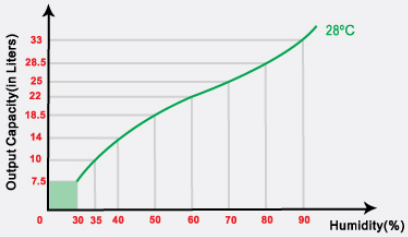
TECHNICAL SPECIFICATIONS

Voltage	100-120V	Frequency	50/60Hz
Total Wattage	750-1050W	Total Current	7-9A
Operation Wattage	250-450W	Heating Wattage	500-600W
High Pressure	2.8 MPa	Low Pressure	1 MPa
Refrigerant	R134a 310g	Storage Capacity	13.5 Litres
Temperature Range	15°C~40°C	Humidity Range	35%~95%
Size(cm)	45x44x111.8	Net Weight	53Kg
City Water Pressure	0.1~0.6 MPa	Moisture Protection	IP20
Weather Types	N,SN,ST		
Serial No.			

ATMOSPHERIC WATER PRODUCTION CAPACITY

WATER PRODUCTION (24-HOUR PERIOD)(in liters)
TEMP ERATURE RANGE: 15°C~40°C

HUMIDITY(%)	30	35	40	50	60	70	80	90
PRODUCTION CAPACITY(Ltrs)	7.5	10	14	18.5	22	25	28.5	33



CARE AND MAINTENANCE LIST

- Before start off, keep machine in upright position for at least 12 hours.
- Clean air filter weekly.
- Drain out remaining water if unit is not used for more than 5 days.
- Place machine in a ventilated area or nearby to an open window.
- Do not move the unit when full of water.
- Upon hearing three short beeping and meanwhile UV indicator blinks, it is recommended to change the UV light bulb. (Contact your local distributor.)
- Keep machine at least 30cm away from the wall on solid ground.
- Do not use detergent to clean the machine.
- Always call a qualified service technician to look at the machine and perform the repair procedures. We are not responsible for any damages incurred during service by unqualified personnel and will also void all warranties.

MEMBER Water Quality Association

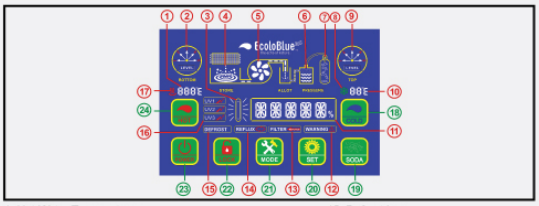
For Service please call
+1 800 691 6043

Patent Number D596,701

MODEL 30S

EcoloBlue 30S™
the echo of nature™

DIGITAL OPERATION MONITOR



1. Hot Water Temperature
2. Water Level Indication Bottom Tank
3. UV Warning Icon
4. Water Generating Icon
5. Booster Pump Icon
6. Water Level indication Soda tank
7. CO2 injection indication
8. Cooling Icon
9. Water Level Indication Top Tank
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23. Power on/off indication
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TECHNICAL SPECIFICATIONS

Voltage	100-120V	Frequency	50/60Hz
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High Pressure	2.8 MPa	Low Pressure	1 MPa
Refrigerant	R134a 310g	Storage Capacity	13.5 Litres
Temperature Range	15°C~40°C	Soda Storage Capacity	500ml
Size(cm)	45x44x111.8	Humidity Range	35%~95%
City Water Pressure	0.1~0.6 MPa	Net Weight	56Kg
Weather Types	N,SN,ST	Moisture Protection	IP20
Serial No.			

ATMOSPHERIC WATER PRODUCTION CAPACITY

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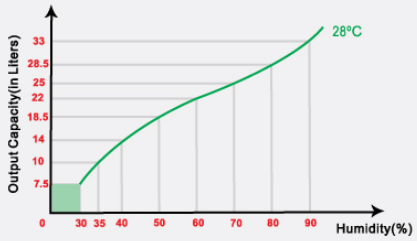

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MEMBER Water Quality Association

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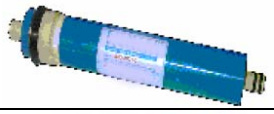
Patent Number D596,701

PARTS LIST

Part	Photo	Part Number	Replacement Schedule
Reverse Osmosis Membrane		FL-F001	Every 2 years
EF1 Filter		FL-F002	6 months
EF2 Filter		FL-F003	
EF3 Filter		FL-F004	
EF4 Mineral Filter		FL-F005	
Air Filter Fabric		FL-P022-AIR	
Nanometer Filtration Net (Faucet)		FL-M001	
Philips Ultraviolet Lamp		EL-E005-UV	Every 2 years
Plastic Casing for Bottom Tank		FL-BOT-TANK-002	
Stainless Steel Bottom Tank		FL-BOT-TANK-003	
Steel Cover for Bottom Tank		FL-BOT-TANK-004	
Steel Mesh Assembly (including the Charcoal and Zeolity)		FL-BFT-LF2-005	
Steel Mesh Assembly (including the Charcoal)		FL-BFT-LF2-005	
Bottom Tank Small Filter		FL-TF-001	
Air Pump		EL-PUMP-220V EL-PUMP-110V	
Stainless Steel Water Level Sensor for Bottom Tank		EL-SB-001	
Bottom Tank UV Assembly (including the UV lamp) (4W)		EL-TTUV-003	
Ultraviolet Ballast (4W)		EL-BU220-04 EL-BU110-04	

MAINTENANCE LOG

Date:	EF1 Filter	EF2 Filter	EF3 Filter	EF4 Mineral Filter	Air Filter Fabric	Nanometer Filtration Net (Faucet)	Reverse Osmosis Membrane	Air Filter	Replace UV Lamp	Replace the cool water out UV Lamp	Replace the Bottom Tank UV	Comments

Local Municipal Code Compliance and Commercial Use: The Model 30/30S Atmospheric Water Generator has not been submitted to electrical testing organizations for purposes of obtaining approvals that are necessary in some jurisdictions for **installation of such a device in a commercial establishment such as a small office**. The Model 30/30S is **not intended or warranted for commercial use in businesses such as restaurants**. **Contact EcoloBlue for information about larger Generators suitable for such commercial use**. Therefore, installation of Model 30/30S in a commercial establishment **may constitute a violation by the commercial owner or tenant of a state or municipal electrical code, for which EcoloBlue Life & Energy disclaims any and all liability.**

Note: EcoloBlue reserves the right to make changes/amendments/deletions/revisions and/or variations in and to the Model 30/30S Atmospheric Water Generator **and in and to the contents of this manual** at any time and without prior notice to those who have purchased earlier versions of the Model 30/30S **or who have received earlier issued versions of this Manual**.

Contact Information

EcoloBlue Life & Energy
the echo of nature

3109 Grand Avenue - Suite 423
Miami, Florida 33133

5702 Marsh Drive, Unit K
Pacheco, CA 94553

800-691-6043 (Technical Support, 9:00 a.m. - 6:00 p.m. Pacific Time, M-F)

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