

# SpaceOne™

Multi-Source  
Atmospheric  
Water Generator

## Operator's Manual

Another Great Product of  
Air Water Corporation, USA

July 2008



air~water

Manual Part # AWSP1-GD0708  
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## INTRODUCTION

Congratulations, you have acquired a high quality **SpaceOne™ Multi-Source — AWG (Atmospheric Water Generator) Dispenser** for bottled water, tap water, or to make your own “*Water from the air you breathe™*”. This unit is packed with many extra features that you will find convenient to use.

**SpaceOne™** will provide you with years of trouble free use if you follow the safety precautions, operating instructions and maintenance procedures as provided for in this easy-to-use manual. Please take the time to read it, and save these instructions for future reference.



Please also remember to record the model and series code. These are on a label on the back of the unit.

\_\_\_\_\_

Model Number

\_\_\_\_\_

Series Code

\_\_\_\_\_

Purchase Date

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**CAUTIONS****IMPORTANT****CAUTIONS**

It is important to be aware that your **SpaceOne™, Multi-Source Atmospheric Water Generator**, is a humidity and temperature driven machine when placed in the “Air Water” mode. This means that the machine totally depends on the level of humidity and the temperature in the air to produce water.

Ideally the indoor relative humidity level (RH) should be at least 50% or above to achieve the machine’s optimum performance. In places with lower humidity levels, the machine will still produce water but neither as quickly, nor as much as it will in places with higher levels of humidity. In the home, higher levels of humidity tend to be around the kitchen area, near an open window or in more spacious rooms.

*PLEASE NOTE:* This unit will not perform well in an air-conditioned room, so if it must be located there, and then it is recommended to open a window close to the unit to allow continuous room ventilation.

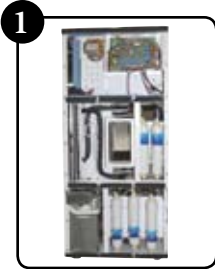
The **SpaceOne™** unit (in Air to Water mode) works by converting the humidity in the air to drinking water. As a by product of the process, the unit also acts as an effective dehumidifier reducing the dampness of your room/home.

**PRODUCT DESCRIPTION**

**SpaceOne™**  
Multi-Source  
Atmospheric  
Water Generator



- ← Control Panel
- ← Water Dispenser
- ← Dispenser ledge



To ensure a high quality of drinking water, the SpaceOne™ utilizes:

- 1 Multiple Filtration Technologies
- 2 Water Tanks made of the highest quality stainless steel
- 3 Power Switch on the Rear Upper Panel
- 4 A quiet and durable refrigeration-type compressor
- 5 A grounded plug power cord (*be sure that your outlet is properly grounded*).
- 6 Integrated No-Spill Easy-to-Clean Drip Water Collection Tray System for added hygiene and convenience.



## DIRECTIONS FOR USE

**SpaceOne™**

## Multi-Source Atmospheric Water Generator

**YOUR SPACE ONE™ MACHINE**

Fig 1 Water Filters

**Initial Installation of Water Tubes and Filters:**

Your SpaceOne™ machine comes with a series of special filters. These are plastic protected during transit to ensure they arrive in mint/clean condition. The three main filters (as well as the special tap water filters) are already interconnected, but need to be connected to the machine for inline use.

Therefore connect the outer in and out tubes as indicated (Fig 1) to set up the correct water flow into and out of the filters.



Fig 2 No-Spill Receptacle Cap

**Dispensing From 'Bottled' Water:**

Fig 3 LED Control Panel



Fig 4 Dispensing water

- Make sure that the water dispenser is not plugged into the electrical outlet.
- Remove the cap from the No-Spill receptacle on the top of the unit. Hold the water bottle vertically and upside down and place the water bottle into the no-spill bottle receptacle. (Fig 2) Apply slight pressure in order to pierce the bottle cap with the spigot. This unit accepts 2, 3 or 5 gallon water bottles.
- Plug the water dispenser into a grounded power outlet and turn the power switch on.
- Press the 'Bottled' button on the LED front control panel. (Fig 3)
- Press the 'Dispensing' button to let air out — until the water starts to flow. When this happens, release the button. (Fig 4)
- Please discard the initial 16 fl. oz. from the machine to flush the system.
- If the water dispenser is brought in from outside in the winter time, give it few hours to warm up to room temperature before plugging it in. The thermostat setting may be affected by coldness of the water dispenser itself or the bottled water.

## DIRECTIONS FOR USE



Fig 5 Water Tap Connection



Fig 6 LED Control Panel



Fig 7 Dispensing water



Fig 8 Water Filters

## YOUR SPACE ONE™ MACHINE (cont)

### Dispensing From 'Tap' Water:

- Make sure that the water dispenser is not plugged into the electrical outlet.
- Connect the specially designed tap water connection hose to the water input connection located on the back of the machine. (Fig 5)
- Plug the water dispenser into a grounded power outlet and turn the power switch on.
- Press the "Tap" button on the LED front panel. (Fig 6)
- Press the 'Dispensing' button to let air out — until the water starts to flow. When this happens, release the button. (Fig 7)
- Please dispense and discard the initial 16 fl. oz. from the machine to flush the system.
- In the winter time, give the unit a few hours to warm up to room temperature before plugging it in. The thermostat setting may be affected by coldness of the water dispenser itself or the tap water.

### Dispensing 'Air Water' through the AWG Water Generator:

#### Initial Installation of Water Tubes and Filters:

Your SpaceOne™ machine comes with a series of special filters. These are plastic protected during transit to ensure they arrive in mint/clean condition. The three filters are already interconnected, but need to be connected to the machine for inline use.

Therefore connect the outer in and out tubes as indicated (Fig 8) to set up the correct water flow into and out of the filters.

## DIRECTIONS FOR USE



Fig 9 LED Control Panel



Fig 10 Dispensing water



Fig 11 Water Tank



Fig 11 Setting the Clock

### Dispensing 'Air Water' through the AWG Water Generator: (cont)

- Plug the water dispenser into a grounded power outlet and turn the power switch on.
- Press the 'Air Water' button on the LED front control panel. (Fig 9)
- Allow the machine to operate for at least 24 hours before attempting to dispense any water.
- Press the 'Dispensing' button to let air out — until the water starts to flow. When this happens, release the button. (Fig 10)
- Please dispense and discard the initial tank full of water until empty, then allow enough time for the tank to re-fill, (24 hours) and repeat several times (as needed) in order to allow the machine to fully flush the system sufficiently. (Fig 11)
- If the water dispenser is brought in from outside in the winter time, give it few hours to warm up to room temperature before plugging it in. The thermostat setting may be affected by coldness of the water dispenser itself or the bottled water.

### Setting the Clock: (Fig 12)

- Choose a method of water dispensing.
- On the LED Front Control Panel press the 'Clock' button once to enter program mode.
- Press the 'Tap' button to set the hour (based on a 24 hr clock).
- Press the 'Clock' button again to enter the program mode to set the minutes.
- Press the 'Tap' button to enter the correct minutes (0-60)
- Press the 'Clock' button again to finish programming and set the clock.

**MAINTENANCE**

**SpaceOne™**

Multi-Source Atmospheric Water Generator

**YOUR SPACE ONE™ MACHINE**

Changing the Filters for 'Tap' Water:

**IMPORTANT**

To be done, or checked, every 3 months of continuous operation.

- Make sure that the water dispenser is not plugged into the electrical outlet.
- Remove the screws from the center (middle) panel of the back of the unit. (Fig 12)
- Observe the flow direction of the water filters.
- Remove blue stop from filter ends 4A and 4D. (Fig 13)
- Push in on connector end of 4A and pull out the hose. Repeat for 4D.
- Replace the filters.
- Push in the hose and pull out the connectors end.
- Replace the blue stop.
- Repeat for the other hose.
- Replace metal panel and screws and plug in the machine for resumed operations.

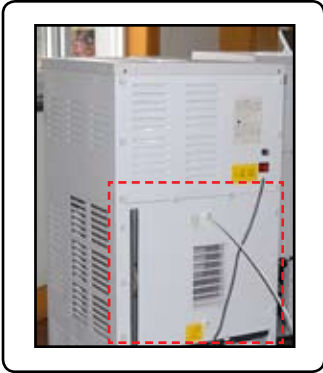


Fig 12 Middle Panel



Fig 13 Tap Water Filters

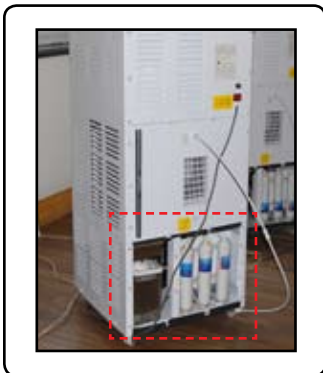


Fig 14 Remove bottom panel

Changing the Filters for 'Air Water' Water:

**IMPORTANT**

To be done annually, or sooner if necessary under continuous operation.

- Make sure that the water dispenser is not plugged into the electrical outlet.
- Remove the screws from the lower (bottom) panel of the back of the unit. (Fig 14)
- Observe the flow direction of the water filters.

## MAINTENANCE

(cont)



Fig 15 'Air Water' Water Filters

### Changing the Filters for 'Air Water' Water (cont):

- Remove blue stop from filter ends 1A and 3D. (Fig 15)
- Push in on connector end of 1A and pull out the hose. Repeat for 3D.
- Replace the filters.
- Push in the hose and pull out the connectors end.
- Replace the blue stop.
- Repeat for the other hose.
- Replace metal panel and screws and plug in the machine for resumed operations.



**DANGER**

**WARNING: SHOCK HAZARD**  
Unplug the water dispenser before cleaning the unit.

### Care and Cleaning of Dispenser:

#### Cleaning the Exterior:

#### **IMPORTANT**

Set power switch (on the back of the dispenser) to the OFF position and unplug the water dispenser before cleaning.

The outside of the cabinet can be washed with mild soap and water. Rinse thoroughly with clear water. *NEVER* use commercial cleaners or abrasive scouring powders.

#### Draining Instruction:

The dispenser should be drained before cleaning the tanks and before leaving for long vacations or absences.

- Set power switch (on the back of the dispenser) to the OFF position and unplug the dispenser.
- Remove the water bottle from the dispenser (Only if using bottled water)
- Place a large bucket beneath the drain outlet at the rear of the dispenser. (Fig 16)
- Remove drain cap and silicone stopper. Drain unit.
- After draining, replace the silicon stopper and cap.

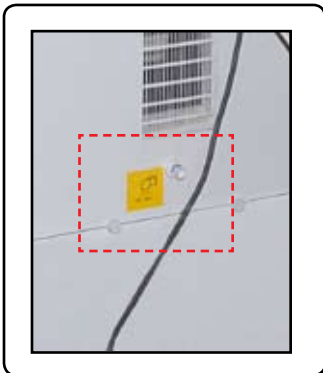


Fig 16 Drain Outlet

## MAINTENANCE

(cont)



Fig 19 Drip Tray & Grill



Fig 18 Replacing Drip Tray

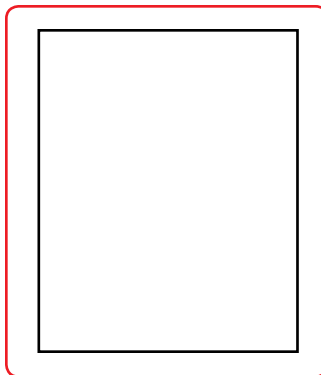


Fig 18 Plastic Separator

### Care and Cleaning of Dispenser: (cont)

#### Cleaning the Drip Tray and Grill:

The drip tray is not self-draining. To reduce water spotting or deposits, the tray and its grill should be emptied, cleaned and wiped dry regularly. (Fig 17) Clean with mild soap or on the top rack in the dishwasher.

- Be sure to properly and accurately replace the tray to its correct position, ensuring the spout of the tray inserts to the special receptor hole, in the cap of the lower water tank. (Fig 18)

#### Cleaning the Separator: ( Bottled Water Users)

### IMPORTANT

Set power switch (on back of dispenser) to the OFF position and unplug the Water Dispenser before cleaning.

- Remove the water bottle and drain the dispenser (see Draining Instructions).
- Remove the support collar by turning counterclockwise and pulling straight off.
- Remove the plastic separator by pulling straight out. You may need to twist slightly to loosen. (Fig 18)
- Clean the separator with dish soap and water or in the top rack of the dishwasher.
- Dry the separator thoroughly on both sides.
- Using a clean cloth or paper towel, thoroughly dry the cold water reservoir.
- Place the separator back in the dispenser. Make sure the long, tapered end of the separator is positioned firmly on the metal plug on the bottom of the reservoir.
- Replace the support collar and turn clockwise until it is firmly in place.
- Install a full water bottle on the dispenser.

**MAINTENANCE**

**(cont)**

**IMPORTANT**

Periodically the Water Dispenser tanks must be sanitized to prevent unpleasant tastes in the water and be cleaned to remove mineral deposits that can impair water flow.



**DANGER**

**WARNING: SHOCK HAZARD**  
Unplug the water dispenser before cleaning the unit.

**Sanitizing and Cleaning the Water Tanks:**

To Sanitize:

**IMPORTANT**

Set both power switches (found on the back of the dispenser) to the OFF position and unplug the water dispenser before cleaning.

▶ NOTE: For first time installation, skip next 3 steps.

- Empty the water bottle, and then remove it from the dispenser. (If you are using Bottled Water)
- Drain the water tanks (see Draining Instructions).
- Reinstall the silicon stopper and drain cap (see Draining Instructions).



**DO NOT ADD BLEACH FIRST OR DIRECTLY TO THE DISPENSER.** Concentrated bleach may damage plastic.

- Add 1/2 teaspoon (2.5 ml) of ordinary 6.0% maximum household bleach to a 2-quart (2 liter) pitcher filled with tap water.
- Pour the solution in the opening at the top of the dispenser.
- Repeat last two steps until the dispenser is full.
- Press the hot and cold dispenser buttons until the water just begins to flow from the faucets.
- Allow to sit for 15-20 minutes.
- Rinse out the bleach solution.
- Drain the water tanks into a large bucket (see Draining Instruction).
- Make sure that the silicon stopper is **NOT** installed.

**IMPORTANT**

Remove the separator and wipe out the cold water reservoir (see Cleaning the Separator).

- Clean, then reinstall the separator and collar (see Cleaning the Separator).

## **MAINTENANCE (cont)**

### Sanitizing and Cleaning the Water Tanks:

#### To Sanitize: (cont)

- Pour approximately 1 gallon (4 quarts or 4 liters) of fresh tap water into the top and allow to drain into the bucket.
- Flush with an additional 1 gallon (4 quarts or 4 liters) of fresh tap water and allow to drain into the bucket.
- Reinstall the silicon stopper and drain cap (see Draining Instructions).
- Plug in the dispenser. Then turn on the power switch (on the back of the dispenser).
- Dispense 1 quart (1 liter) of water from each faucet and taste to make sure the bleach solution is completely removed.
- If you continue to taste the chlorine from the bleach solution, repeat steps 11 – 20 until the taste is gone.

### Removing Mineral Deposits left from 'Tap' Water:

- Mix 2 quarts (2 liters) of water with two quarts of vinegar OR mix 1 gallon of water (4 liters) with 16 ounces (454 g) of citric acid crystals. Bleach does not remove mineral deposits. Do this in place of step 6 above when removing mineral deposits.

### Preparing for Vacation:

For long vacations or absences, set power switch (on back of the dispenser) to the OFF position.

- Unplug the water dispenser.
- Remove the water bottle (If using one

## MAINTENANCE (cont)

### Preparing for Vacation: (cont)

- Drain the water tanks (see Draining Instructions)
- Dry the separator thoroughly on both the top and bottom (see Cleaning the Separator).
- After returning from vacation, make sure to sanitize the water tanks before using the dispenser (see Sanitizing and Cleaning the Water Tank).

### Water Dispenser Maintenance:

- Always turn your water dispenser off when there is no water left in the bottle or when you are changing bottles. Turn it back on after the new bottle has been placed and the air purged from the dispensing buttons.
- To clean the unit, first unplug the power cord. Wipe the outside of the water dispenser with a soft cloth dampened with liquid dish washing soap. Use toothpaste to remove spots on the cabinet.
- The quality of the water being dispensed is determined by the cleanliness and care given to the machine.
- Regularly (once a month) remove the air filter (Fig 19 & 20) and rinse with cool running water to remove all dust and dirt particles. After allowing to dry, simply re-insert in the original space provided.

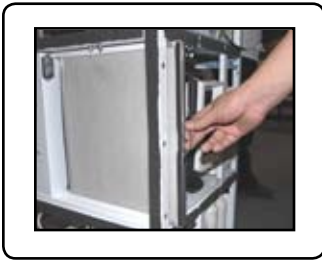


Fig 19 Removing Air Filter

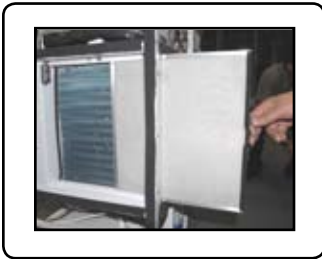


Fig 20 Replacing Air Filter

### Bottled Water Use Maintenance:

- Twist the bottle receptacle of the no-spill system counterclockwise and pull it up.
- Take apart the no-spill system by unscrewing the base (piercing pin). Then proceed to wash it with a dish washing fluid, rinse it and re-assemble.

**MAINTENANCE**  
**(cont)**

Bottled Water Use Maintenance: (cont)

- Empty tanks by removing the cap and rubber gasket around drain plug located on the rear of the unit.

Tap Water Use Maintenance:

- Clean the inside of the water dispenser periodically with CLR solution (calcium, lime, rust removal) available at most hardware stores. If not available, you can use vinegar or a 2 % citric acid solution. This removes mineral scaling caused by the water. Rinse it well. Use the drain on the back in order to get the water out. Replace the drain plug after you have completed the rinsing. Put all of the parts back, securely fasten the drain plug.

---

**IMPORTANT**

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IT IS IMPORTANT TO LET THE WATER DISPENSER DRY FOR AT LEAST TWO HOURS BEFORE PLUGGING IT BACK IN.

Cover the bottle receptacle to prevent it from contamination.

- The harder the water you use, the more often you should clean the interior of the unit. Recommended intervals are between one to three months depending on the mineral content of the water and the frequency of bottle changes.

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**TROUBLESHOOTING  
GUIDE****SpaceOne™**Multi-Source Atmospheric Water Generator

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**PROBLEM:**

The cooling power switch is turned on, but the compressor is not starting up.

**SOLUTIONS:**

- Check for proper power voltage and that the power cord is plugged in properly
  - If the water dispenser is bought in from outside in the winter time, give it a few hours to warm up to room temperature before plugging it in. The thermostat setting may be affected by the coldness of the water dispenser itself or the bottled water. If the ambient (room) temperature is lower than the thermostat setting, or the water dispenser itself is cold, then the compressor will not start up. It is not advisable to make any adjustments to the thermostat setting before the water dispenser and bottled water is warmed up to normal room temperature.
- 

**PROBLEM:**

The water dispenser operation is noisy.

**SOLUTIONS:**

- Check if the water dispenser sits on a level surface without rocking. If the water dispenser is noisy after its first use, unplug the water dispenser for 1/2 hour, and then start it up again.
- 

**PROBLEM:**

The compressor works non-stop.

**SOLUTIONS:**

- Turn thermostat down counterclockwise. Once the compressor has stopped, re-adjust
-

## TROUBLESHOOTING GUIDE (cont)

it to your preference. Do not cause the compressor to start and stop frequently.



**PROBLEM:**

The cold water is warm.



**SOLUTIONS:**

- The refrigeration thermostat is set at the warm position



**PROBLEM:**

Water is leaking from the dispenser.



**SOLUTIONS:**

- A calcium deposit has formed in the tap; if so, wash the inside of the water dispenser with CLR.



**PROBLEM:**

Water is dripping out of the water dispenser and onto the floor.



**SOLUTIONS:**

- The bottle may have small pinholes.
- The drain plug in the rear is not fastened properly. Check that the soft rubber seal is not torn or damaged.

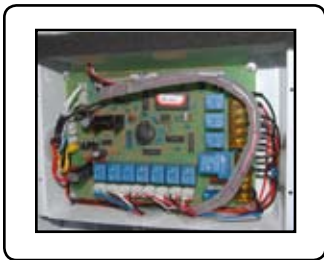


Fig 21 PCB Motherboard

If any other functions are not working, then open the rear panel, and check that all the connectors are well inserted and firmly placed on the PCB Motherboard as illustrated. (Fig 21) It is imperative that all electrical connections are properly placed in their allocated connection spots.

**TECHNICAL SPECIFICATIONS**

**SPACE ONE™ TECHNICAL SPECIFICATIONS**

Capacity Liters:	6.6 Gallons/26 Liters per 24 hrs
Power Source:	110v/60 Hz or 220v/50 Hz
Power Input:	0.55 kW / 5.2 Amps
Power Consumption:	0.55 kW per liter
Refrigerant:	R22 or R407
IDEAL WORKING CONDITIONS:	
Temperature:	25-38° C
Humidity:	70 - 85% RH
UV Sterilizer Lights:	1 x 4W + 2 x 11W
Water Tank Volumes:	Lower: 2 Gallons / 9 liters
	Upper: 2.25 Gallons / 10 liters
Noise Level:	55 dB

**CUSTOMER SUPPORT**

How to contact us:

Telephone 800-429-2677 (M – F 10:00AM-4:30 PM EST)

E-mail: [info@airwatercorp.com](mailto:info@airwatercorp.com)

Or contact the local distributor from whom you purchased your machine.

**WARRANTY**

LIMITED 1-YEAR WARRANTY;  
Refer to attached Warranty Card.

Warrantor: Air Water Corporation, Miami Beach, FL 33139

Once all the procedures have been performed, if your machine still does not work, or does not work correctly and efficiently, **DO NOT** try to perform other repair procedures yourself. Always call a qualified service technician or your local dealer to look at the machine and perform the necessary and applicable repair procedures. Air Water is not responsible for any damage(s) that may be incurred as a result of self-repair. In such an event, all warranty(ies) will become null and void.

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