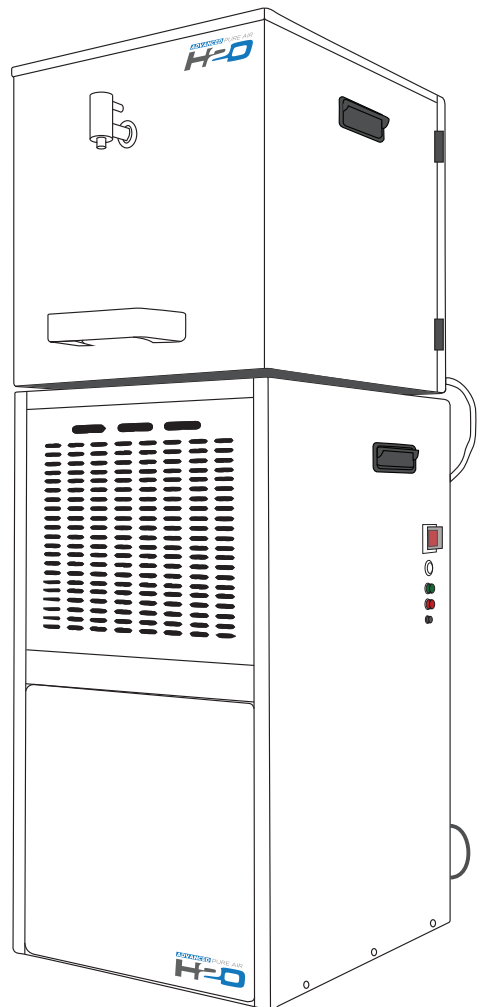




# Atmospheric Water Generator

## Owner's Manual

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Produced and distributed exclusively by:



# Before First Use

Leave the Atmospheric Water Generator (AWG) standing upright and outside of the box for at least 24 hours before plugging it in.

The AWG may have been tilted or placed upside down during shipping. Leave the AWG standing upright for at least 24 hours so the oil in the compressor can settle from shipping. Not doing so can affect the performance and lifespan of the AWG.

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# Safety Information & Precautions

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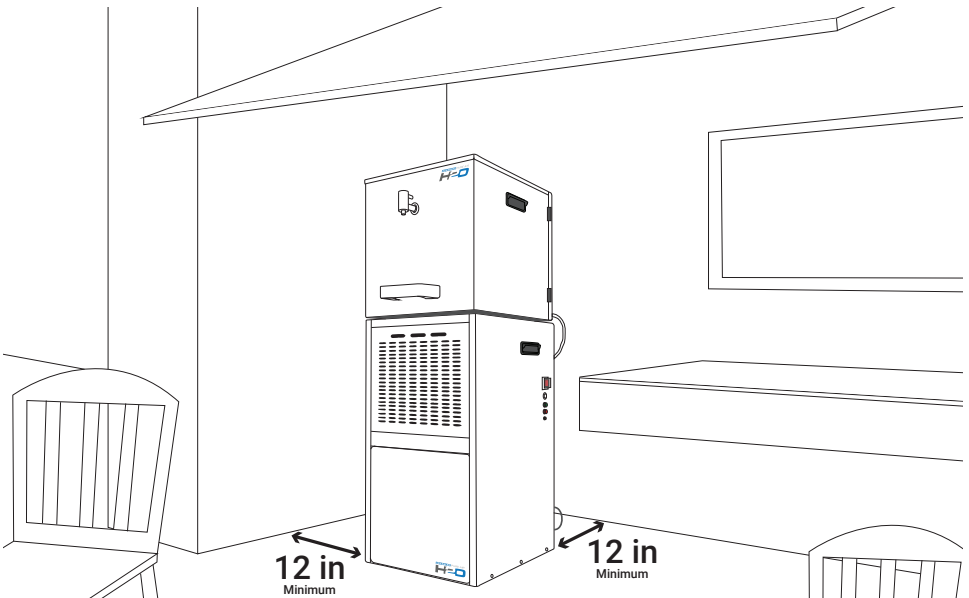
To prevent injury and property damage, the following instructions must be followed when using the Atmospheric Water Generator (AWG).

- Install the AWG on a flat surface to minimize vibration and/or noise.
- Inspect the power cord before use. Never operate the AWG when the power cord or plug is damaged.
- Do not insert or unplug the power cord with wet hands.
- Do not share the electrical outlet with other appliances.
- Always use replacement and maintenance parts supplied by Real Spirit USA/H2O Machine. Failure to do so will void the warranty.
- Insert the three-prong plug on the power cord into a matching electrically grounded outlet (110-120V/60 Hz, 15A at least).
- Never cut off the third prong. Do not modify the power cord length.
- Do not operate the AWG in standing water. Keep motor and wiring dry.
- Never immerse the AWG into water or other liquids.
- Do not put the AWG close to heat-generating devices, including flammable or dangerous materials.
- Unplug the power supply before cleaning or storing the AWG. Always grasp the plug (not the cord) to unplug.
- Do not put fingers or other items into the air inlet or air outlet.
- Never insert any other objects into the AWG body.
- Do not sit, stand or put heavy objects on the AWG.
- Make sure to turn off and unplug the AWG before cleaning.
- Keep the AWG away from any toxic gases or liquids.
- Disconnect the power if strange sounds, odors, or smoke come from the AWG.
- Do not operate or turn off the AWG by plugging in or unplugging the AWG, use the power switch instead.
- This AWG should only be used by adults who have read the manual and understand the operating procedure of the AWG.

# Safety Information & Precautions

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- The AWG is not to be used or intended to be used by person (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision, or instruction by an adult or person responsible for their safety.
- Children should be supervised to ensure they do not play with the AWG.
- The minimum distance between the AWG and surrounding objects when using the AWG is at least 12 inches with nothing placed on top of the AWG.

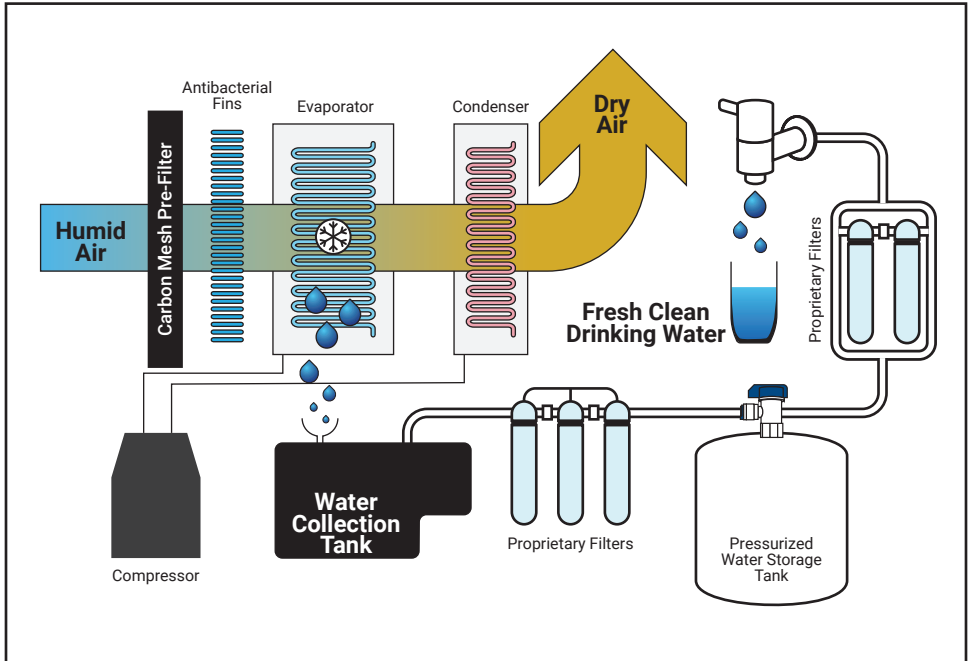


- When the AWG is running, do not tilt the AWG to avoid water in the pump from overflowing.
- Keep the AWG in an upright position.
- If the AWG is going to be exposed to freezing temperatures, all the water in the tanks and filters must be drained, and the appliance must be unplugged. See page 11 for details.
- Good ventilation is required to ensure optimal performance.

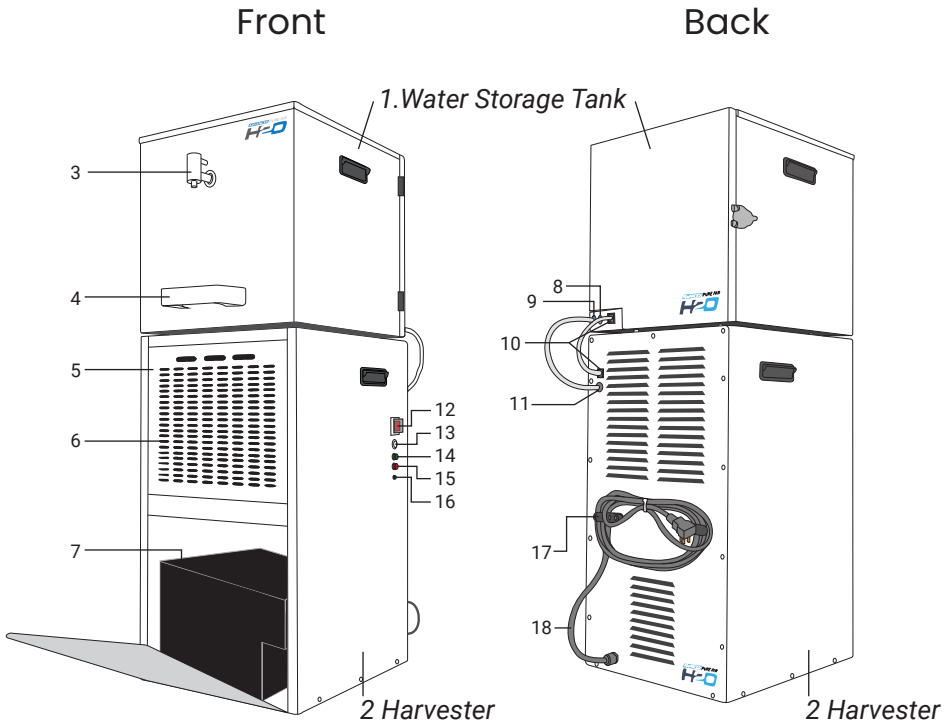
# How it Works

An atmospheric water generator (AWG) is a device that extracts water from humid ambient air. Simply put, the AWG captures and filters humid air around you bringing it to its dew point. The water is then collected and filtered again to create safe, healthy, filtered alkaline drinking water virtually anywhere.

Our patented technology filters the air and cleans the water to eliminate pathogens that may be present. Multiple patent designer **Richard Mayer** has more than 10 years of research and design regarding Atmospheric Water Generators (AWG). The filtered water dispensed contains an extremely low (near 1) Heterotrophic Bacteria count. The stored water stays contaminant-free while in the Water Storage Tank and passes through two last filters before being dispensed.



# Parts Identification



- |                                |                         |                           |
|--------------------------------|-------------------------|---------------------------|
| 1. Water Storage Tank          | 7. Water Collector Tank | 13. Wifi                  |
| 2. Harvester                   | 8. Water Out (Optional) | 14. Operation             |
| 3. Chrome Faucet               | 9. Water In             | 15. Full                  |
| 4. Water Drip Tray             | 10. Ethernet            | 16. Reset                 |
| 5. Pre-Filter Grill            | 11. Water Out           | 17. Power Cable Organizer |
| 6. Charcoal Mesh<br>Pre-Filter | 12. On/Off              | 18. Power Cable           |

Note: Do not obstruct the air inlet or outlet.

Note: The technical parameters of this AWG are subject to the nameplate of the product.

# Operating Instructions & Setup

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## Step 1

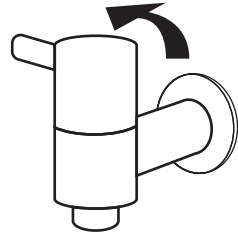
Unpack your atmospheric water generator (AWG) and carefully remove all the tape and cardboard used in shipping.

Inside the dispenser (water storage tank) box you will find tubing, an Interface Cable, and water drip tray.

**Note:** Find a flat, leveled location out of direct elements, like sun and rain. Winterize the unit below 40 degrees.

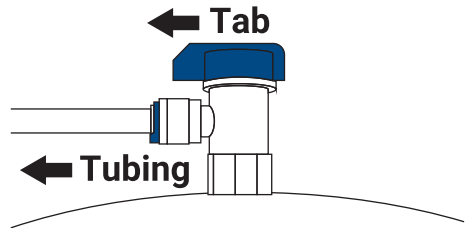
## Step 2

Twist the chrome water outlet into the open position (counter clockwise), and leave open. We will close it in Step 6.



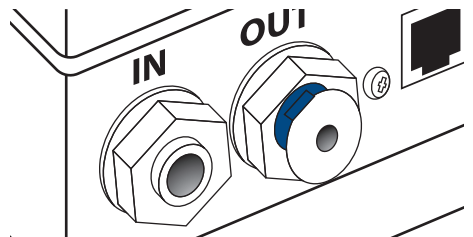
## Step 3

Next inside of the top box turn the pressurized tank into the open position, the tab will be parallel to the white hose.



## Step 4

Remove the blue clip with a flathead screwdriver and remove the white stopper from the IN (LEFT) with the Stopper Removal Tool.



**Note:** The Hoses and Plugs are a compression collet. You will need to push the collet IN to remove the plugs and/or hoses.



**Stopper Removal Video**

Visit: <https://bit.ly/3lDyaty>

Or Scan QR Code with your Smart Phone Camera



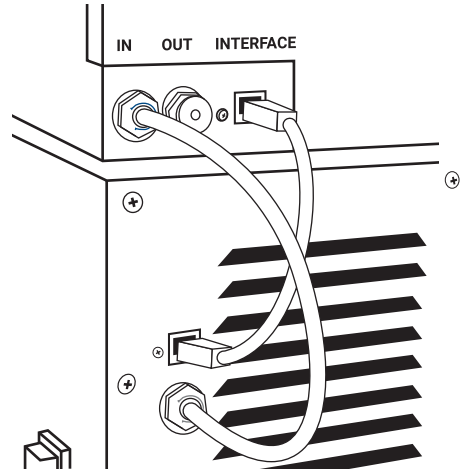
# Operating Instructions & Setup

## Step 5

Take the small white plastic tubing and connect the top (IN) and the bottom box. Push the plastic tubing in about a 1/4 of an inch. Replace the blue clip to secure the tubing in place.

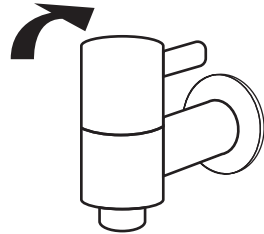
Next connect the interface cable to the Storage Tank and Water Generator unit.

**Note:** Make sure the tubing and interface cable are secured in place.



## Step 6

Close the chrome water outlet on the front.

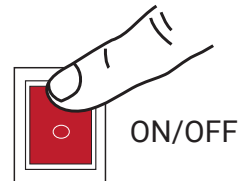


## Step 7

Plug the Water Generator directly into an appropriate outlet. DO NOT use surge protectors.

## Step 8

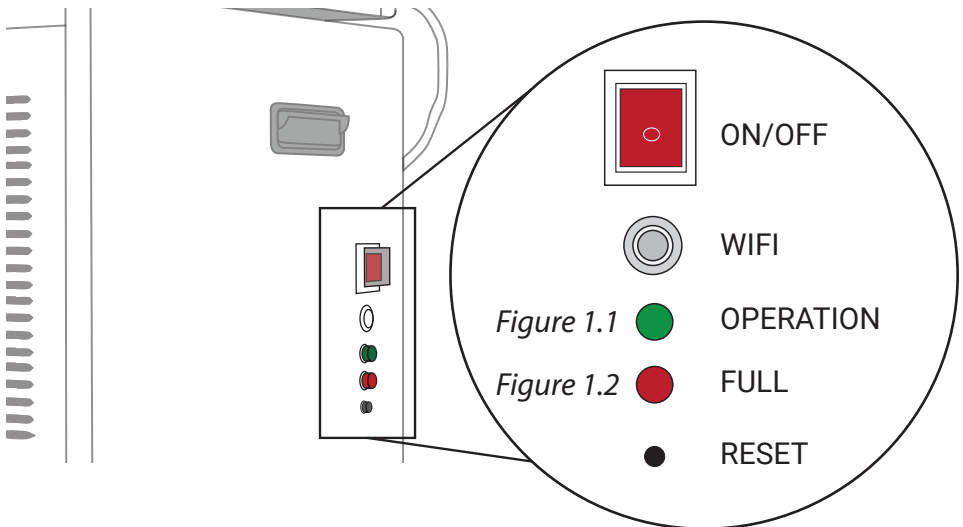
Turn on the Water Generator by pressing the ON/OFF switch into the ON position.



# Operating & Setup Notes

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- When turned on the compressor will activate in a few minutes, if your humidity is above 30-40% you will start creating water. You should see water production within 48-72 hours. Do not turn off or unplug the unit during this time.
- For new filters or initial setup, when water first flows it flushes out some of the carbon which turns the water gray. Let the water run until clear, and only consume in survival situations. It is not harmful.
- The H2O Machine will stop producing water around 30-40% humidity, but it will continue to be running.
- Green light means the H2O Machine is working. (Figure 1.1)
- Red light means the storage tank is full. (Figure 1.2)
- Sometimes the indicators need time to calibrate, and may not display correctly at first.
- The filters should be changed every 12 months, including the initial black storage tank, and charcoal mesh pre-filter.
- To see an installation video or to winterize the unit, please visit our website or YouTube channel.



# Maintenance

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Ensure the Atmospheric Water Generator (AWG) is turned OFF and the plug is removed from the power socket before performing cleaning or maintenance.

## Replacing the Filters

The AWG creates purified great tasting water from the air by following the recommended filter replacement schedule.

Filter 01-05 replace every 12 months or 4000L (Roughly every 1,000 gallons)

Replace the pre-filter with every filter 01-05 replacement, or when contaminated.

Filters 01-05 and the pre-filter must be replaced when winterizing or storing the AWG for more than 4 weeks.

### 1. How to replace the Filters 01-05

- A. Open the Water Storage Tank with the latch.
- B. Locate the 5 different filters.
- C. One-by-one firmly grasp the top and bottom of each filter and twist the bottom a quarter counterclockwise.
- D. Locate the new filters and do the reverse of the previous step, ensuring the rubber caps are removed from the new filters.
- E. Firmly grasp the top and bottom of the filters, and twist the filter a quarter clockwise to correctly seat the new filters.
- F. The water that comes out will contain filter particles, this is completely normal. Run the AWG until the water runs clear. Approximately 2 Gallons.

### 2. How to replace the Charcoal Mesh Pre-Filter

- A. See Pages 9-10 for full instructions.

# Maintenance

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## Cleaning the AWG

Be sure to unplug the AWG from the wall outlet before starting any cleaning processes.

Clean the AWG housing with a soft damp cloth. Do not submerge or place water on the AWG. Water may damage the electrical components of the AWG. Do not use chemical solvents such as benzene, alcohol, gasoline, or other heavy-duty cleaners. A mild detergent is acceptable. The surface may become damaged or deformed if improper chemicals or detergent is used.

## Cleaning the charcoal mesh pre-filter

The working performance of the AWG will greatly reduce if the filter becomes blocked. The filter should be cleaned approximately every 2 weeks and may require more frequent cleaning or changing if there is significant dander or fur in the air. The filter is located behind the inlet grill.

Follow the steps below to take the filter out:

### 1. To remove the grill:

- A. Locate the 3 elongated holes at the top of the grill.
- B. Grab hold of the grill on the left and right elongated holes.
- C. Pull out and lift up toward you to remove the grill.

### 2. To Remove the charcoal mesh pre-filter

- A. Locate the 3 metal rods holding the pre-filter in place & locate the three corresponding holes on the top of the grill.
- B. Feed the 3 metal rods though the top of the grill through the corresponding holes. Be sure to keep track of these metal rods, as they are required to insert the new/cleaned pre-filter. You will not be provided new ones in your replacement kits.
- C. Gently pry the pre-filter from the top and bottom channels.

# Maintenance (cont.)

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## Cleaning the charcoal mesh pre-filter (cont.)

### **3. Follow the steps below to clean the filter.**

- A. Use a vacuum cleaner to remove dirt from the surface of the filter, or rinse the filter with warm water and mild detergent and place it in a cool place to dry thoroughly. Do not use sun exposure or other high-temperature heating methods to dry the filter, which will deform it.
- B. If your filter is too dirty or is breaking apart, you will need to replace it. Contact us at 888-601-5886 for replacement parts.

## Replacing the charcoal mesh pre-filter

### **1. Follow these steps to replace the pre-filter:**

- A. Find the top and bottom channels on the inside of the grill.
- B. Wedge the new/cleaned pre-filter into these channels.
- C. Locate 3 metal rods and corresponding holes on the grill and channels.
- D. Feed the 3 metal rods OVER TOP of the pre-filter and set into the 3 corresponding holes.

# Maintenance (cont.)

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## When not using the AWG for more than 4 weeks & Winterizing

1. Unplug the AWG from the wall.
2. Drain your tanks and lines by opening the chrome faucet (which will be left open during storage) allowing the water to dispense.
3. Remove and discard the 5 filters from the water storage tank.
4. Disconnect the Ethernet and water line connecting the harvester and water storage tank.
5. Remove initial black storage tank from the bottom of the harvester where the magnetic door opens.
6. How to open the magnetic door on the harvester:
  - A. Firmly push the top left and right of the door, the door will prop open.
  - B. Pull down the door so it is resting close to the ground.
7. Find 1/4in white hose line connected to the black tank, remove the blue clip and remove the white 1/4in line. Discard the black tank only; be sure to save the attached hardware for installation of a new black tank.
8. Blow air through any white 1/4in lines to push remaining water out.
9. Wrap the power cord to keep it safe.
10. Cover the AWG with a plastic bag.
11. Store the AWG upright in a dry, well-ventilated place.

# Frequently Asked Questions

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## Product Information

### **Will it overflow when its full?**

No, the H2O Machine will shut down when the water storage tank is full.

### **Does this use UV light?**

No, the H2O Machine does not have UV or UVC lights.

### **Is this reverse osmosis?**

No, reverse osmosis wastes, and creates unhealthy acidic water.

### **Is the water alkaline?**

Yes, depending on your environment you can expect water with an alkalinity between 7.0-8.5 pH

### **What is the pH of the water?**

Depending on the environment, you can expect 7-8.5 pH

### **How long is the warranty and what does it cover?**

The H2O Machine has a 5 year iron clad warranty that covers everything and a 10-year warranty on the compressor.

### **How much water can be produced?**

The H2O Machine will make up to 15 gallons per day depending on humidity and temperature.

### **Are there Hot/Cold features?**

No, there are no temperature controlling abilities.

### **Are there a lot of moving parts?**

No, there are almost no moving parts that can fail.

### **Is this water safe to drink?**

Yes create safe, healthy, filtered alkaline drinking water virtually anywhere. With a bacteria count near 1ppm, the water is both SAFE and HEALTHY to consume.

### **Will they work in dryer climates?**

Depending on exact use, dryer climates are not ideal for an Atmospheric Water Generator.

### **When can I expect to produce water?**

After around 48 hours of the machine running, you can expect to

# Frequently Asked Questions (cont.)

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## Product Information (cont.)

create water. The system needs 48 hours to cycle and communicate.

### **Is the machine heavy?**

We recommend a two person lift whenever moving the H2O Machine around.

### **What is this black button?**

It's a reset button. Rarely used to reset the on board circuit board while not restarting the compressor.

## Operation Questions

### **What temperature and humidity do I have to have for the water machine to work?**

The AWG requires at least 40% humidity and temperatures above 40 degrees F to operate.

### **Can I use solar to power the AWG?**

The H2O Machine is solar compatible. Bring your own kit.

### **Can I add additional storage tanks?**

Yes, the H2O Machine allows you to daisy chain additional water storage tanks of your choice to the unit to continue to make water when the inner tank is full.

### **Where do these machines work?**

The machines will work virtually anywhere with 40% humidity.

### **Do they work in the desert?**

Depending on exact use, dryer climates are not ideal for an Atmospheric Water Generator.

### **Can you power it with a generator?**

Yes, a 110v plug is used.

Visit

[h2omachine.com/pages/faqs](https://h2omachine.com/pages/faqs)

for more information.



# Warranty

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**KEEP SHIPPING BOX**

In Case Of Returns, Keep Your  
Shipping Box For 30 Days

## **Warranty and Satisfaction Guarantee**

Real Spirit USA's Lifetime Limited Warranty – Including Our 60-Day Satisfaction Guarantee.

### **Satisfaction Guarantee**

Refunds will not be made for any shipping and handling charges and will be deducted from the refund for any refused packages including "Return to Sender". This includes all LTL shipments.

For the first 5 years from the date of original purchase, we warrant the entire unit to be free from defects in materials and workmanship under normal operation (not including wear and tear use), we will repair or replace any defective part(s) or, at our discretion, replace the entire unit free of charge. After the first 5 years, we continue to stand behind your purchase for as long as you own it. Should the unit need to be repaired, we will provide the replacement parts at no charge to you. You will be responsible only for the cost of handling and labor to replace the parts. Third-party or reseller purchases are excluded from all warranties, with an exception for verified dealers. Should the estimated cost to repair the unit exceed 50 percent (50%) of the unit's original suggested retail price, we will provide you the customer with an entirely new replacement unit of equal or greater original value for 50 percent (50%) of the original suggested retail price. The compressor carries a 10-year warranty, we warrant the compressor to be free from defects in materials and workmanship under normal operation (not including wear and tear use), we will repair or replace any defective part(s) or, at our discretion, replace the entire compressor free of charge.

Whether in the first 5 years or subsequently, upon discovery of a product defect, you should immediately notify Real Spirit USA, Inc via telephone or email of the exact problem you are having to the best of your knowledge. If it is determined to need an additional diagnostic inspection, then we will provide you with instructions. The customer is responsible for the cost of shipping the unit to the service facility. Third-party or reseller purchases are excluded from all warranties. However, following repair or replacement, Real Spirit USA will cover the cost of shipping the unit back to the consumer within the contiguous United States. Customers outside the contiguous United States must also cover the cost of return shipping following repair or replacement.

# Warranty (cont.)

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The warranty does NOT cover or include unusual wear, use of third-party equipment, damage resulting from accident or unreasonable use, and also does not include replacement filters nor other disposable parts and supplies (Examples are cracked handles, scuffs, damage from solar, broken swivel spout, cut power cord, etc.). \*Unreasonable use also includes using the unit outside of North America and in countries where the voltage may be higher than 110/120 Volts, which is the normal operating range of our products. \*\*Additionally the warranty will become VOID should the case seal be broken and the tamper system activated which shall indicate the unit cabinet was opened for purposes other than authorized by the company. It should be noted that any electronic unit should be serviced only by an authorized service technician duly certified by Real Spirit USA, Inc. All warranties are non-transferable and remain registered to the original purchaser.

## **Water Damage Liability Statement and Waiver**

Real Spirit USA, Inc accepts no liability, nor offers any warranty or remedy for damages of any kind in regard to water damage caused or reported to be caused by leaks from hoses, fittings, or directly from any of our products.

Further, Real Spirit USA does not warrant or accept any liability in regard to installation. Any installation is the sole responsibility of the owner or the third-party installer, plumber, or contractor.

Basic care and maintenance by the owner/ user of this equipment is entirely the responsibility of the purchaser-owner/ user, as Real Spirit USA assumes no responsibility for misuse, faulty installation, or variations in water pressure or quality. Other than what is expressed in our products warranty, Real Spirit USA accepts no additional liability for these foregoing statements or other 'Acts of God'.

By acceptance of delivery and installation, you agree to hold Real Spirit USA, Inc harmless for any water damage caused by leaking water or for any other reason.

# Product Specifications

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Product Name	Atmospheric Water Generator
Model/Part Number	APA-H2OAWG-001
Power Usage	110-120V/60 Hz. Wattage: 1000W Max. 7.8 Amps. 836W
Dimensions	<b>Combined:</b> 14.5" W x 16.5" D x 42.5" H <b>Water Storage Tank:</b> 14.5" W x 16.5" D x 15" H <b>Harvester:</b> 14.5" W x 16.5" D x 27" H Add 1" Depth for Power Cord organizer
Water Generation Capacity	Up to 15 Gallons per day
Working Temperature	40°F – 90°F
Working Humidity	40% - 100%
Water Storage Capacity	Approx. 4 Gallons
Solar Compatible	Yes

# Contact Us

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All customer service and technical support is provided by  
Real Spirit USA

**Customer Service**  
**(888) 601-5886**

Monday - Friday  
9am - 4pm PST

[Help@RealSpiritUSA.com](mailto:Help@RealSpiritUSA.com)



**For Installation and Support Videos:**

Scan the QR Code with your  
Smart Phone Camera

or Visit: <https://bit.ly/3yQIKX5>

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