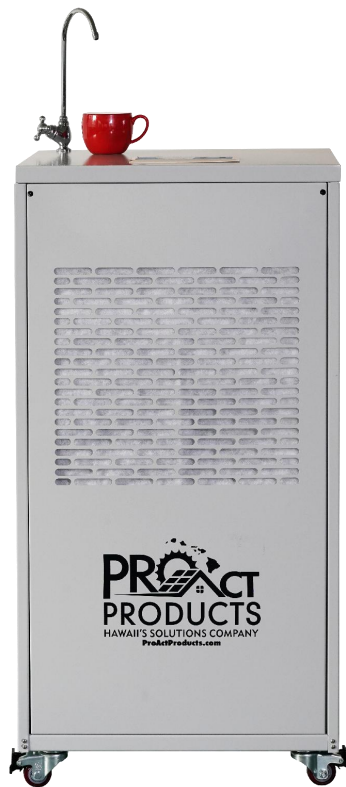


# Operation Manual

**KM-100L**



Thank you for purchasing this AWG product.  
Please read this booklet carefully before use.

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## I . INTRODUCTION

Thank you for purchasing the atmospheric water generator. This water equipment is one kind of advanced commercial environmental protection water equipment, the especially qualify in the coast, the islands, the ships and the field work provides tap water. It has used in the profession the most advanced technology. This water generator put the air condensed water system and the water purification decontamination system combines in together, enhances the air to take the hydro-energy strength greatly, has solved the public place and the adding water demand big environment.

## II . OPERATING PRINCIPLE

**A:** This machine mainly makes the water from the humidity in the air. In other words, it totally relies on the water vapour in the air to make water. The best water making can only be achieved under the ideal environment where the humidity is around 70%--80%. Water also can be made in places with low humidity, but the speed is slow. This is also the same case for places with high humidity and low temperature. So it is better to test the humidity of every position in a room before the machine placed. In a living house, positions near the kitchen or window, or spacious places, will see high humidity.

**B:** If you want to reach the best operating state, the temperature of ambient environment is very important, with the ideal temperature of 24°C--29°C. However, this does not mean that the machine will fail to work in places where the temperature is higher or lower. More drinking water will be produced at faster speed under ideal temperature. So it is necessary to measure the temperature before placing the machine.

**C:** As water is made by converting the water vapour in the air, this machine will become a very powerful humidity intake. Therefore, for the sake of health, please use this machine only in rooms where the humidity is ensured, or when the window is opened and the indoor and outdoor air exchange is available.

### **D: Multi-Stage Filtration System**

Our dedication to providing high-quality, great tasting water to our consumers is accomplished by our unique multi-stage filtration system.

1) Carbon Filter or Nanometer Molecular Sieve

Remove ammonia, chlorine residuals, organic compounds, soil particles, dirt, etc.

2) Sediment filter

Remove micro particles to protect water pump.

3) Reverse Osmosis Membrane

Remove dangerous bacteria, virus, mineral salt, heavy metal, organic compounds, etc.

4) Post-Carbon Filter

Remove volatile organic compounds and improve water taste and smell.

5) Top Tank UV Sterilization

Minimize bacteria level in top tank to the least amount.

### **E: Water Recirculation**

Our patented exclusive technology ensures that stored water remains fresh and clean and avoids second pollution.

### **F: Overheat Protector**

Overheat protector offers further protection for your machine. In case of overheat in hot pot during heating process, this protector will automatically shut off heating

device.

**G: Novel and Noble Body**

The Atmospheric Water Generator has a smaller and sleeker design compared to other Generators in the market. The unit is more compact and versatile. Advanced VFD displayer is added to make the operation, air humidity and water quality conditions more clearly and directly to understand.

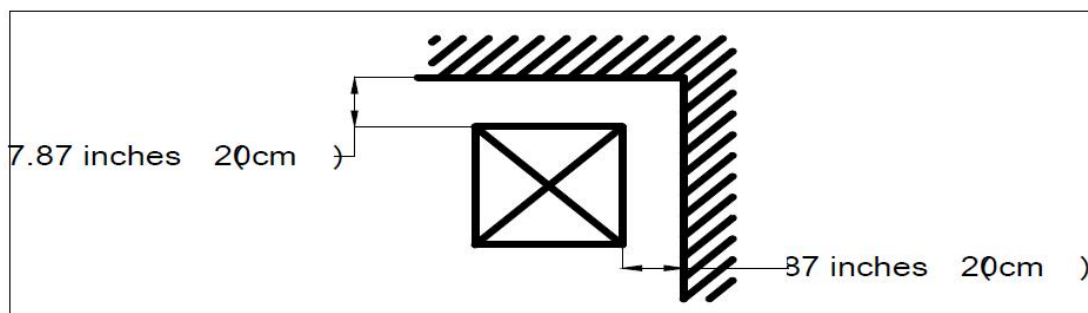
**III. SAFETY NOTES**

1. The socket should be equipped with reliable protection earthing.
2. Do not remove earthing terminal from the power cord.
3. Do not use extension plug nor extension adaptor.
4. Always keep the unit from poisonous gas and liquid.
5. Do not use damaged electrical plug or power cable.
6. Unplug power cord before maintenance.
7. Do not share the electrical socket with other high-power consumption appliance.
8. Always use correct replacement parts.
9. Do not unplug power cord with wet hands.
10. Use the enclosed water pipe kids to connect with city water input. Do not use any old water pipelines to connect to the unit.
11. When moving the machine, please unplug the power cord and empty water in all tanks. Do not tilt the machine more than 20° during moving.

**IV. PRODUCT STRUCTURE AND KEY EXPANATION**

**V. INSTALLATION & OPERATION**

Do not place the unit too close to the wall. Best performance is obtained when the unit is placed at least 20cm from the wall.



1. This machine must connect the external tank: connect the machine outlet with the external tank (100 L above), one ball float valve need to be installed in the external tank:

2. Prolonged exposure to direct sunlight;
3. Keeps the unit working in standing position;
4. Operating voltage must not drop below 10% of standard Power supply. When the unit operates below this level, the unit becomes noisy with the possibility of overheating. When this occurs, immediately switch the unit off until the voltage returns to normal;
5. Avoid prolonged direct eye exposure to ultraviolet device as it may damage the eye;
6. This unit is not suitable for use at places with spray water. Do not use spray water to clean the unit;
7. To prevent the machine from damage caused by freezing, please drain off the remaining water and stop operating the machine if the environment temperature during its working is below 0°C.
8. If there is any damage to the power cables, the cables must be repaired or replaced by an authorized person to avoid danger;
9. For the condition of operating on uneven ground, a fixer should be mounted to the unit.
10. Do not place any object on top of the machine. Good ventilation is required to ensure optimum performance.
11. Separately press the four "Power" button on the Operation panel, the machine starts to work.
12. Operation panel button instruction.
  - a: "Power" button: press this button to power on or power off.
  - b: "Humidity or hour increasing" button: set the increasing humidity, each time you press the button, the buzzer rings once, setted humidity increases 1%RH. Press "setting time/clock" for time(hour) operation.
  - c: "Humidity reducing" button: set the reducing humidity, each time you press the button, the buzzer rings once, setted humidity reduce 1%RH. Press "setting time/clock" for time(minute) operation.
  - d: When press "setting time/clock" button for first time, the clock on LCD screen flickering, can adjust the current hour and minute by "Humidity or hour increasing" or "Humidity reducing" button.  
 When press "setting time/clock" button for second time, boot time on LCD screen flickering, can adjust the current hour and minute by "Humidity or hour increasing" or "Humidity reducing" button.  
 When press "setting time/clock" button for third time, off time on LCD screen flickering, can adjust the current hour and minute by "Humidity or hour increasing" or "Humidity reducing" button.  
 When press "setting time/clock" button for fourth time, cancel the time setting model

**Notice:** humidity setted 30%RH when leave factory, please set between 28-35% RH according to local actual situation, don't exceed the scope.

Timer switch functions can adjust the machines work time according to water consumption, this machine can automatic stop and automatic start up after full water.

**Important notice:** For any part of the machine malfunction and replacing filter must be operated by professional's operation.

## VI. MAINTENANCE

1. Always keep the unit clean. Wipe the outer casing with soft, damp fabric to clean. Use water to clean, avoid using harsh cleaning agent.
2. Do not use cleaning agent to clean storage tanks.
3. Clean air filters regularly to ensure proper air flow.
4. Always drain out the remaining water from the tanks before a period of long inactivity.

## VII. CLEANING AND REPLACEMENT OF FILTERS

Recommended Timing for Filter Replacement (It might be verified according to different water consumption.):

PPF	3-6 months
CTO	6 months
UDF	6 months
UF	18 months
UV lamp	12 months or upon UV fault warning

### Note:

1. The above recommended service timing is for reference only.
  2. After a long period of service, we recommend that you replace the filters to ensure that your unit will always produce the cleanest and purest drinking water effectively.
- The above structure and filtration system is for reference only.

## VIII. TROUBLE SHOOTING

1. Producing water slowly:
  - Check the temperature and humidity suitable the machine working.
  - Check the air mesh if serious dust on it. If so, please clean.
  - Check enough place between the machine front and back.
  - Check the power supply voltage in the normal range
2. Power connection, the machine does not work
  - Check the machine power connection

## IX. TECHNICAL SPECIFICATIONS

Power: 110V/ 60Hz, 220V/50HZ

Rated input: 1.3KW    Refrigerant: R410a / Pour 550g

Maximum current: 8.5A

Production capacity: 100L/D

Standard condition: 75% / T: 27°C

### WATER PRODUCED CAPACITY FOR 24 HOURS

