

Owners Manual

ATLANTIS SOLAR
POWERED BY



<http://www.atlantissolar.com>

99.9% Pure Drinking Water

- No external piping needed.
- No more bottled water bill.
- Minimal amount of energy to produce water.
- No more hustle to grocery stores and lifting of heavy bottle water.
- No need for a Dehumidifier.
- Daily 99.9% pure drinking water for you and your children manufactured by nature, far exceeding EPA requirements.
- Protects your expensive furniture from over moist environments.
- Protects your family from inhaling dust, bacteria and fungus.
- Delivers the purest water and freshest air to your world removing microns. Utilizing high intensity UV (ultra violet), it eliminates any microorganisms including bacteria and viruses.
- Operated by a microcomputer control system, it will stop generating water when completely full.
- Average cost per gallon of pure drinking water is about 8 cents using our Atmospheric Drinking Water Generator.

20 Liter's

Atmospheric Drinking Water Generator

Product Introduction

Thank you for purchasing our atmospheric pure water dispenser. It is an advanced drinking equipment for household and public, especially suitable for coastal areas, islands and shipping etc. It has adopted the most advanced technology which has integrated water generation, water purification and normal water dispenser functions, with tight structure, reasonable design, simple operation, and friendly humanization.

This machine is controlled by micro-computer system to ensure the parts working perfectly. With dry-burning proof function and filtration system protection function inside, the machine will stop working when failure occurs to the filtration system.

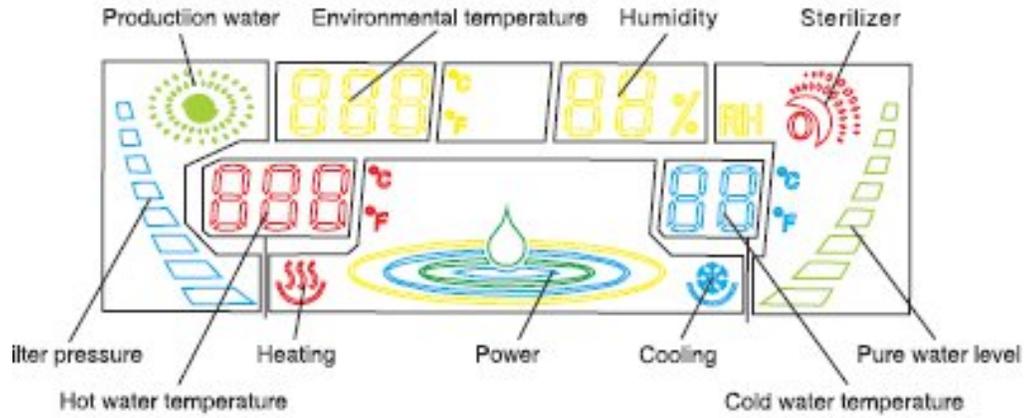
It has UV sterilization system to ensure to kill all the bacteria and animalcules in the water. Modularized filtration system will make it easy and convenient to replace the filter periodically.

Working principle

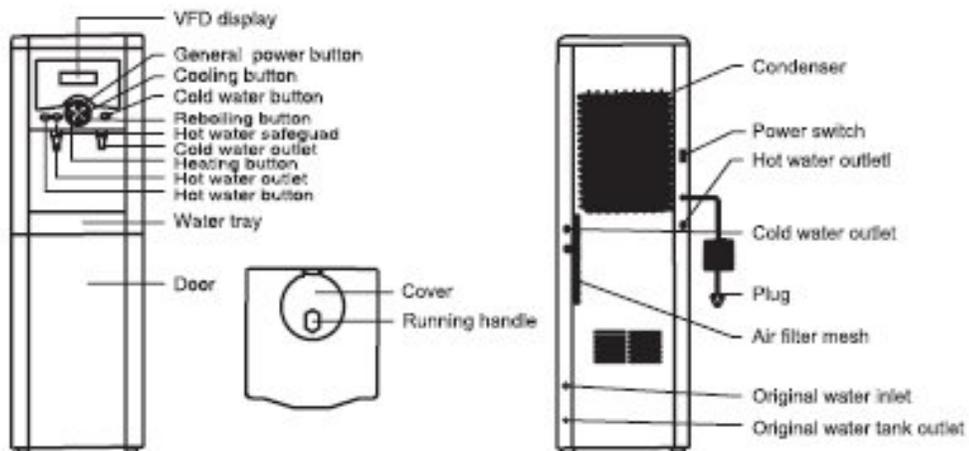
It is a water dispenser which depends on humidity in the air to produce water. The humidity between 70%~80% and the temperature between 24°C~29°C is good environment to achieve the best results for producing water. When the humidity is lower the production process will be slow, so does the lower temperature. We suggest that to measure the humidity and temperature of the room first and see if it is suitable before you place this machine .

As this machine depends on the humidity to transform air into water, it will work as a dehumidifying machine too. So please do not use this machine in the room which has certain requirement for humidity percentage.

VFD display note



parts illustration



installation and operation

1. Place the machine on level ground where has suitable humidity, keep the back 20cm away from the wall to ensure good ventilation, also keep left and right side 80cm away.
2. Please turn OFF the electrical supply switch on the back of machine before you insert the plug into the electrical sockets.
3. Turn ON the electrical supply switch, with a tip sound of "Di" it shows that the power has been connected correctly.
4. Press the "general power" button in the front of machine then it starts to work. "  " icon on the VFD display starts twinkling, in the meanwhile 2 light rows on the bottom of the water level icon as "  " begin to twinkle too. After the machine works for a period of time (for the first time, it will need more than 24hours) the water level display stops twinkling and all rows become bright, now you can press "cold water" button or "hot water" button. Only when the water comes out normally from the faucets that you can press the "heating" or "cooling" buttons.
5. Steps for heating water: press the "heating" button, the machine starts to heat water, then the icon "  " starts twinkling. When the hot water temperature reaches 92°C, the heating system will stop and "  " stops twinkling too. When the hot water temperature falls to 87°C the micro-computer controller will re-

start heating system. This machine has the reboiling function. When the heating system stops you can press the "reboiling" button, the heating system will resume to heat up water for 3 minutes, the hot water temperature will rise to 95°C–97°C then automatically stop heating. If you don't need hot water, just press the "heating" button again it will stop heating.

6. Steps for cooling water: Press "cooling" button, the machine starts cooling and the icon " ❄️ " twinkling, when the water temperature drops to 6°C the cooling system will stop working, " ❄️ " stops twinkling. When the water rises to 10°C, micro-computer controller will restarts cooling. If you don't need cold water any more, just press the "cooling" button again.
7. Drinking hot water:
 - 7.1) This machine has the hot water safeguard. Press "safeguard" button first then press the "hot water" button within 3 seconds, the hot water will come out.
 - 7.2) Stop hot water coming out: just press either "safeguard" or "hot water" button.
8. Drinking cold water: Press the "cold water" button the cold water will comes out. Press it again will stop the water coming out.
9. There's an opening at the top of machine for pouring drinking water manually into the machine when the humidity is low or temperature is too high that the process of producing water is too slow.
10. There's pipeline tie in the back of the machine, which can connect the machine directly to the drinkable water pipe and serve as a POU (Point-Of-Use) water cooler.

Maintenance

1. Cleaning the air filter mesh: depending on the air pollution situation, you should clean the filter mesh periodically. The water producing efficiency relates greatly with the permeability of filter net. We suggest you clean it every half of a month.
2. Cleaning the original water tank: remove the below board behind machine, take out sponge and clean it. (each month a time)
3. Filter replacing:
 - a. PPF, active carbon filter: Please turn off the power before you replace the filter. We suggest you replace the PPF filter every 6~8month, and active carbon filter 12~15months.
 - b. Replacing RO membrane: Open the RO cartridge, put the new membrane inside. Re-connect the water pipes correctly. We suggest you replace a RO membrane every 24~26months.

Note:

- a. The RO membrane is to be packed in a separate vacuum plastic bag when leaving the factory.  For the first time to use this machine, you should take it out then put the RO membrane into the cartridge before installing the machine.
- b. If 2 light rows on the bottom of the icon are twinkling, then the whole machine will stop working. Turn off

the power supply, inspect the filter system. Only after replacing the filters or solving the breakdowns can the machine be restarted.

- c. For filters replacing and any failure of the machine please contact the professional service.

simple breakdown fixing

1. The speed of production water is too slow:
 - a. Look into the VFD display to see whether the environmental humidity and temperature is in the normal range.
 - b. Check to see whether there is many dusts on the air filter mesh. Clean it periodically.
 - c. Be sure that there is enough space for both sides of machine.
 - d. Check the power supply to see whether it is in normal range.
 - e. Check to see whether the machine has been placed in the environment which has good ventilation.
2. Have the power supply but the machine does not work:
 - a. Check the electrical source switch to see whether it has been turned on.
 - b. Check to see whether the General power button on the front of the machine has been pressed

Technical data

Type of electricity–shock–proof: I

Power supply: 220V/50 110V/60

Rated input (heating): 500W

Heating capacity: 5L/H

Rated input (producing water): 220V/350W

110V/400W

Standard producing water capacity: 20L/24H

Standard working condition: 27°C/75%

Rated input (cooling): 80W (for two compressors)

Cooling capacity: 2L/H

Circuit diagram

