



CMEC Food Machinery Co., Ltd.

Thanks for your purchase of this product.  
Please read this Instruction Manual carefully before using.  
Please take good care of this Instruction Manual for future reference.

## MTY-A6 Atmospheric Water Generator

### Instruction Manual



### Introduction

Thank you for purchasing this separated air water dispenser. It is advanced drinking water equipment for household and office use, especially for water provision on the islands and ships. By making use of the most advanced technology, this water dispenser integrates the air water condensing system, water filtering and disinfecting system, and water heating and cooling system, which has greatly improved the water intaking by air and satisfying the water needs in public places and other environments.

This dispenser uses the excellent components as key ones to ensure the operation reliability of the entire machine.

The filtering system adopts the integrated module design, thus making change of the filter element more convenient.



## Operating Principle

This Dispenser 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°C--80°C. Water can also 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 dispenser is placed. In a living house, positions near the kitchen or window, or spacious places, will see high humidity.

If the air water dispenser wants 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 dispenser 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 indoor temperature before placing the dispenser.

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

## Maintenance for Machine

1. Cleaning of air filter: The air filter shall be cleaned on a regular basis according to the pollution of specific locations. The air permeability of filter is closely related with the water making efficiency. It is recommended that the air filter be cleaned every half month.

Cleaning steps: Loosen the panel set screw in the front of air water intaker, and take out the front panel and pull out the air filter. Clean the dust and air floatation on the filter surface, and finally install the filter and panel back.

2. Cleaning of water tank: Dismantle the front panel and clean the inside of water tank with towel. Drain the water in the tank and flush the tank with clean water. It is recommended that the air filter be cleaned every half month.

3. Change of filter element:

PPF and activated carbon filter element: Take out the filter element from the bracket and the connector from the filter element with wrench, replace with new filter, and install the connector. Connect with water pipe and put back to the bracket. It is recommended that the PPF filter element be changed every 6-8 months and the carbon filter element changed every 12-15 months.

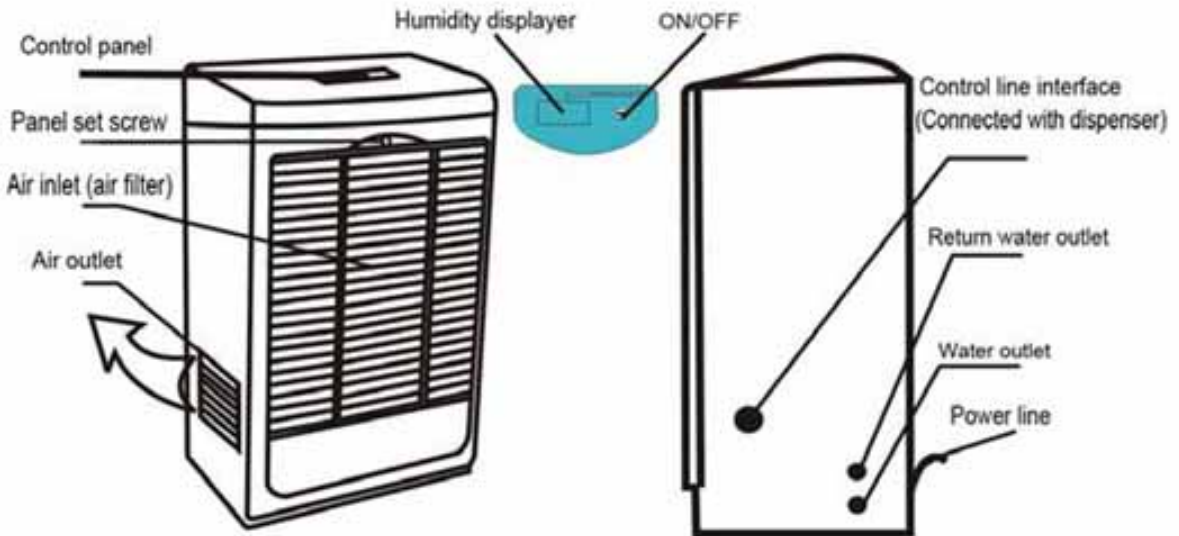
Change of RO/ UF film: Take out the RO film from the bracket and the connecting pipe at the top of film shell. Turn down the film shell end counter-clockwise, pull out the film and put the new filter element to the film shell, install the film shell end clockwise, and connect the water pipe. It is recommended that the film be changed every 24-26 months.

Note: For new installed water dispenser, if the RO film has not been installed in the RO film shell before ex-factory, it shall be installed during the machine assembly.

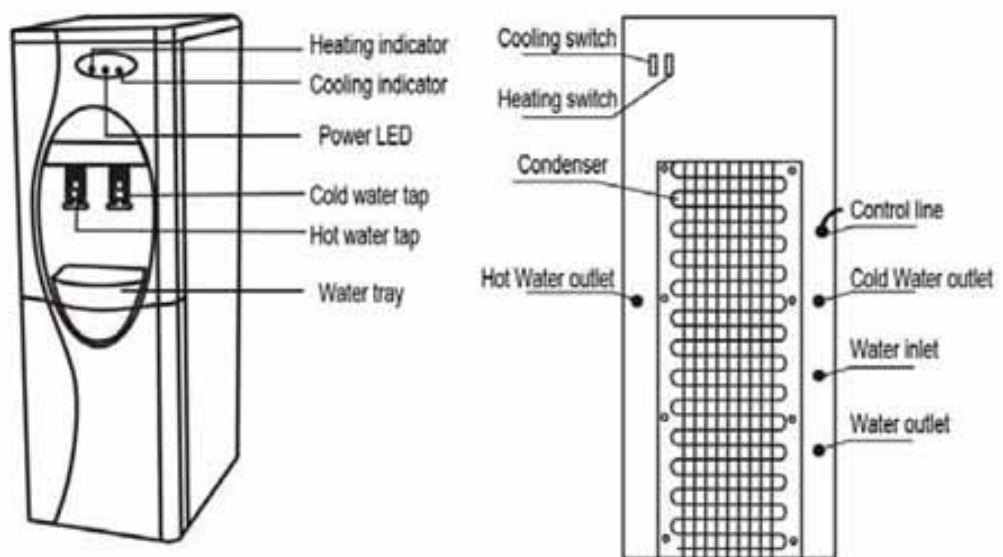
Disconnect power supply in case the above operations are conducted.

The changes of filter element and solving to machine breakdowns shall be conducted by professionals.

## Component Introduction



Air water intaking part



Direct drinking water dispensing part



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## Installation & Operation

1. Before the air water intaking part is installed, choose a position with good humidity, put the dispenser horizontally, and make the air outlet and inlet vacant, so as to ensure fine ventilation.



2. Place the water dispensing part according to actual needs. Reserve 10-15cm at the back of the Dispenser to facilitate heat radiation.
3. Connect water outlet of air intaker with the water inlet of Dispenser.
4. Connect the return water outlet of air intaker with the water outlet of Dispenser.

Note: This item is not applicable to super-filtering machine.

5. Connect the control line of Dispenser with the control end of air intaker. Turn off the "Heating" and "Cooling" switch at the back of Dispenser, and insert the power supply socket. The screen of air intaker will display the humidity of present environment, indicating the power is on.
6. Press "ON/OFF" on the control panel and the machine will start work. After operating for a period of time (above 4 hours for first use), turn on the "Cold/ Hot" water tap, and then "Heating" and "Cooling" switches when water running from the tap is normal.

## Notices

1. This Dispenser must use three-plug socket with earthing and power supply protector.
2. Keep it away from children.
3. Do not put inflammable articles close to the water dispenser and exterior of air water intaker.
4. Do not turn the water tap randomly, so as to prevent water leakage or failure of water supply.
5. Keep the exterior of Dispenser clean.
6. Disconnect power supply and drain the water if the dispenser is not used for a long time.
7. Disconnect power supply prior to the machine repair or maintenance.
8. The thermal preservation materials in the cold water tank are inflammable, which shall be kept away from fire.
9. Damaged power cord shall be changed by the manufacturer or qualified personnel.
10. This machine shall not be cleaned in water.

## Treatment of Simple Breakdowns

1. Too slow water making:  
Observe the environment temperature on the screen and measure whether it is within normal range.  
Examine whether the air filter surface has the dust, and clean it if necessary.  
Examine whether the machine front and side have reserved sufficient space.  
Examine whether the power supply and voltage is within normal range.  
Examine whether the machine is used in places with good ventilation.
2. The machine fails to work after the power supply is connected.  
Examine whether the power is on.

## Technical Specifications

Protection against electric shock: Grade I  
Power supply: 220V/50Hz or 110V/60Hz  
Rated input(heating) : 500W  
Capability of hot water making: 5L/H  
Rated input (making water): 2000W  
Capability of standard air water making: 138L/24H  
Standard operating environment: Humidity: 75°C; Temperature: 27  
Normal operating environment: Humidity: 40%--90%; Temperature: 15 --35  
Cooling power: 80W (not applicable to single compressor)  
Capability of water cooling: 2L/H

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