

Humidifier

EB-03C



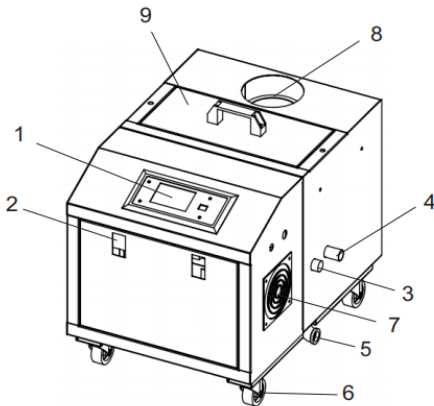
INSTRUCTIONS

Humidifier Introduction

The series of humidifiers have a good atomization effect, finely atomized particles, fast vaporization and absorption by dry air, energy-saving and

environmental protection, stable performance, and high-cost performance, which are favored by new and old customers in various industries.

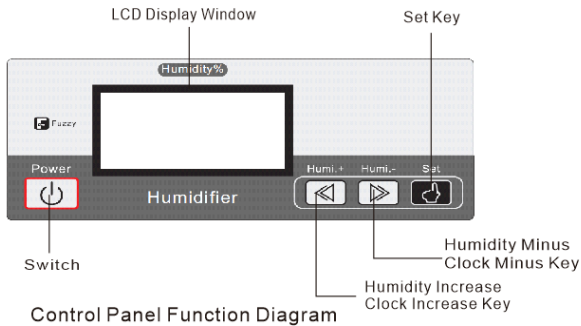
A new generation of the ultrasonic atomizing plate, using a high-quality ceramic vibrating plate, using an ultrasonic transducer to convert electrical energy into mechanical energy, under the action of high-frequency vibration of 1.7 million times/second, the water is atomized into ultra-high $\leq 5 \mu\text{m}$ Fine particles, forming water mist. And sent out through the circulating fan, so that the ambient dry air is absorbed and humidified.



- | | |
|-----------------------------------|---------------------------|
| 1. Control Panel | 6. Caster |
| 2. Electrical Box Door Buckle | 7. Cooling Fan |
| 3. Water Inlet (1/2" water pipe) | 8. Mist Vent (4.33" pipe) |
| 4. Overflow (1/2" water pipe) | 9. Water Tank Cover |
| 5. Water outlet (1/2" water pipe) | |

Control Panel Function Description

1. Power Switch: Press the "power" button to turn on or off the power.
2. Humidity Adjustment: Press the setting key to enter the humidity adjustment mode, using "Humi.+" or "Humi.-" for environmental humidity for the setting.
3. Time Setting: Press the setting key twice to enter the time adjustment mode, and use "+" or "-" to adjust the setting.



System Function Description

1. Humidity Control: When the humidity reaches the set requirements, it will stop automatically; when the ambient humidity is lower than the set value, it will start automatically; the setting range is 30-99%;
2. Water Inlet System: When the water level in the water tank is detected by the system below the water level warning line, the system will automatically replenish water in the water tank, and automatically stop the water inlet when the water level in the water tank rises to the restricted height.
3. Water Tank Stop For Lack Of Water: When the system detects that the water level of the tank is lower than the warning level, the system will automatically stop, and after 10 minutes still no water replenishment, the system will automatically alarm prompt;
4. Fan Delay: When each stop, the fan will continue to run for 30 seconds to remove the fog and heat in the machine.

Schematic Diagram Of Atomization Pipeline Layout

Installation of pipelines, the piping layout must be strictly according to the instructions on the operation requirements, the interface sealing to prevent leakage gas leakage, ensure smooth fog pressure flowing pipeline, to avoid the middle line blocking effect use effect, in order to avoid the fog hole downwards drop beads, the hole position should be located in the midst of PVC tube cross-section on the level of the center for around 30 degrees, hole diameter is 3.0 cm, cloth to 30 cm hole spacing, it is better to 40 cm from the humidifier nearby, comb in the distance, at the end of the level should be higher than that of humidifier period for the principle, as shown in Figure (5), cannot appear using convex way back line connection, as shown in Figure (6);

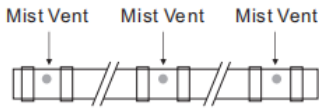


Figure 5

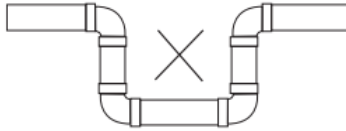
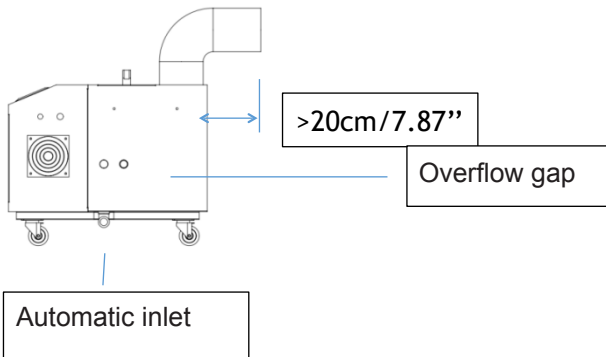


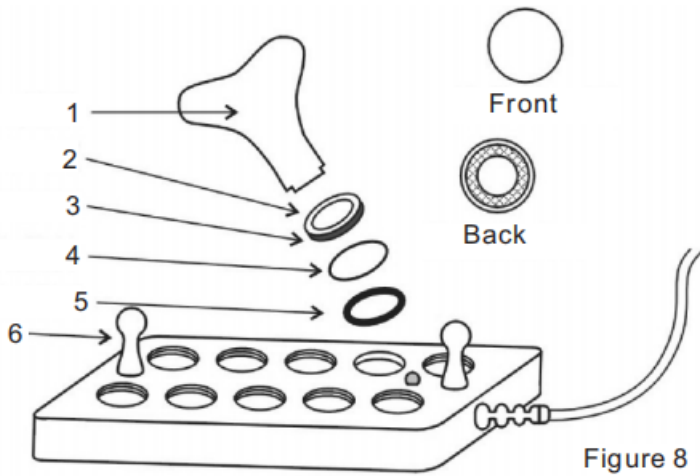
Figure 6

Note: without the use of pipeline installation place, before use must be installed out of the fog, fog then connects the elbow can free to adjust the direction, as shown in Figure 6, in the shortest distance to the quick-frozen elbow extension length 20 cm / 7.87" away from the fuselage advisable, otherwise the quick-frozen any part of the machine is likely to lead to the light shell of rust or accidents caused by short-circuits, preferably to separate equipment and use place, using pipe for humidification compartment.



Atomization System Description

When the atomizer runs for a long time, the spray quantity decreases or only sprays out the water column, and some holes do not even produce fog, it is necessary to clean the water tank, atomizer, or replace a new energy converter. Please refer to Figure (8) for the operation method.



- 1.Tool
- 2.Winding Ring
- 3.Seating Ring
- 4.Ceramic Disc
- 5.Seating Ring
- 6.Water Level Sensor

Special Note: the water level of the water tank must be higher than the sensor of the atomizer 1.5cm is the best working condition. The equipment needs to be guarded by personnel during operation. The company shall not be responsible for excessive humidification and other conditions caused by unguarded equipment.

Humidifier parameter

Name	Humidifier
Model	EB-03C
Power supply	110V 60Hz

Power Consumption	600W
Net Weight	20.0KG
Grow Weight	22.5KG
Product Dimensions	19.69"*14.57"*17.44"
Carton Dimensions	22.44"*17.72"*17.72"
Working Temperature	1-40° C
Feed Water Temperature	1-35° C
Water Supply Quality	Purified Water, Tap Water (softened and filtered)

Care and Maintenance

1. Maintenance of the water tank: Please replace the water in the water tank every 7 days to prevent the deposition of scale in the atomizer.
2. Water tank cleaning: Clean the water tank once every 30 days. Please remove the power plug before cleaning to avoid electric shock scale and impurities on the top of the atomizer sheet and around the water tank, and then rinse and discharge out of the machine with clean water. Be careful not to splash water on the components and lines to contact water and avoid short circuits. (Do not use a cleaning agent to clean any parts of the atomizer).
4. The replacement operation of energy exchange plates is as follows:
 - A. Cut off the power supply, drain the water in the water tank of the equipment, and dry the water on the surface of the atomizer.
 - B. Unscrew the pressure valve with the tool spoon, remove the old atomizing energy exchange piece and keep the cavity dry and clean.
 - C. Install and tighten the pressure valve by mounting the new atomizing energy ex-changer front up and back down.

Fault Code Description

This humidifier has the function of automatically judging the fault, if the fault occurs, the corresponding digital window will appear as the fault code.

E3	Humidity sensor fault
E4	Tips for cleaning water tank

Common Faults And Troubleshooting Methods

Fault Phenomenon	Reason	Troubleshooting
The running light doesn't work	<ul style="list-style-type: none"> *No power supply *Fuse blown *The power switch is not on 	<ul style="list-style-type: none"> *Check power supply lines and restore power supply *Replace fuse of same specification *Turn on power switch
No water is added to the equipment	<ul style="list-style-type: none"> *There is no water in the water pipe *Water balls are blocked *Insufficient inlet pressure 	<ul style="list-style-type: none"> *Check water supply line *Clean the hole of float ball *Inlet pressure should reach 5Kg
Atomizing lamp does not spray	The voltage is 5% below normal	Check power supply voltage, reserve voltage regulator
Water spilled from the chassis	Water tank leaking	Repair or replace the water tank
Reduced or no fog	<ul style="list-style-type: none"> *Excessive scale in the tank *Atomizing film aging *stepping down of voltage *The tank without water 	<ul style="list-style-type: none"> *Clean the water tank or atomizer *Replacement atomizer *Maintain normal voltage *The tank filling water