

# TM300 Humidifier Using Instruction

1. This item use the high-frequency oscillation of ultrasonic, to change the electric oscillation into mechanical oscillation through the Ceramic Disc. As a result, the water becomes mist that can be used to increase humidify, eliminate static electricity and fresh the air. It is suitable for large industrial humidifying occasion.

2. This item has water level automatic control system. It will not launch or automatic stop while the water level below the normal working level. That's good to secure the humidifier from burn out, which caused by improper use or lack of water.

3. By using humidity automatic control system, control the relative humidity of the environment at the set point (20%-95%RH), suitable for the occasion have specific request for environment humidity.

4. Replaceable design for Ceramic Disc can reduce the maintenance cost as the Ceramic Disc will aging and the mist will get less after running for a long time. At this time, you just need to replace the ceramic disc and it will restore the humidifying function.

## 5. Important Notice

1). Please check the input voltage marked on the power adapter is matching the local voltage before initial use.

2). Connect a tube to the "water overflow outlet" which leads to the drainage. It has drainage effect and protects the inner electrical equipment in case of the water inlet valve breakdown.

3). Please use the clean tap water as water supply. As the water quality getting worse, the mist will get less and working life of the Ceramic Disc will shorter. Purified water and distilled water are not allowed, if not, the mist will not coming out. We suggest you to put a filter net on the water inlet.

## 6. Installation and Operation

1). The machine is not suggested to place in the humidifying space and the mist send by relevant pipe. If it is not realizable, the air outlet should install pipe to communicate outside and lock by holding device to which is random attached.

2). Place the machine horizontal in the right place, it will automatic control inflowing and draining the water after connected the inlet and outlet pipe and turned on the inlet switch.

3). Connect the power, turn on the switch and the indicator lights up. If the water is enough, it will work immediately, otherwise, the water shortage indicator will turn red. Till it store up enough water and water level higher than the water protection switch, the machine will work.

7. While it needs humidity automatic control, please make sure the power is turn off. And then place the humidity sensor probe in the space require humidity control, plug the extension cord into the relevant socket of the humidifier. Now you just need to turn on the power switch, humidity automatic switch and set the humidity point, after that you can enter into the automatic control. The machine will stop working and the indicator will turn yellow while the humidity reaches the setting point, if it is lower than the setting point, the machine will keep running and the indicator will lights out. This humidity automatic control device will keep the room constant humidity.

8. Regard the extra tank operation, the appropriate disinfectant can be added and mix the water to use at the same time. The flow is controlled by a valve that make quantify adding liquid is possible.

9. The UV light used for clean the water.

10. The installation drawing are show as follow picture. Pull out the sealing cap and keep it for prevent loss.

**Humidifier Parameters:**

Item code: TM300

Mist quantity:  $\geq 5\text{kg/h}$

Air volume  $\geq 120\text{ m}^3/\text{h}$

Dia of spray outlet :  $\Phi 110\text{mm}$

Water particle:  $\leq 10\mu\text{m}$

Power: 300w

The size of Inlet/Outlet pipe hole: 1/2"

Size: L\*W\*H 470×240×330mm (without spray pipe and extra tank)

P.S: ①Extra tank ②UV light ③Humidifier controller, are optional accessories.

