OWNER'S MANUAL OF ULTRASONIC HUMIDIFIER

HUMAX, Model HM-300



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TECHNICAL DATA

Model: HM-300
Power supply: 220-240V 50Hz
Humidify power: 30W
Water tank capacity: 6L
Evaporation Rate: ≥300ml/H
Noise level: ≤35dB(A)
Ozone concentration: ≤0.05 PPM

***Working Principle:** Ultrasonic Humidifier use the ultrasonic high-frequency oscillator to break up water into tiny water particles with the diameter of about 1-5um.The ventilation system blows out this water into the dry air where they evaporate to give the required humidity. The clearly visible smooth and even fog can be seen out of the unit.

***Features:**

- High efficient in humidification with large output.
- Low energy consumption, save 85-90 percent of electricity of normal stream humidifier.
- Long lifetime
- Automatic control to humidity level, lack-water security protection.
- Ozone(Anion): Press the button of Ozone(Anion) to spread a number of ozone (Anion)elements. Press again to stop the ozone(Anion) function.

*** FUNCTIONS**

1: Relative Humidity setting guide

1.The percentage of water mist in a give space with a given air temperature is named as relative humidity, usually marked as %RH, i.e. 45%RH. The air contains water mist more or less. The proportion of water mist to the air varies according to different air temperatures. The higher temperature, the more water mist inhaled in the air.

2.In the winter, the cold air outside enters the room and becomes warmer by the higher temperature in the room. As a result, the relative humidity decreases. Want to keep the healthy environmental humidity? We need to increase the mist volume in the air. Humidifier can do that for us.

2: Water filter:

1. The plastic part is mixed with NANO-SILVER material to prohibit the bacterial.
2. Ceramic balls can soften the hard water.
3. Ceramic filter can eliminate the strange smell in the water.

*** Security Guide:**

Warning: Please be aware of the following points otherwise you might in danger if high voltage charges or but your body.

1) Never disassembly the base unit without consult qualified personnel.
2) If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
3) Do not add detergents, chemical solutions which are not made by our company into the unit.
4) Unplug appliance during filling, cleaning and maintenance.
5) Keep detergents, chemical solutions away children.
6) Do not change attachment without definite permit from our company otherwise you might catch hazard.
7) Any abnormal smell during normal operation, please switch off and disconnect power

supply and want qualified personnel amend.

8) Cleaning with clear water when detergents & chemical solutions splash into mouth & eyes, consulting doctors against serious hazard.
9) Never touch water in the Water Basin & components in the water when the unit is in working.
10) Never switch on when there is no water in the water basin.
11) Never scrape Transducer cpl at will.
12) Never clean Transducer cpl with detergents, chemical solutions that not made by our company.
13) Never let water splash into inner Base Unit for avoiding components damage.
14) Care should be taken when using the appliance due to emission of hot water vapor.
15) Before cleaning and maintenance, the appliance must be disconnected from the supply main.
16) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
18) Children should be supervised to ensure that they do not play with the appliance.
19) Indoor use only.
20) Prior to cleaning or other maintenance, the appliance must be disconnected form the supply mains.

***Operation Instruction**

- First Operation, put unit under the room temperature for half of an hour before running.
- Select suitable RH value according to requirement.
- Use clear water not over 40C.
- Check the water basin, make sure it is clear.

INSTRUCTIONS TO USAGE:

1. Put the machine on a flat surface.
2. Fill the water into the water tank, and then tighten the tank cover.
3. Put the water tank on the main body.
4. Check if the rated voltage meets the input voltage, and plug in the socket.
5. Switch on the machine; the background light of LED will be on. The machine begins to work.
6. Press the button “+” or “-”, you may adjust the mist volume. On the remote control, just press the button of “MIST VOLUME”.
7. Press the button “OZONE”, the ozone generator works. On the LED display, it shows the shape of trees. Press again to stop the function.
8. Constant humidity: Before you press the button “SETUP”, LED display shows the current humidity. Press the button “SETUP”, when the letter “Auto” flash on the LED display, you can set the humidity by press button “+/-”. You may set the humidity arranged from 45%RH to 90%RH. Press once, it will increase by 5%RH. When it reaches 90%RH, press again, it will back to 45%RH. After you set the expected humidity, the machine will keep the memory after 5 seconds. 5 seconds later, LED display shows the current humidity. If the expected humidity is less than the current humidity, the machine will be in sleeping state. But if the

expected humidity is higher than the current humidity, the humidify function will work.

9. Timer setting: There are 12 timer setting: 1,2,3,4,5,6,7,8,9,10,11,12 hours. Press the button "SETUP", when the letter "Timer" flash on the LED display, you can set the timer by press button "+/-". When you want to know the rest operation time, press the button "SETUP", when the letter "Timer" flash on the LED display, it shows the timer. The timer shows the rest operation time and decrease by 1 minute, i.e., if set the timer at 12 hours, LED display shows 11:59 after one minute.
10. Once you have set the automatic humidity and the timer, the value of time remaining in timer, the desired relative humidity and the actual relative humidity will displayed 40 seconds alternating in the middle of LED display.
11. Once the water in the basin is too little to keep the machine working, the machine will automatically stop working. LED shows nothing. Refill the water, and the machine will restart.

Operation steps:

- Take the water tank out of the unit, open the water tank cover, and fill the tank with clear water. Close the cover, and put the tank onto the base unit carefully.
- Put the nozzle into the socket on top of the water tank.
- Connect the main supply, switch on the unit (NEVER RUN THE UNIT WHEN THERE IS NO WATER IN WATER BASIN), the main connection lamp will on. The unit starts working.

***TROUBLE SHOOTING GUIDE**

Any trouble found in normal operation, please kindly refer to the following points:

Trouble	**Possible reasons**	**Shooting Way**
Power lamp off, does not work	No power supply	Connect power supply, switch on
Power lamp on, no mist outlet with wind	No water in water tank	Fill water into water tank
	Security switch is too slight	Make the switch tight
Abnormal smell mist	New unit	Take out water tank, open cover, let it stay 12 hours in cool position
	Dirty water or long time staying water	Cleaning water tank, fill in clear water
Power lamp on, unit doesn't work	Too much water in the water basin	Pull out same water from the water basin, closed the cover of water tank tightly
Mist fog is too small	Too much scale in the water basin	Clean transducer
	Water is too dirty or water kept too long in the tank	Clean water tank, change to fresh clear water
Abnormal noise	Resonant in water tank when water is too less	Fill water into water tank
	Unit is on a unstable surface	Move the unit to a stable flat surface
Mist fog coming out from around nozzle	There are apertures between the nozzle and water tank	Dip the nozzle in water for a while and then fix it to the socket on water tank

***MAINTENANCE:**

In case when the water is hard which means water contains too much calcium and magnesium, they can cause “white powder” problem and give heavy scales on the surface of water basin, transducer and inner surface of the water tank. Scales on the surface of transducer will unable the unit work properly.

We recommend:

1) Use cold boiled water or distilled water.
2) Clean the transducer, water tank and basin unit every week.
3) Change the water in water tank more often to keep it fresh.
4) Make sure to pull out the water from the water tank and dry the water basin before you store the unit unused for a long period of time.
5) Clean the whole unit, and make sure that all parts of the unit are dried completely before unused for longer period of time.

How to clean the fitler system:

1. Clean and activate the ceramic balls after use for 1000L water regularly.
2. Take the filter system away from the tank cover.
3. Put the filter system into the white vinegar for about 10 minutes.
4. Take the filter system away from the white vinegar; shake for several times, clean it with clear water.
5. Make it dry. Pack it into a polybag. Keep it in a cool and shady place.

How to clean the transducer:

1) Put 5-10 drops of cleaning abluent on the surface of the transducer, wait for 2-5 minutes;
2) Brush out the scale on the surface.
3) Rinse the transducer with clean water.

How to clean the basin unit:

1) Cleaning the water basin with soft cloth and the cleaning abluent if there is scale in it.
2) If the scale is covered on the security switch, drop the cleaning abluent on the scale and clean it out with the brush.
3) Rinsing the water basin with clean water.



DISPOSAL: Do not dispose this product as unsorted municipal waste, collection of such waste separately for special treatment is necessary.

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