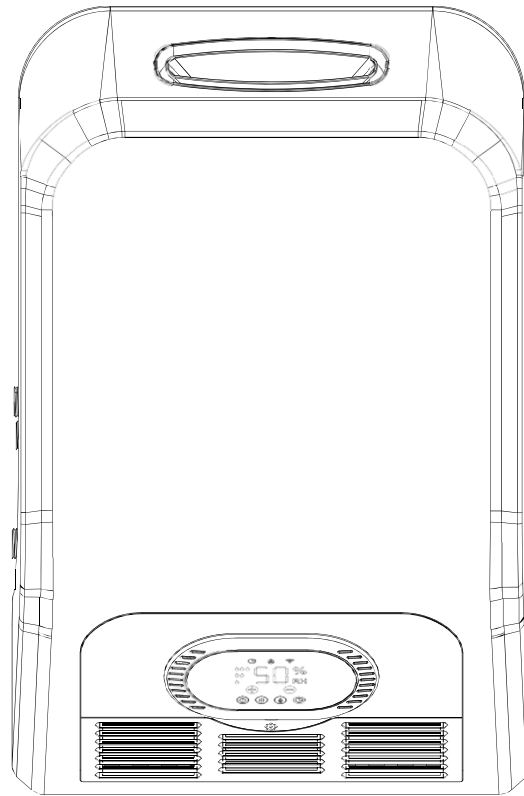# SONIC
HUMIDIFIERS

USER MANUAL

Wall Mount Humidification System

1 *System Description*

1.1 Appearance

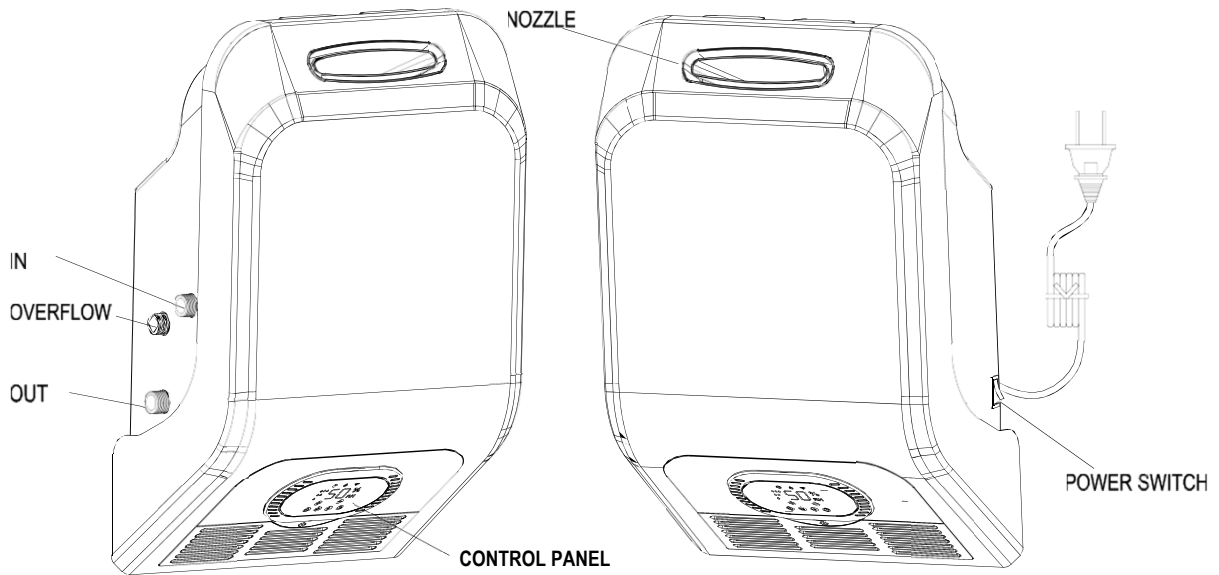*Image 1 - Product Appearance*

1.2 Product Features

A Coverage Area

This Wall Mount humidifier will cover between 50 sq ft up to 200 sq ft

B Large Mist Output & Ultra-fine Mist Particle Diameter

Maximum Mist output is 0.4 gal /h.; Ultra fine mist particle diameter（D50：≤5μm）

with a gasification rate up to 80%.

C. Water Supply

Connects directly to your RO water filter system via ¼" tubing for automatic fill. Cannot be manually filled.

D. Humidity Control

The built-in hygrometer can be adjusted from 20% to 100%. Once your desired set point has been reached, the system shuts of the misting unit and restarts once the hygrometer detects the humidity level has fallen below the set point.

E. Safety Features

Overflow Protection-water will be discharged through the overflow pipe if the float valve has been damaged.

System will stop working if water levels are too low.

F   High Efficiency

Ultra fine mist particles are ≤5μm. Misting distance of up to 3.5m with a high gasification rate up to 80%.

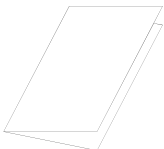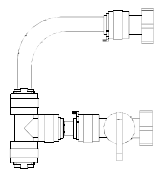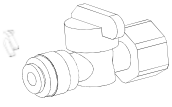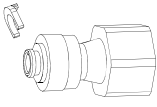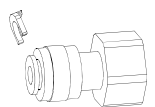## G. Antibacterial

The water tank is made with silver ion antibacterial technology.

H. Simple Installation

Easy wall-mounted installation with supplied hardware and push to fit connectors for fast, easy installation.

1.3 Content List

Product/Pic	QTY	Product/Pic	QTY	Product/Pic	QTY
Wall Mount Humidifier	1 set	Instruction Sheet	1 copy	Push-fit connector	1 set
1/2" to 1/4" Push-fit connector PE shut off valve	1 pc	1/2" to 1/4" Push-fit connector	1 pc	1/2" to 3/8" Push-fit connector	1 pc
1/4" & 3/8" pipe	2.5M of each	Hose nail for 1/4" & 3/8" pipe	5pcs of each	¢5X80 expansion screws	2 pcs

2 Product Specs

2.1 Specifications

Input Voltage	100~240ACV 50/60Hz	N.W	10 lbs	Ambient Temperature	≤120F
Power	120 W	G.W	14.5 lbs	Ambient Humidity	≤80%RH
Mist Output	0.4Gal/Hr	Dimension	14.25 x 8.125 x 21.5 Inches	Atomizing Media	Reverse Osmosis filtered water
Mist Particle Dia（D90）	≤10μm	Max Atomizing Distance	10 feet	Water Temperature	50~130F
Mist Particle Dia（D50）	≤5μm	Noise	≤55dB	Water Pressure	14~70 psi

2.2 Interior Description

mist outlet

misting conduit

dash plate
misting height

misting space

air inlet

water level

air flows

fan

chamber

mist maker
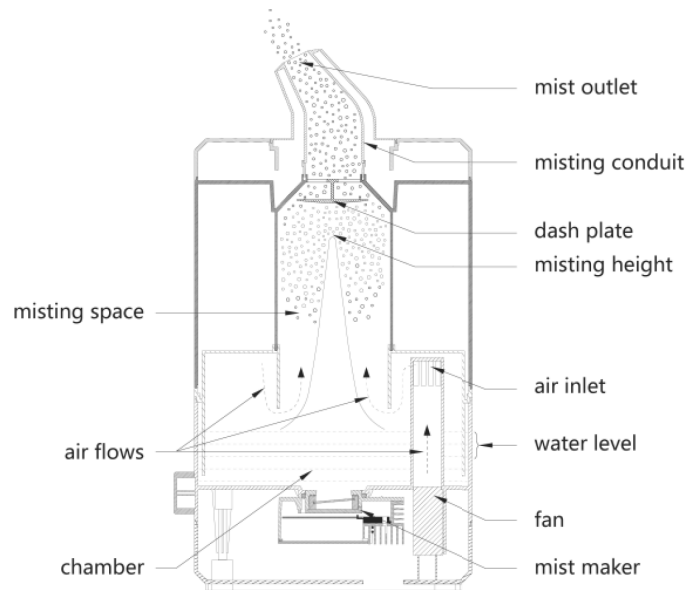
Image 2.1

3 Installation Guideline

3.1 Installation Requirement

- Ensure wall can withstand the weight of a humidifier full of water（≥ 35lbs）.

- Installation 2.5' minimum below ceiling and 5-6' above the ground.

- Operating voltage AC100~240V is auto sensing.

3.2 Installation Steps

A. Wall Mount

① Choose proper mounting hardware for your installation. Check parts bag for mounting screws. Some screws are provided but your installation may require mounting hardware not included depending on your situation.

② Once screws are in place, hang the humidifier on the wall.

B   Pipes & Filter Installation

Connect the push to fit connector to the OVERFLOW and OUT pipes ensuring the shut off valve is connected to the OUTLET.

Connect ¼" fitting to the IN pipe.

When connecting all fittings to the humidifier, ensure that the rubber O-rings are used for a proper seal. Firmly hand tighten to unit.

rubber ring

plastic
semi-ring
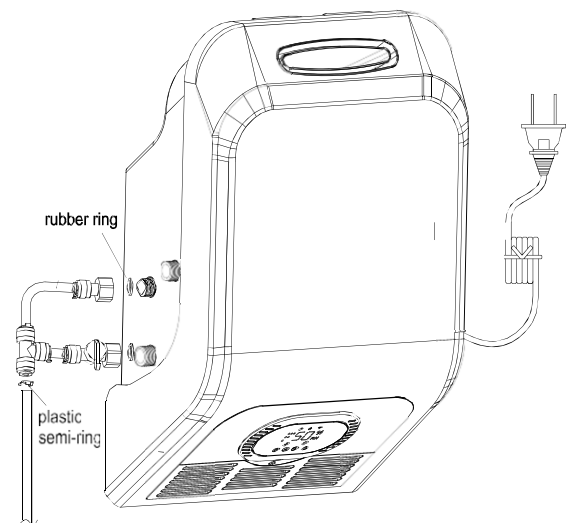
4.2 Button and display instructions

Timing display icon

Auto mode icon

Wifi link icon: unlinked display red, successful link is green

Fog display

Humidity display

Touch / automatic mode to adjust humidity / timing adjustment

Touch/switch, fog gear, humidity automatic mode, timing

Image 4.2

4.2.1. Physical buttons

Once the power switch is turned on, all the panel indicators are on for 1 second and then turn off and the product is in standby mode. The device then checks within 15 seconds if it has been connected to the Tuya control A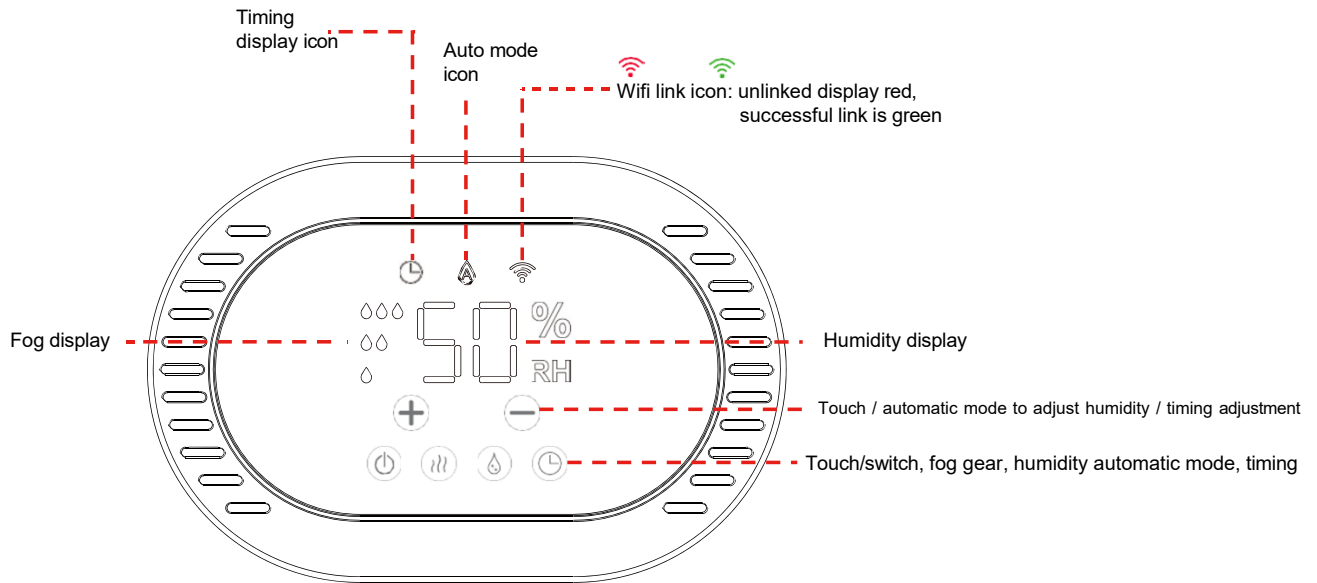PP. If your humidifier has been connected before, it will automatically connect with the APP. If the WiFi connection is successful, the APP can directly control your humidifier.

4.2.2 Touch/Power Button Description

Quick touch: In standby mode, quick touch the power button, the display will show the current humidity and begin to mist if the set point has not been reached.

1. Make sure unit has water connected and the tank is at the proper level if unit is not misting.

2. Low water. The 6 water droplets will flash. If low water continues, the device will enter the standby state after the characters flash for 5 minutes. Water levels do not affect the WIFI connection. Only the power button works when unit has no water.

3. If the WiFi is connected, a solid green light will appear. When the Wifi light is flashing green, it is trying to connect to the APP. If the Wifi light is red, there is no connection to the APP. (Refer to the WiFi connection operation instructions for details)

4. If the humidifier is running, touching the power icon will set the unit in stand by mode. Wifi connection and functions remain working in stand by mode.

4.2.3 Mist Level Button Function

1. Quick touch: At the same time, the buzzer sounds once: the device is turned on and enters the heavy mist mode, the device enters the humidification mode, and the indicator light of the large mist mode is on (all the water droplets are on):

Touch the atomization button for the first time, it is in the small mist mode, the device enters the humidification mode, and the indicator light of the small atomization mode is on

(all the water droplets are on):
Touch the atomization button for the second time, it is in the medium fog mode, the device enters the humidification mode, and the indicator light of the mid-level atomization is on

(all the water droplets are on):
 Touch the atomization button for the third time, it is in the heavy mist mode, the device enters the humidification mode, and the indicator light of the high atomization level is on

(all the water droplets are on): this cycle.

4.2.4 Humidity Set Point Button

Quick touch of the Water Drop button: Enters the Humidity set point mode.

Once the humidity number is flashing, use the Plus and Minus buttons to change to your desired

humidity.

Quick press again or leave alone for 5 seconds and your changes are saved.

When the humidity in the space is within 10% RH, the humidifier uses the mid level misting

setting. If the range is over 10% RH, the unit uses the max misting setting.

Once the humidity rises to the desired set point, the unit stops misting.

Once the humidity falls below 5% RH of the set point, the unit begins misting again.

4.2.5 Timing Button

Quick press the Timer button to enter Time Mode. When in time mode, you can use the Plus and Minus buttons to change the desired active humidity time to 1 – 8 hours. Once you have made this change, Quick press the button again to submit the change or leave unit alone for 5 seconds and your settings will be changed.

Once you have set timer mode and your set time runs out, the humidifier turns off and goes into stand by mode. Press the Power button to start normal function again.

To cancel timer mode, press the Timer Button for 2 seconds and listen for a beep. Timer mode is now cancelled.

4.2.6 WiFi connection function description:

1. Turn on the main power switch and quick press the power button. Within 15 seconds, the device will self-check whether it has been connected to the current APP. If so, the device will automatically connect to   the APP, and the green light of the device will be on. If the connection is not successful within 15 seconds, the device will send WiFi Distribution network connection command, the green light of the indicator light flashes for 1S . If the WiFi is not successfully connected within 2 minutes, the red   light is always on. If the connection is successful, the green light is always on, and the distribution network is connected to WiFi successfully. The mobile APP can directly control all functions related to the device.

2. Press and hold the misting level button for 2 seconds: within 15 seconds, enter the WIFI connection status indicator and the green light will flash for 1S . If the WiFi connection is not successful within 2 minutes, the red light will be on, and if the connection is successful, the green light will be on.

3. After the WiFi code is connected to the APP, the device is powered on again, and the device is automatically connected to the APP through WiFi. The device can be controlled through the APP to realize all function control.

4. The device needs to be connected to a new mobile APP or a new network, and it must be pressed and held for more than 2 seconds to reconfigure the network.

The specific operation of APP connection is as follows: 4.3 WIFI connection operation instructions;

4.3.1 WIFI connection operation instructions :

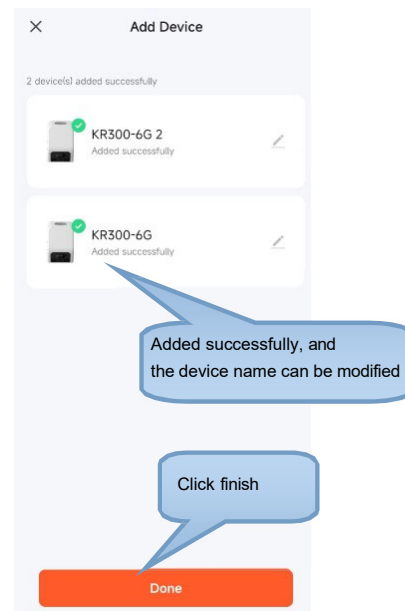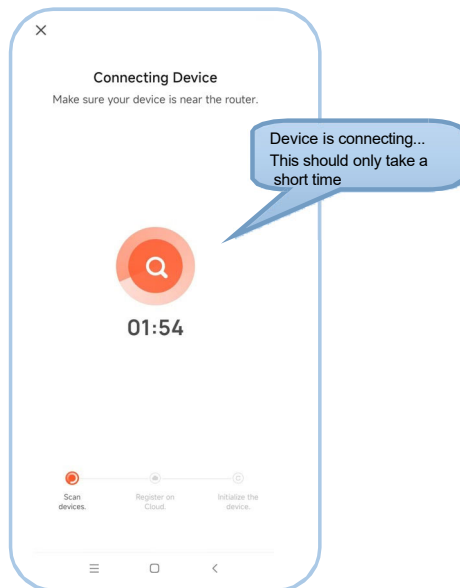In your mobile APP store, search for "Tuya Smart" and click Get to install the APP
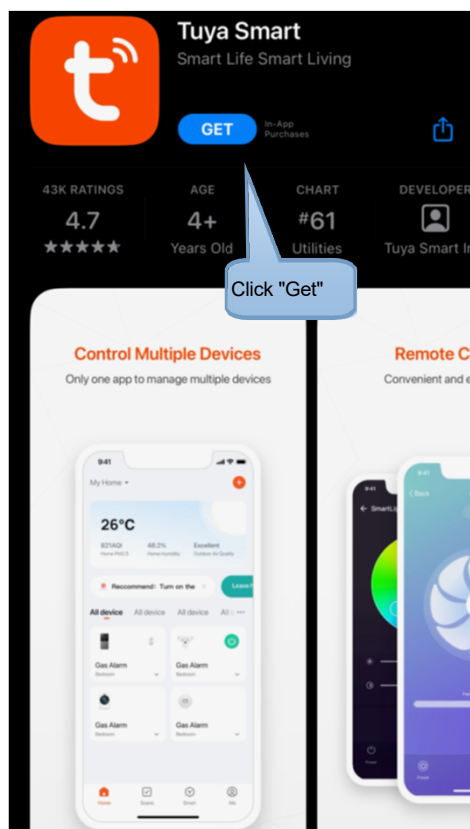
2) Open the "Tuya Smart" APP, click Register, and enter the mobile phone number, password, and verification code to complete the registration;

3) After successful registration click add products

Click on "Small Home Appliances"
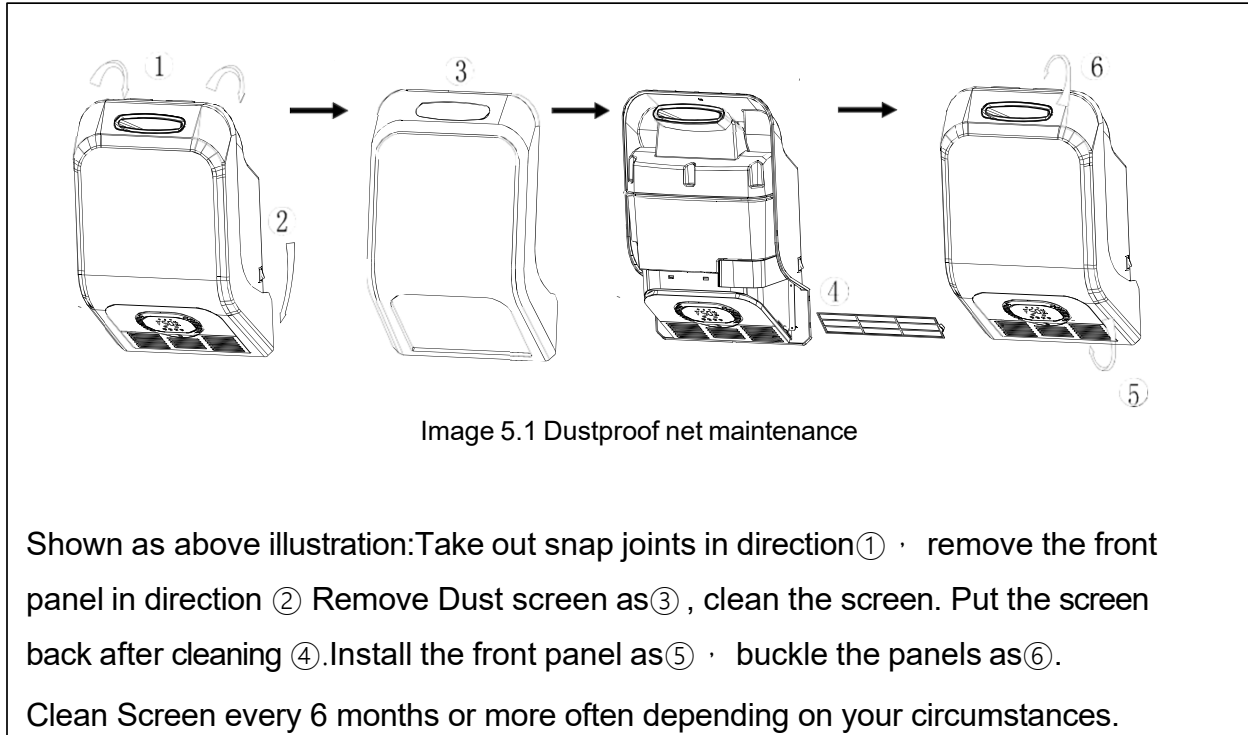
Select "Humidifier WiFi"

Click "Add Device"

4 With your phone open and the APP running, Plug in the power to your humidifier, turn on the Mechanical power switch on the right side, quick touch the power switch button. When the WiFi indicator light flashes green within 15 seconds, follow the steps below for pairing the device.

Enter Wi-Fi Information
Choose Wi-Fi and enter password

SSID

Password

Enter the WIFI Router Name (SSID) & password then click "Next"

Next

Wi-Fi Mode

Reset the device

Click "Confirmation light is blinking"

Press and hold the RESET button for 5 seconds until the indicator blinks (subject to the user manual).

Confirm the indicator is blinking

Reset Device Step by Step

Connecting Device
Make sure your device is near the router.

Device is connecting... This should only take a short time

01:54

Scan devices.   Register on Cloud.   Initialize the device.

Add Device

2 device(s) added successfully

KR300-6G 2
Added successfully

KR300-6G
Added successfully

Added successfully, and the device name can be modified

Click finish

Done

5 After the product is successfully connected to WIFI, the WIFI status indicator green light is now solid. Your Humidifier can now be controlled through the APP. If this procedure did not work and the Red Wifi light is now on, press and hold the Misting Levels button for 2 seconds to start the pairing procedure again.

5 Maintenance

1. Dust Screen Maintenance

Image 5.1 Dustproof net maintenance

Shown as above illustration:Take out snap joints in direction①， remove the front panel in direction ② Remove Dust screen as③ , clean the screen. Put the screen back after cleaning ④.Install the front panel as⑤， buckle the panels as⑥.

Clean Screen every 6 months or more often depending on your circumstances.

5.2 Water Tank Maintenance

A. Shown as Image 5.2，①remove the front panel，②take out the nozzle.

B. shut off outlet valve,open the inlet valve, as ③ shown,use a clean soft cotton cloth to clean the atomizing chamber and the surface of mist maker,then close the inlet and open outlet to drain off the water,repeat again till it is completely clean.
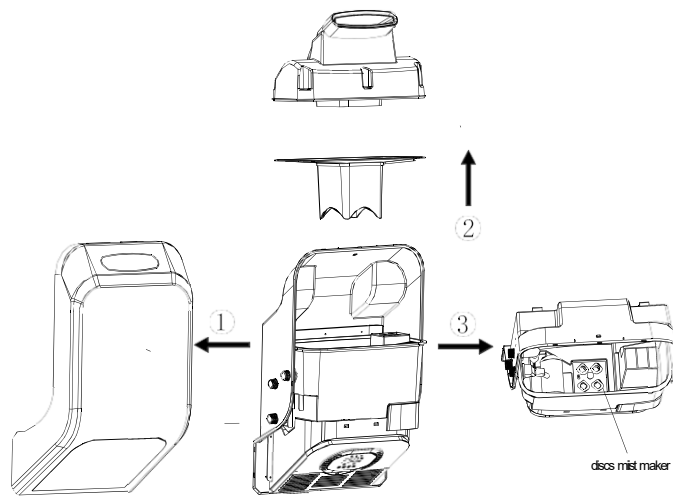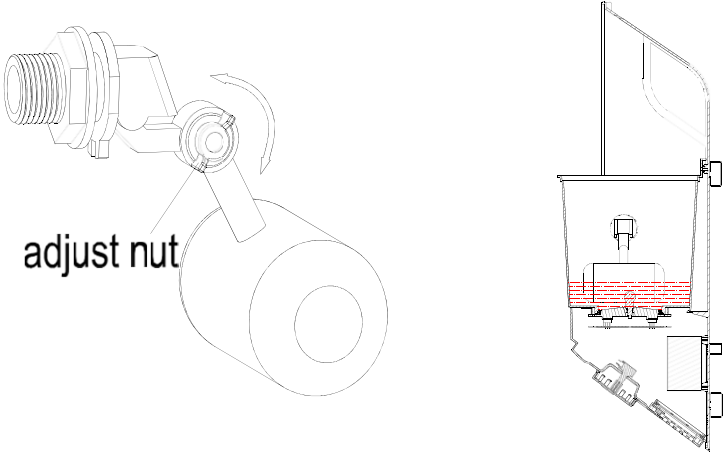
Suggestion:clean every 6-month

discs mist maker

Image 5.2 Illustration for

chamber maintenance

6 Troubleshooting problems

Problem	Causes	Remedy
Low mist output	1. Improperly adjusted float valve. 2. Dirty Misting plate or water tank.	1. Adjust the float valve to the proper water level (Image 6.1) 2. Clean the chamber repeatedly.
No mist output	1. Improperly adjusted float valve. 2. Water Out valve is open or damaged.	1. Adjust the float valve to the proper water level (Image 6.1) 2 Close/ change valve.
Lower mist output over time.	1 Misting plate needs cleaning. 2 Misting plate is failing.	1. Clean misting plate. 2. Replace misting plate
Water overflow	1.1 Improperly adjusted float valve. 2 Float valve is damaged	1 Replace float valve. 2 Adjust the float valve to the proper water level (Image 6.1)
Mist output distance too short	Dust screen is blocking airflow	Clean the dust screen
Note: If the humidifier is working but the volume is low. Make sure the float valve is adjusted to allow approximately 1 inch of water in the tank. See image 6.1	adjust nut Image 6.1	

7 Warranty

Sonic Humidifiers warrants our humidifiers and controllers against defects in materials or workmanship for a period of one year after date of purchase. Sonic Humidifiers, at its option will either repair or replace systems that prove to be defective. Warranty repair is completed at our warehouse in Houston, TX. Customer is responsible for packaging and shipping the system back for repair. Please take extra precaution when packing the system for return so that damage is not caused during shipping. Please use the box the unit came in if possible. Extra packing may be required. Repairs are usually made with 1-2 business days.

Please call to confirm that you are shipping a system back to us and please include return address and company information.

EXCLUSIONS:

The warranty of your Sonic Humidifier system only applies to the original purchaser and may not be transferred. This warranty only covers defects arising under normal usage and shall not apply to defects or damage resulting from modifications, repairs made by you or misuse.

LIMITATIONS:

No other warranty, whether written or oral, is expressed or implied. Under no circumstances shall Sonic Humidifiers, LLC be liable for any loss or damage, direct, consequential, or incidental arising out of the use of or inability to use this product. Some states or provinces do not allow limitations on how long an implied warranty lasts, so the above exclusions may not apply to you. However, any implied warranty of merchantability or fitness is limited to the one-year duration of this written warranty.

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