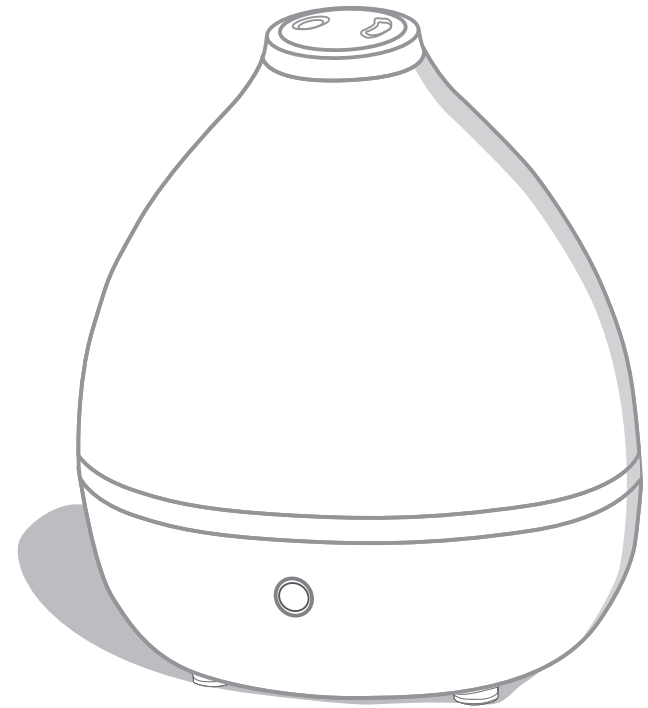


USER MANUAL

Ultrasonic Humidifier

Model: SPS-923A



Support Team
Monday-Friday
9:00 am-5:00 pm PST/PDT
Email: support@ufresh-home.com

READ AND SAVE THESE INSTRUCTIONS

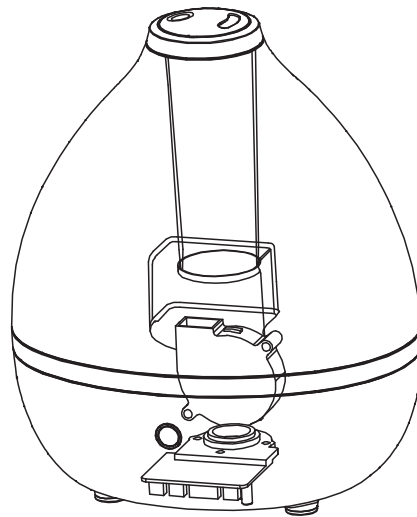
Thank you for purchasing the

Ultrasonic Humidifier

The humidifier helps you to restore an appropriate level of humidity and eliminate the discomfort associated with dry air. We wish you many years of healthy indoor air with this efficient and effective product.

We recommend you spend some time reading this instruction manual in order to fully understand all the operational features it offers.

Read all the safety instructions carefully before use and keep this instruction manual for future reference



WARNING

- 1) Please follow all the safety precautions listed below for safety and to reduce the risk of injury or electrical shock.
- 2) This humidifier can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the humidifier in a safe way and understand the hazards involved. Children shall not play with the humidifier. Cleaning and user maintenance shall not be made by children without supervision.
- 3) Before using this humidifier ensures that the voltage of your electricity supply is the same as that indicated on the rating plate of the humidifier.

- 4) Always place the humidifier on a hard, flat and level surface.
Avoid exposure to direct sunlight and always keep it away from walls and heat sources such as stoves, radiators, etc. Warning:
The humidifier may not work correctly if it is not placed on a level surface.
- 5) Do not insert or remove the electric plug on the humidifier with wet hands.
- 6) If the mains cable is damaged it must be replaced by the manufacturer, its service agent, or similarly qualified person in order to avoid a hazard.
- 7) To reduce the risk of electric shock, do not remove screws. The humidifier does not contain any user-serviceable parts. Please leave all maintenance work to qualified personnel.
- 8) Fill the tank with fresh, distilled or demineralized water. Do not drop any other liquid into water tank or water basin. Do not run the humidifier when there is no water in the tank or the water basin.
- 9) Do not shake the humidifier as this might cause the water spill over into the base of humidifier.
- 10) Never touch the water or components while the humidifier is in operation.
- 11) If there is an unusual smell when it is being used as described in these manual, switch the humidifier off, unplug it and have it examined by your dealer.
- 12) Do not pour hot water into the tank, i.e. at a temperature in excess

of 40°C.

- 13) Unplug the humidifier before cleaning it or removing the tank.
- 14) Do not immerse the humidifier or the mains cable or plug in water or other liquids.
- 15) Never scrape the transducer with a hard tool. The humidifier must be cleaned regularly. To do this, refer to the cleaning instructions in this manual.
- 16) If you spill any liquid into the humidifier, it can cause serious damage. Switch it off at the mains immediately. Withdraw the mains plug and consult your dealer.
- 17) Disconnect the humidifier from the power supply when not in use and before cleaning.
- 18) Ensure that the mains cable does not touch any hot surface and that it does not overhang a table edge.
- 18) Never use this humidifier in a room where aerosol products (sprays) are used or in a room or where oxygen is being administered.
- 20) Do not put items of clothing or towels on top of the humidifier. If the nozzle is obstructed, this may cause the humidifier to malfunction.
- 21) When moving the humidifier, lift it by the base humidifier and not by the water tank.
- 22) Do not use the humidifier if the air in the room is already sufficiently humid.

- 23) The ideal relative humidity level for human comfort is in fact between 45% and 65%. Excess humidity shows up in the form of condensation on cold surfaces or cold walls in the room. To measure the room's humidity correctly, use a hygrometer available in most specialist shops and hypermarkets.
- 24) The humidifier is designed for indoor and domestic use only.

Working Principle

Ultrasonic Humidifiers use an Ultrasonic high-frequency oscillator to break up water into tiny water particles with diameters of about 1-5µm. The ventilation system blows out the particles into dry air where they evaporate to give required humidity. The clearly visible smooth and even fog can be seen out of the humidifier.

Features

High efficiency in humidification with large output.
Lower energy consumption , saving 85-90% of electricity than normal stream humidifiers.
Long lifetime.
Lack-of-water security protection.

Correct Humidity Level

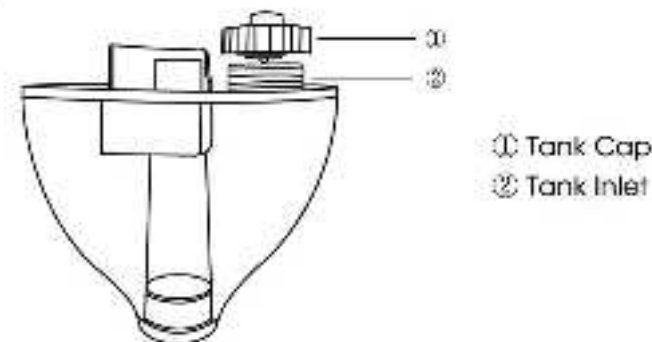
What exactly is relative humidity: Relative humidity is the amount of water vapor in the air, expressed as a percentage of the maximum amount that the air could hold at a given temperature. We normally mark it with %RH, like 45%RH. Atmospheric air always contains water vapor, the percentage of which depends on meteorological conditions. The higher the temperature is, the more the air keeps water vapor. Therefore, we use the concept of "relative humidity". In winter, when the cold air is heated up to a comfort temperature, the relative percentage of the water vapor falls, which means the relative humidity drops. In order to keep a comfortable and health environment at home, we need some artificial addition of water or water vapor to the room air- that's air humidification.

Ideal relative humidity levels under different situations.

The most comfortable RH for human being:	45-65%RH
Ideal RH for prophylactic and curative purpose:	40-55%RH
Computer and telecom apparatuses:	45-60%RH
Furniture and musical instruments:	40-60%RH
Library art gallery and museums:	40-60%RH

How to Use

Adding Water



Rotate the cap in the "open" direction to remove the cap, add an appropriate amount of water into the tank, and screw the cap back on in the lock direction until no water leaks. Do not rotate it with excessive force

Operation Instruction

First operation , put the humidifier in the room temperature for half an hour before switch it on.

It is recommended to use the humidifier under temperature of 20°C, relative humidity less than 80%RH.

Use clear water not over 40°C.

Check the water basin, make sure it is clear.

Instructions for usage

- 1.Put the humidifier on a flat surface.
- 2.Take out the water tank for filling water, afterwards put the water tank back on the main base.
- 3.Check if the rated voltage meets the input voltage , and plug into a socket.
- 4.Press the power button for the 1st time. The humidifier works in speed 1 with purple color on.Touch again, it works in speed 2 with blue color.
The 3rd touch, it will switch off.
- 5.If lack of water , the humidifier will stop working , and the button light will change to red color. After water is added , the humidifier will be back to work again.

If the water tank is removed during operation , this unit will stop working and the indicator will be in red.

Trouble Shooting Guide

If any trouble is found in normal operation, please kindly refer to below:

Trouble	Possible Cause	Solution
Power lamp is off when switched on	Humidifier is not plugged in.	Plug the humidifier into a powered electrical socket.
	Power cord is damaged.	Immediately discontinue use and contact Customer Support.
	Humidifier is defective or malfunctioning.	
Water shortage indicator is on	No water in the tank.	Refill the water tank wait at least 1 minute.
	Water level is low.	Wait at least 1 minute.
	The water level required has not yet reached the vaporization compartment.	
	The water tank isn't well positioned.	
	The humidifier isn't on a flat surface.	Check the positioning of the humidifier.
Humidifier produces an unusual smell	Humidifier is new.	Take out water tank, open cover, let it stay 12 hours in cool position.
	Dirty water or water sitting too long.	Clean water tank, fill with clear water.
Humidifier makes a loud or unusual sound	Resonant in water tank when water is too low.	Fill water into water tank.
	Humidifier is on an unstable surface.	Move the humidifier to a stable flat surface.
	Water tank is positioned incorrectly.	Turn off and unplug the humidifier, then align the water tank cover with its respective opening in the inner chamber.
	Humidifier is malfunctioning.	Immediately discontinue use and contact Customer Support.
There is condensation in the room	The room temperature is too low.	Heat the room up.
The mist suddenly stops coming out	The water shortage indicator is on.	Refill water tank.
White dust appears around the humidifier	Water being used has a high mineral content.	Use distilled water with the humidifier. If distilled water is not available, use purified or filtered water. Remember to clean water tank at least once a week.
	Humidifier was not properly cleaned after last use.	Clean humidifier.

Mist is coming out from the base	Water tank is not positioned correctly.	Turn off and unplug the humidifier, then align the water tank cover with its respective opening in the inner chamber.
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The following is not considered faulty operation:

- 1.If your water is very hard (containing abnormally high levels of minerals) the humidifier may produce white dust. This is not a malfunction. The solution would be to clean the filter more often or use softer water.
- 2.If you stand very close to the humidifier, you will hear the gurgling sound of water. This is normal.
- 3.The humidifier operates very quietly but it is not completely silent. Noise levels less than 35dB(A) is considered normal.

Technical Data:

Model: SPS-923A
Power supply: 120V 60Hz
Humidify power: 22W
Water tank capacity: 2.3L
Evaporation Rate: $\geq 160\text{ml/H}$
Noise level: $\leq 35\text{dB(A)}$

Maintenance

In a case when the water is hard which means water contains too much calcium and magnesium, it can cause a “white powder” problem and leave heavy scales on the surface of water basin, transducer and inner surface of the water tank. Scales on the surface of transducer will let the humidifier work improperly.

We Recommend

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

How to clean the transducer

- 1) Unplug the humidifier before cleaning.
- 2) Clean with clean water or citric acid if there is scale in it.
- 3) Brush off the scale from the surface.
- 4) Rinse the transducer with clean water.

How to clean the basin of the humidifier

- 1) Unplug the humidifier before cleaning.
- 2) Clean the water basin with soft cloth or use citric acid if there is scale in it.
- 3) Drop citric acid on the scale and keep for 2-5 mins and clean it out with the brush.
- 4) Rinse the water basin with clean water.

FCC COMPLIANCE STATEMENT

This device complies with Part 18 of FCC Rules.

- 1、 This equipment has been tested and found to comply with the limits for a Consumer ISM equipment, pursuant to Part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio

communications. However, there is no guarantee that interference will not occur in a particular installation.

- 2、 Please note that changes or modifications of this product is not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- 3、 If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.



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