

SHARPER IMAGE®

DIGITAL ULTRASONIC HUMIDIFIER

Item No. 204976

Owner's Manual



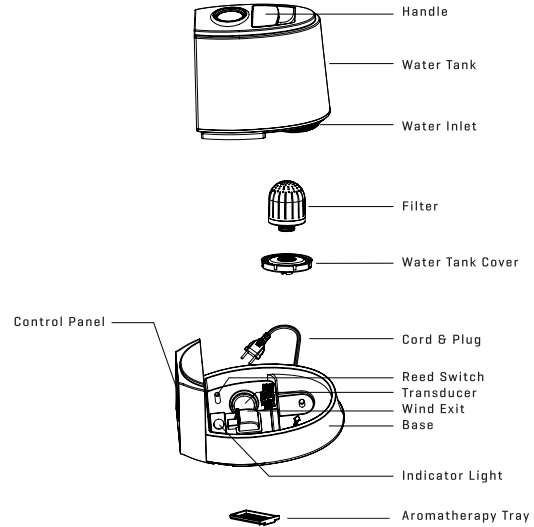
Thank you for purchasing the Sharper Image Digital Ultrasonic Humidifier. Please take a moment to read this Owner's Manual and store it for future reference.

FEATURES

- High efficiency, cool mist humidification
- Recommended for rooms 320-430 sq. ft.
- Manual and automatic humidity level controls
- 5-liter tank provides up to 26 hours of mist [on low setting]
- Optional ionizer air purification
- Special plastic with nano-silver material prohibits the growth of bacteria
- Ceramic balls soften hard water
- Ceramic filter eliminates odors
- Easy-to-read LCD display with auto dimming feature
- Displays the temperature and relative humidity
- Controlled by touchscreen or wireless remote
- Automatic shutoff timer [1-12 hours]

- Adjustable mist output [low/medium/high]
- Adjustable, two-directional nozzle
- Ultra-quiet operation
- Easy-to-fill tank with built-in handle
- Low energy consumption [saves 85% - 90% of electricity vs. traditional steam humidifiers]

IDENTIFICATION OF PARTS



TECHNICAL SPECIFICATIONS

Model: SPS-702

Power supply: 120V 60Hz

Motor: 30W

Water tank capacity: 5L

Max Evaporation Rate: 400ml/H

Noise level: ≤35dB[A]

HOW IT WORKS

The Digital Ultrasonic Humidifier uses an ultrasonic high-frequency oscillator to turn water into a superfine cool mist — tiny water particles measuring 1 to 5 microns. A built-in fan blows the mist into the air, where it evaporates to provide the required humidity.

WHAT IS RELATIVE HUMIDITY?

Relative humidity [abbreviated RH] is the ratio of the partial pressure of water vapor to the equilibrium vapor pressure of water at a given temperature. Relative humidity depends on the temperature and the air pressure. It requires less water vapor to attain high relative humidity at low temperatures. More water vapor is required to attain high relative humidity in warm or hot air.

IDEAL RELATIVE HUMIDITY LEVELS FOR DIFFERENT SITUATIONS	
Most comfortable for bedroom or living room	45%-65%RH
Ideal for patient's room	40%-55%RH
Ideal for computer equipment	45%-60%RH
Ideal for furniture and musical instruments	40%-60%RH
Ideal for library, art gallery or museum	40%-50%RH

OPERATING INSTRUCTIONS

1. Place unit on a hard, flat surface.
2. Fill tank with clean water [cold or room temperature].
3. Place the tank on the base.
4. Plug the unit into an AC outlet.
5. Switch on the unit by pressing the "ON/OFF" button. The LED display will illuminate BLUE and the mist output will default to Level 2. The LED display also shows the current temperature and the relative humidity.
6. Press the "MAX-MIN" button to adjust the mist volume from Level 1 [low] to Level 3 [high].
7. Press the "ANION" button to begin generating ions, which purify the air. Ions are charged particles that bond with airborne bacteria and other contaminants. These bonded particles become heavier,

causing them to fall from the air, leaving the air cleaner, with fewer airborne contaminants. When the ionizer is on, the LED display will show a tree icon. Press the "ANION" button again to stop this function.

SETTING THE HUMIDITY

This unit can run continuously, or it can be programmed to maintain a consistent level of humidity that suits your needs.

1. Press the "HUMIDITY" button once. The LED display flashes "Co" for "constant operation." In this mode, a specific humidity level has not been programmed. The unit will generate mist constantly, regardless of the humidity level in the room.
2. Press the button again to program the humidity, from 45%RH to 75%RH, in increments of 5%. Stop pressing the button when you reach your preferred humidity setting. After three seconds, your programmed humidity level will disappear and the display will resume showing the **current** humidity. The humidity icon will flash, indicating that the unit is monitoring the humidity and will adjust itself automatically to maintain your programmed level of humidity.
Note: If your programmed humidity is less than the current humidity, the unit will go into sleep mode and stop producing mist. If the current humidity drops below your programmed level, the unit will automatically resume producing mist.
3. To return to the "constant operation" mode, keep pressing the "HUMIDITY" button until the LCD display shows "Co."

TIMER SETTING

This unit has a timer that will turn off the humidifier after a specified number of hours. There are 12 timer settings, from 1 to 12 hours.

1. Press the "TIMER" button. The number 1 and the letter H appear on the LCD screen, indicating that the timer is set to turn off in 1 hour.
2. Continue pressing the "TIMER" button until you reach the number of hours you wish the unit to continue running.
3. To turn off the timer function, continue pressing the "TIMER" button until the display shows "- - H." At this point, the H symbol will disappear, indicating that the timer function is off.

OPTIONAL AROMATHERAPY TRAY

This unit features a built-in Aromatherapy Tray to let you diffuse your favorite scented oil. As you look at the front of the unit. Locate a small tab along the bottom, right side of the base. Pull the tab out with your right index finger. Add 2-3 drops of essential oil to the white felt pad and replace the tray. Your scented oil will be diffused for a soothing, calming effect.

AUTOMATIC SHUTOFF PROTECTION

If the water level is too low for the unit to function, the unit will beep for 3 seconds and turn itself off automatically. Refill the tank and restart the unit.

Note: Never attempt to operate the unit when the water tank is empty, as this could damage the unit.

GENERAL MAINTENANCE

In areas with hard water [high concentration of calcium, magnesium or other minerals in the water], you may notice a white powder residue on the unit, as well as scales on the surfaces of the water basin, transducer and/or the inner surface of the water tank. Scales on the surface of transducer will render the unit inoperable.

WE RECOMMEND:

- Use cold boiled water or distilled water.
- Clean the transducer, water tank and basin unit every week.
- Change the water in water tank often to keep it fresh.
- Drain the water and allow the entire unit to dry before storing it.

CLEANING THE FILTER SYSTEM

For best results, the ceramic balls in the filter system should be cleaned after 1,000 liters of water [approximately 200 refills]:

1. Remove Filter System from tank cover.
2. Submerge Filter System in a mixture of white vinegar and water or citric acid and water for about 10-15 minutes.
3. Remove the Filter System and shake several times.
4. Rinse with clean water and allow to dry.

CLEANING THE TRANSDUCER

Place 5-10 drops of mild detergent on the surface of the transducer. Wait for 2-5 minutes, then brush with a soft brush. Rinse with clean water and allow to dry.

CLEANING THE BASE

Clean the water basin with a soft cloth and mild detergent. Use a soft brush if necessary. Rinse with clean water and allow to dry.

TROUBLE SHOOTING GUIDE		
PROBLEM	POSSIBLE REASON	POSSIBLE SOLUTION
Power lamp off.	No power supply.	Plug unit into an AC outlet and turn the unit on.
Power lamp is on but no mist is coming out.	No water in water tank.	Add water to water tank.
	Tank has water, but the tank is not resting properly on the base.	Reposition the tank so that it fits properly on the base.
Mist has a strange odor.	This might be a normal smell for a new item.	Remove the water tank, open the cover and let it air out for 12 hours.
	The water might be dirty or standing for a long time.	Clean the water tank and refill with fresh, clean water.
Power lamp is on, but the unit doesn't work.	Too much water in the water basin.	Remove some water, replace the tank and turn the unit on.
Mist fog is too small	Too much scale in the water basin.	Clean the transducer.
	Water is dirty.	Clean the water tank and refill with fresh, clean water.
Abnormal noise	Water level is too low.	Add water to water tank.
	Unit is on an unstable surface.	Move the unit to a stable, flat surface.
Mist is leaking from around the nozzle.	Nozzle is not sitting correctly on the device.	Reposition the nozzle so it makes proper contact. Dip the nozzle in water if necessary to form a tighter seal.

SAFETY WARNINGS

- DO NOT disassemble the unit. There are no user-serviceable parts.
- DO NOT use the unit if the power cord appears damaged.
- DO NOT pour detergents or other chemicals into the tank.
- Unplug the unit during cleaning, maintenance or whenever it is not being used.
- DO NOT touch the water in the Water Basin or other components when the unit is working.
- DO NOT turn on the unit when there is no water in the tank.
- DO NOT scrape or clean the transducer with chemicals.
- DO NOT let water splash into the inner base unit.
- DO NOT allow children to play with this unit. It is not a toy.
- This unit is for indoor use only.

DISPOSAL

Please dispose of this unit and the remote control batteries in accordance with local laws.



WARRANTY / CUSTOMER SERVICE

Sharper Image branded items purchased from SharperImage.com include a 1-year limited replacement warranty. If you have any questions not covered in this guide, please call Customer Service at 1 (877) 210-3449.

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