

Crane

INSTRUCTION MANUAL

GERM DEFENSE

**DIGITAL ULTRASONIC COOL MIST/WARM
MIST HUMIDIFIER**

MODEL# EE-8064



**PLEASE READ AND SAVE ALL INSTRUCTIONS TO ENSURE THE
SAFE AND EFFECTIVE USE OF THIS APPLIANCE.**

TABLE OF CONTENTS

Table of Contents	P.2
Important Safety Instructions	P. 3
General Safety Instructions	P.4
List of Main Parts, Tech. Specifications, Contents of Packaging	P.5
Germ Defense Cool and Warm Mist Features	P.6
Operation and Use	P.6-8
Digital Control Panel Instructions	P.7
Maintenance	P.9
Trouble Shooting	P.10
Service Center Information	P.10
Warranty Information	P.11
Warranty Card	P.12



IMPORTANT SAFETY INSTRUCTIONS

INTRODUCTION

Thank you for purchasing our CRANE Digital Ultrasonic Cool/warm Humidifier. Each unit has been manufactured to ensure safety and reliability. Before using the humidifier for the first time, please read the instructions carefully, and keep them for further reference.

WARNING! READ AND SAVE THESE INSTRUCTIONS. Failure to follow all the instructions listed below may result in electric shock, fire and/or serious personal injury.

1. **DO NOT carry water tank by handle when it is filled with water. It is advisable to carry filled water tank with two hands.**
2. **DO NOT operate outdoors; this humidifier is intended for indoor use only.**
3. Always have water in the water tank when operating the unit.
4. Use only clean, cool tap water to fill the tank (filtered or distilled water is recommended to avoid white dust if tap water is too hard). DO NOT use hot water.
5. Be sure that the water tank cap of the tank is firmly tightened. Place the mist so it aims away from children, walls, furniture, and electrical appliances.
6. Use only a 110-120VAC outlet. **ALWAYS plug and unplug unit with dry hands.**
7. Never operate the unit with a damaged cord or plug.
8. Always place the unit on a smooth, flat, lint free, non-metallic, level, waterproof surface, and away from direct sunlight. Keep the cord away from heated surfaces and areas where it could be walked on or tripped over. Unplug the unit when not in use and whenever you clean or move the unit.
9. Do not add medication of any type into the nozzle, base or water tank. Do not cover any openings on the unit or insert objects into any openings.
10. The unit should not be left unattended in a closed room as the air could become saturated and leave condensation on walls or furniture. Leave room door partly open.
11. When cleaning the water basin keep water away from the air outlet / fan vent. The exterior may be wiped with a damp cloth, except the electrical controls, **only when the unit is off and unplugged.** Humidifier requires regular cleaning. Refer to cleaning instructions.
12. Do not tilt or tip the unit or attempt to empty or fill it while it is in operation.
13. Do not use a detergent to clean any parts of the unit that contain water.

SAVE THESE INSTRUCTIONS!

GENERAL SAFETY INSTRUCTIONS



WARNING! Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire or serious personal injury. The warnings, cautions, and instruction discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are a factor which cannot be built into this product, but must be supplied by the operator.

Do not let your child play with this appliance. Serious injury and electrocution might be possible. This appliance has to be operated by an adult only. Children should be supervised to ensure that they do not play with the humidifier.

SAVE ALL INSTRUCTIONS!

CAUTION: A short power supply cord is provided to reduce the risk of personal injury resulting from becoming entangled in or tripping over a longer cord. Extension cords are available from local hardware stores and may be used if care is exercised in their use. If an extension cord is required, special care and caution is necessary. Also the cord must be: (1) marked with an electrical rating of 125 V and at least 13 A., 1625 W., and (2) the cord must be arranged so that it will not drape over the countertop or tabletop where it can be pulled on by children or tripped over accidentally.

ELECTRIC POWER

If electric circuit is overloaded with other appliances, your appliances may not operate properly. The appliances should be operated on a separate electrical circuit from other operating appliances.

POLARIZED PLUG

This appliance has a polarized plug (one blade is wider than the other). As a safety feature to reduce the risk of electrical shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.



SAFETY WARNING

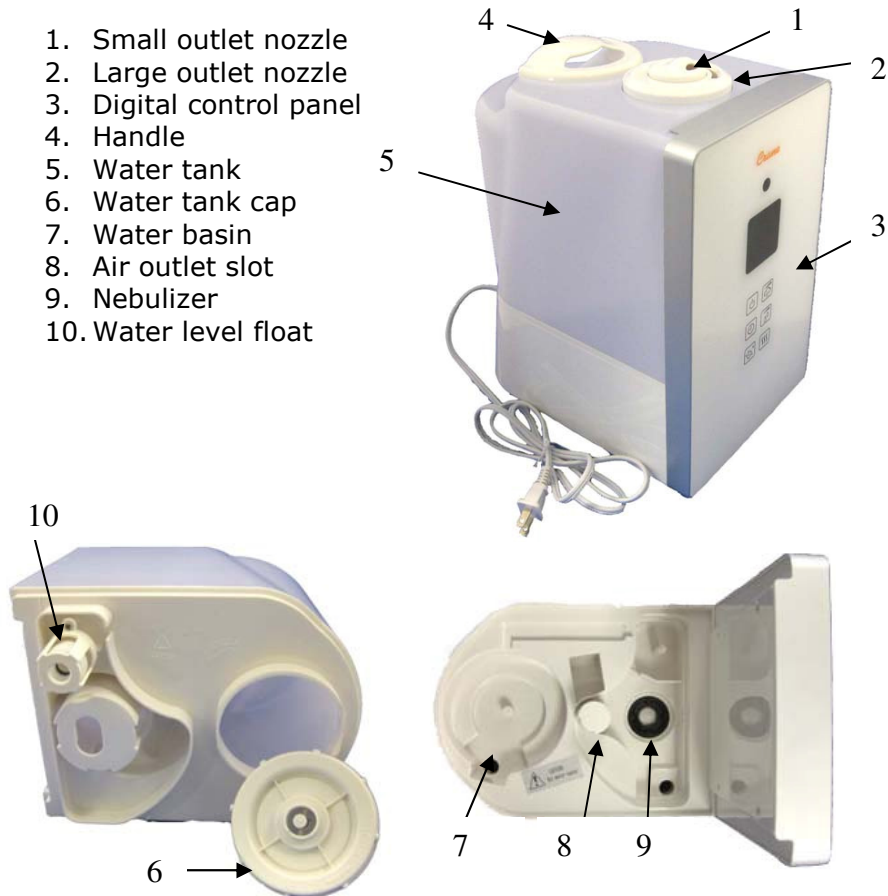
Although your appliance is easy to operate, for your safety, the below warnings must be followed:

1. Do not place the appliance near a heat source.
2. Never leave the appliance unattended while connected to the electrical outlet.
3. To avoid any accidents, never cover mist output when the appliance is in operation.
4. Use the appliance on a stable surface away from water.
5. Do not unplug from the wall socket by pulling on the supply cord.
6. The appliance must be unplugged:
 - A. Before either filling or emptying
 - B. Before any cleaning or maintenance
 - C. After use
 - D. If it appears to be faulty

THIS PRODUCT IS INTENDED FOR HOUSEHOLD USE ONLY.

LIST OF MAIN PARTS

1. Small outlet nozzle
2. Large outlet nozzle
3. Digital control panel
4. Handle
5. Water tank
6. Water tank cap
7. Water basin
8. Air outlet slot
9. Nebulizer
10. Water level float



TECHNICAL SPECIFICATIONS:

Rating Voltage	120V
Frequency	60Hz
Power Cool Mist	30W
Power Warm Mist	130W
Water Tank Capacity	1.5 Gallon / 6 Liter
Output Per 24 Hours	Up to 2.5 Gallon
Run Time Per Tank	Up to 24 hours
Humidifying Capacity	Up to 500 sq.ft. / 46 m2

CONTENTS OF PACKAGING

- a. Instruction Manual
- b. Central Humidifier Body (water basin)
- c. Nebulizer Cleaning Brush (located inside water basin)
- d. Water Tank with Mist Output Slot

If any of the above items are missing, please contact our service department at 1-888-599-0992 (<http://www.crane-usa.com>) for replacement. Business hours Mon-Fri 9:00am - 4:00pm CT

GERM DEFENSE COOL AND WARM MIST HUMIDIFIER FEATURES

CRANE'S GERM DEFENSE

Crane's Germ Defense humidifiers are embedded with small natural antimicrobial silver particles into the water tank and water basin to help fight the growth of bacteria, viruses and mold. This technology ensures that the humidifier disperses a clean, hygienic mist.

WARM MIST AND COOL MIST

You can select a warm mist or cool mist with this humidifier.

Basically it is a matter of preference to warm mist or cool mist. Humidifiers add moisture to the air, which helps ease coughing and congestion due to a cold and relief from dry skin, chapped lips, and dry eyes. Warm mist and cool mist humidifiers are equally effective in humidifying the air.

- Warm Mist heats the water emitting a warm mist.
- Cool mist emits a slightly cool mist and will not affect the room temperature very much (if at all).

ULTRASONIC HUMIDIFIER

Ultrasonic is a feature to this humidifier. The humidifier uses a metal diaphragm vibrating at an ultrasonic frequency, much like the element in a high-frequency stereo speaker to create mist. An ultrasonic humidifier is whisper quiet and produces light mist into the room.

OPERATION AND USE

BEFORE EACH USE

CHECK HUMIDIFIER PLACEMENT - Place the Humidifier on elevated non-metallic lint free, waterproof, level surface at least 5 inches away from walls and heat sources. This is to help disperse the mist in the air, and prevent it from being knocked over or cause moisture damage to surface.

DO NOT place Humidifier on top of a towel, or a carpeted surface. The fan vent on the bottom may become blocked, and overheat the humidifier.

DO NOT place the humidifier on a wood surface or near furniture that can be damaged by too much moisture.

CHECK FAN VENT - This fan vent is located on the bottom of the humidifier. The purpose of the Fan Vent is to intake air which is then disbursed through the air outlet slot. It is important that this part is kept clean and free of obstructions. We recommend checking the fan vent before using this item (i.e. lint, paper)

CAUTION:

DO NOT operate the humidifier without water in the water tank.

DO NOT plug in the cord with wet hands; electric shock could happen.

DO NOT USE ADDITIVES TO THE WATER

Additives cannot be added to the water, such as oils, fragrances, or vapor/steam medicines. This humidifier is not made to take additives. Any use of additives will void the manufacturer's warranty.

Digital Control Panel Instructions

NOTE: Use on/off button to reset the humidifier.



ON/OFF- Switch humidifier on/off by pressing this button.



TIMER – The lower bar of numbers on the digital display are for the timer. You can set the timer for 1- 12 hours or C for continuous run up to 24 hours. There are 4 numbers on the digital screen (1,2,4,5). Press timer button to select desired hours of operation. For example for 8 hours the digital display will be **08** and the lower bar will show numbers 1,2 and 5 = total 8. The digital number will eventually disappear but the lower numbers will stay. **NOTE:** C indicates continuous run. C will appear after pressing the timer button 12 times.



IONIZER – Press this button to enrich mist with negative ions to freshen the room air.



MIST OUTPUT CONTROL- The first bars of numbers on the digital display are for the mist output. Low - 1 (3 bars illuminate on either side), Med-2 (6 bars illuminate on either side), High-3 (8 bars illuminate on either side).



SET HUMIDITY LEVEL – Press this button to set desired humidity level. You can set the humidity level between 40% - 80%. The recommended humidity level is between 40% - 60%. Press button 10 times for continuous output.



COOL/WARM MIST SELECTOR- When humidifier is on, cool mist will automatically start. To select warm mist, press button, when blue sun symbol appears on the bottom right corner of display the warm mist will activate within 15 minutes.

AUTO SHUT OFF –When the water level gets low the humidifier will automatically shut off. A red light in the lower right side of digital display will flash indicating the water level is low and the humidifier mist has turned off.

ASSEMBLY

1. Lift the water tank off the water basin water basin.
2. Turn over the water tank and unscrew the water tank cap at the bottom.
3. Fill water tank with cold water; do not fill all the way to the rim. **DO NOT CARRY FULL WATER TANK BY HANDLE.** ALWAYS HOLD FULL WATER TANK WITH TWO HANDS ON EITHER SIDE OF WATER TANK

Note: To avoid possible white dust due to hard water it is recommended to use distilled or filtered water or purchase a Crane demineralization filter.

DO NOT use hot water. Use cool tap water.
DO NOT add any medication to other additives to the water
DO NOT pour water into Mist Outlet Channel.

4. Replace the water tank cap securely to tank.
5. Turn the tank over, holding one hand by the top handle and another hand under tank. Place full water tank on the water basin, making sure it fits perfectly.
6. Plug the power cord into a wall socket and turn on the unit.
7. SEE DIGITAL CONTROL PANEL INSTRUCTIONS ABOVE.

OPTIONAL HUMIDIFIER DEMINERALIZATION FILTER FOR HARD WATER

(Demineralization Filters are not included with the humidifier and can be purchased separately from Crane USA.)

A demineralization filter is an optional accessory for your Crane Cool Mist Humidifier. Demineralization filters are used to reduce white dust caused by hard water. Soak filter in water for 30 minutes to activate performance. The filter will replace the water tank cap. For more information visit www.crane-usa.com.

SET THE CORRECT HUMIDITY OUTPUT

ALWAYS PLACE THE HUMIDIFIER ON AN ELEVATED NON-METALLIC, LINT FREE, WATERPROOF, LEVEL SURFACE FOR BEST PERFORMANCE.

- Do not turn on too high output as the mist cannot be absorbed by the air and accumulates on the surface around the humidifier.
- If the humidifier is placed near a fan or air conditioning outlet the mist may be forced down by the foreign air stream. Change the location of the humidifier or reduce the output of the other room air conditioning appliances.

A NOTE ABOUT HUMIDITY

- It is best to keep the humidity level at about 40% - 60% percent of relative humidity.
- In cold weather, windows and even some walls may fog or develop frost from excessive indoor humidity. If this occurs, reduce the mist intensity setting to void damage from condensed water dripping on windowsills.
- Too much humidity in the room may allow moisture to accumulate on surfaces where bacteria and fungi can grow. Moisture that gathers may also damage furniture and walls, especially wallpaper.
- To eliminate excessive humidity and possible fog like mist, especially in small rooms, leave the room door open and adjust the mist intensity control setting.

MAINTENANCE

IMPORTANT: It is important to keep your humidifiers clean. Cleaning and disinfecting on a regular basis is important for maintaining a humidifier's performance. NEVER PLUG OR UNPLUG UNIT WITH WET HANDS. NEVER IMMERSE WATER BASIN IN WATER.

DO NOT leave water in water tank or water basin when unit is not in use as it may result in the build up of mineral deposits and bacteria that can inhibit the output efficiency of the humidifier. ALWAYS use fresh water.

DAILY MAINTENANCE

1. Always turn off and unplug humidifier from outlet before cleaning.
2. Empty water from the water tank and water basin daily.
3. Wipe and dry water basin with a clean, dry cloth or paper towel
4. Replace the water tank. You are now ready to use your humidifier.

WEEKLY MAINTENANCE

1. Always turn off and unplug from outlet before cleaning.
2. Remove the tank from the base. Empty water from tank and the water basin.
3. Fill the water tank with gallon of warm water. Add 2 Tablespoons of white vinegar. Shake vigorously and allow to sit for 30 minutes. Shake vigorously again and empty the water. Wipe inside of the water tank with damp cloth. Rinse water tank a few times to get rid of the vinegar smell.
4. Make a white vinegar water solution. Pour into water basin. Let sit for 30 minutes then empty. Rinse with only water a few times to remove any vinegar smell. Wipe with a clean soft cloth. Wipe dry.

END OF SEASON MAINTENANCE

1. Remove the tank from the base. Empty the water from the tank and the base.
2. Disinfect water tank and water basin with the white vinegar and water solution.
3. Make sure that water tank has air dried without the water cap secured.
4. Make sure the water basin and water tank is completely dry before end of season storage. Store the humidifier in a cool dry place.

STORING YOUR HUMIDIFIER

Store the appliance in a dry location. Do not place any heavy items on top of appliance during storage as this may result in possible damage of the appliance. Always check the plug before use to assure metal items have not become attached.

TROUBLE SHOOTING

CAUTION: DO NOT attempt to repair the motor or nebulizer yourself. If the humidifier continues to not operate please call our service center (1-888-599-0992)

Problem	Solution
<i>If humidifier does not work at all:</i>	<ul style="list-style-type: none">▪ Ensure it is properly plugged into a power outlet. Unplug and re-plug into power outlet.▪ Check to see if the digital display is illuminated or the auto shut off red light is flashing.▪ If there are no light illuminated contact Crane service center.
<i>If there is a strange odor:</i>	<ul style="list-style-type: none">▪ Clean the tank with water and few drops of white vinegar with water solution and rinse with clean water.▪ Leave the tank open for some time without the cap, in a cool place.
<i>The digital display is on but there is no mist:</i>	<ul style="list-style-type: none">▪ Unplug and re-plug into power source.▪ Check that there is water in the tank.▪ Check for possible lime deposits on the nebulizer.▪ Make sure that nothing blocks the mist output slot.▪ Check that the air vent on bottom of humidifier is not blocked.▪ Empty the humidifier and rinse the water basin with cool tap water and allow to dry for 15 to 30 min.▪ If nothing works please contact customer service.
<i>White dust appears and settles outside the humidifier:</i>	<ul style="list-style-type: none">▪ Area tap water may have too many minerals, change to filtered or distilled water. Demineralization filters are available for purchase www.crane-usa.com.

SERVICE CENTER

If you have any question in regards to the operation of this appliance or are in need of a spare part please contact our service center at:

Crane USA

Tel: 1-888-599-0992 (Business Hours Mon-Fri 9:00am-4:00 pm Ct)

E-Mail: customer-service@crane-usa.com

Website: <http://www.crane-usa.com>

621 IL. Route 83, Ste 202

Bensenville, Illinois 60106

ENVIRONMENTAL PROTECTION

If the appliance should no longer work at all, please make sure that it is disposed in an environmentally friendly way, by handing it into a public collection point. Please do not put it with your household waste.



LIMITED WARRANTY

Thank you for purchasing a top quality **Crane** product. This Digital Cool and Warm Mist Humidifier was tested and meets our stringent quality standards. This product is warranted to be free from manufacturing defects under normal use and conditions for 1 year.

In case you find this product to have a manufacturing defect please proceed as follows:

- A. Within 90 days of purchase: return the product to your retailer for a replacement or a refund.
- B. After 90 days and within the warranty period: send the product and all of it's accessories to our service center. The consumer will be responsible for all shipping costs to the Crane Service Center. Crane will not assume responsibility for loss or damages to the product being returned to us. To avoid transport damages carefully package the product and insure it with the carrier. Be sure to fill out the warranty card and include it with a copy of the dated sales receipt. In return you will receive your repaired item, or a new product at the service center's discretion.

WARRANTY IS ONLY VALID WITH A DATED PROOF OF PURCHASE.

The warranty is void if the defect is due to accidental damage, misuse, abuse, neglect, improper repair or alteration by unauthorized persons or failure to follow operation instructions provided with the product. This warranty does not apply to normal wear and tear, as well as commercial use.

The warranty is non-transferable and applies only to the original purchase and does not extend to subsequent owners of the product. Liability under this warranty is limited to repair, or replacement. In no event shall liability exceed the purchase price paid by the purchaser of the product. Under no circumstances shall there be liability for any loss, direct, indirect, incidental, special or consequential damage arising out of in connection with use of this product.

This warranty is only valid in the 48 contiguous states plus the District of Columbia. Excluding Alaska, Hawaii, Puerto Rico, and the Virgin Islands. This warranty is effective only if the product is purchase and operated in the United States of America.

This Warranty gives you specific legal rights. However you may have other rights that vary from state to state. Some states do not allow limitation on implied warranties or exclusion of consequential damages therefore these restrictions may not apply to you.

Any instruction or warranty included in this manual may be subject to change with out notice. For the most up to date set of instructions and warranty please contact us or visit our web site.

Crane USA Inc.

Tel: 1-888-599-0992 (Business Hours Mon-Fri 9:00am-4:00 pm CT)

E-Mail: customer-service@crane-usa.com

Website: <http://www.crane-usa.com>

621 IL. Route 83, Ste 202

Bensenville, Illinois 60106

WARRANTY CARD



Crane Digital Cool Mist / Warm Mist Humidifier

In case you find this product to be defective please proceed as follows:

- A. Within 90 days of purchase: return the product to your retailer for a replacement or a refund.
- B. After 90 days and within the warranty period: send the product and all of it's accessories to our service center. The consumer will be responsible for all shipping costs to the Crane Service Center. Crane will not assume responsibility for loss or damages to the product being returned to us. To avoid transport damages carefully package the product and insure it with the carrier. Be sure to fill out the warranty card and include it with a copy of the dated sales receipt. In return you will receive your repaired item, or a new product at the service center's discretion.

This Air Purifier was tested and meets our stringent quality standards. This product is warranted to be free from manufacturing defects in original materials, including original parts, and workmanship for 1 year with dated proof of purchase.

Please print clearly and fill in your details below. Send it together with the product and purchase receipt. Please read the Limited Warranty conditions mentioned in this instruction manual.

Customer Name	
Street	
City	
State	
ZIP Code	
Phone #	
Model #/Style	
Purchase Date	
Description of Defect :	

Service Center Address:

Crane USA Inc.

621 IL Route, Ste 202, Bensenville, Illinois 60106

Tel: 1-888-599-0992 Hours Mon-Fri 9:00am-4:00 pm CT)

<http://www.crane-usa.com> E-Mail: customer-service@crane-usa.com

PLEASE DETACH THIS SECTION AND RETURN IT WITH YOUR PRODUCT

WARRANTY CARD



