



15 INCH BUILT-IN ICE MAKER BN88
USE AND CARE MANUAL



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ICE MAKER SAFETY

Your safety and the safety of others are very important. We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the Safety Alert Symbol. This symbol alerts you to potential hazards that can injure or kill you and others. All safety messages will follow the Safety Alert Symbol and either the words **DANGER**, **WARNING** or **CAUTION**.



DANGER means that failure to heed this safety statement may result in severe personal injury or death.



WARNING means that failure to heed this safety statement may result in extensive product damage, serious personal injury or death.



CAUTION means that failure to heed this safety statement may result in minor or moderate personal injury, or property or equipment damage.

All safety messages will alert you to what the potential hazard is, tell you how to reduce the chance of injury, and let you know what can happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS WARNING:

To reduce the risk of fire, electric shock or injury when using your ice maker, follow these basic precautions:

- Plug into grounded 3-prong outlet.
- Do not remove grounding prong.
- Do not use an adapter.
- Do not use an extension cord.
- Disconnect power before cleaning.
- Disconnect power before servicing.
- Replace all panels before operating.
- Use two or more people to move & install ice maker.

IMPORTANT SAFEGUARDS



Before the ice maker is used, it must be properly positioned and installed as described in this manual, so read the manual carefully. We strongly recommend that you have a professional install your new machine. The warranty may be affected or voided by an incorrect installation. To reduce the risk of fire, electrical shock or injury when using the ice maker, follow basic precautions, including the following:



- Plug into a grounded 3-prong outlet; do not remove grounding prong, do not use an adapter, and do not use an extension cord.
- It is recommended that a separate circuit, serving only your ice maker, be provided. Use receptacles that cannot be turned off by a switch or pull chain.
- Do not connect or disconnect the electric plug when your hands are wet.
- Never unplug the ice maker by pulling on the power cord. Always grip the plug firmly and pull straight out from the outlet.
- Never clean ice maker parts with flammable fluids. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliances. The fumes can create a fire hazard or explosion.
- Before proceeding with cleaning and maintenance operations, make sure the power line of the unit is disconnected and the water line is shut off.
- Before operating, pull all panels back into place.
- Never allow children to operate, play with or crawl inside the ice maker.
- Do not touch the evaporator with your hand when the machine is operating.
- Unplug the ice maker or disconnect power before cleaning or servicing. Failure to do so can result in electrical shock or death.
- Do not attempt to repair or replace any part of your ice maker unless it is specifically recommended in this manual. All other servicing should be referred to a qualified technician.



- Use two or more people to move and install the ice maker. Failure to do so can result in back or other injury.
- To ensure proper ventilation for your ice maker, the front of the unit must be completely unobstructed. Choose a well-ventilated area with temperatures above 45°F[7°C] and below 110°F[43°C].
- The ice maker should not be located next to ovens, grills or other sources of high heat.
- The ice maker must be installed with all electrical and water connections in accordance with state and local codes. A standard electrical supply (115VAC, 60 Hz, 15 A), properly grounded in accordance with the National Electrical Code and local codes and ordinances, is required.
- Do not kink or pinch the power supply cord between the ice maker and cabinet.

IMPORTANT SAFEGUARDS

- The fuse(or circuit breaker)size should be 15 amperes.
- It is important for the ice maker to be leveled in order to work properly.Otherwise water may not flow properly through the evaporator lice mold].The ice production will be less than normal.You may need to make several adjustments to level it.
- All installations must be in accordance with local plumbing code requirements.
- Make certain that hoses are not pinched,kinked or damaged during installation.
- Check for leaks after water line is connected.
- Although the unit has been tested and cleaned at the factory,due to long-term transit and storage,the first batch of cubes must be discarded.
- Remove the packing materials and clean the ice maker before using.
- Turn on the water supply tap before switching on the ice maker.Never turn the water supply tap off when the ice maker is working.
- Except to take ice from the unit,keep the door closed in order to reduce ice melting and to promote proper ice formation.
- If the ice maker will not be used for a long time,before the next use it must be thoroughly cleaned.Follow carefully any instructions provided for cleaning or use of sanitizing solution.Do not leave any solution inside the ice maker after cleaning.
- DO NOT use solvent-based cleaning agents or abrasives on the interior.These cleaners may transmit taste to the ice cubes,or damage or discolor the interior.
- The ice machine cleaner contains acids.Do not use or mix with any other solvent based cleaning products. Use rubber gloves to protect hands.Carefully read the safety instructions on the container of the ice machine cleaner.
- Do not use the apparatus other than for its intended purpose.

SAVE THESE INSTRUCTIONS

ELECTRICAL CONNECTION

Do not,under any circumstances,cut or remove the third (ground)prong from the power cord.For personal safety,this appliance must be properly grounded.The power cord of this appliance is equipped with a 3-prong grounding plug that mates with a standard 3-prong grounding wall outlet to minimize the possibility of electric shock hazard from the appliance.Have the wall outlet and circuit checked by a qualified electrician to make sure the outlet is properly grounded.When a standard 2-prong wall outlet is encountered,it is your responsibility and obligation to have it replaced with a properly grounded 3-prong wall outlet.The ice maker should always be plugged into its own individual electrical outlet which has a voltage rating that matches the rating label on the appliance.This provides the best performance and also prevents overloading house wiring circuits which could cause a fire hazard from overheated wires.Never unplug your ice maker by pulling on the power cord.Always grip the plug firmly and pull straight out from the outlet.Repair or replace immediately all power cords that have become frayed or otherwise damaged.Do not use a cord that shows cracks or abrasion damage along its length or at either end.When moving the ice maker,be careful not to damage the power cord.

EXTENSION CORD

Because of potential safety hazards under certain conditions,it is strongly recommended that you do not use an extension cord with this ice maker.

TECHNICAL INFORMATION

MODEL: BN88

ELECTRICAL POWER: 115VAC~60HZ

POWER CONSUMPTION: 2.5kW.h/12h

ICE-MAKING/-HARVEST RATED CURRENT: 250W 2.5A

REFRIGERANT: R290

HIGH/LOW SIDE PRESSURE: 330/120PSIG

WIDTH X DEPTH X HEIGHT: 14.95" X 23.23" X 34.25"

MAXIMUM ICE STORAGE: 26.5 LBS

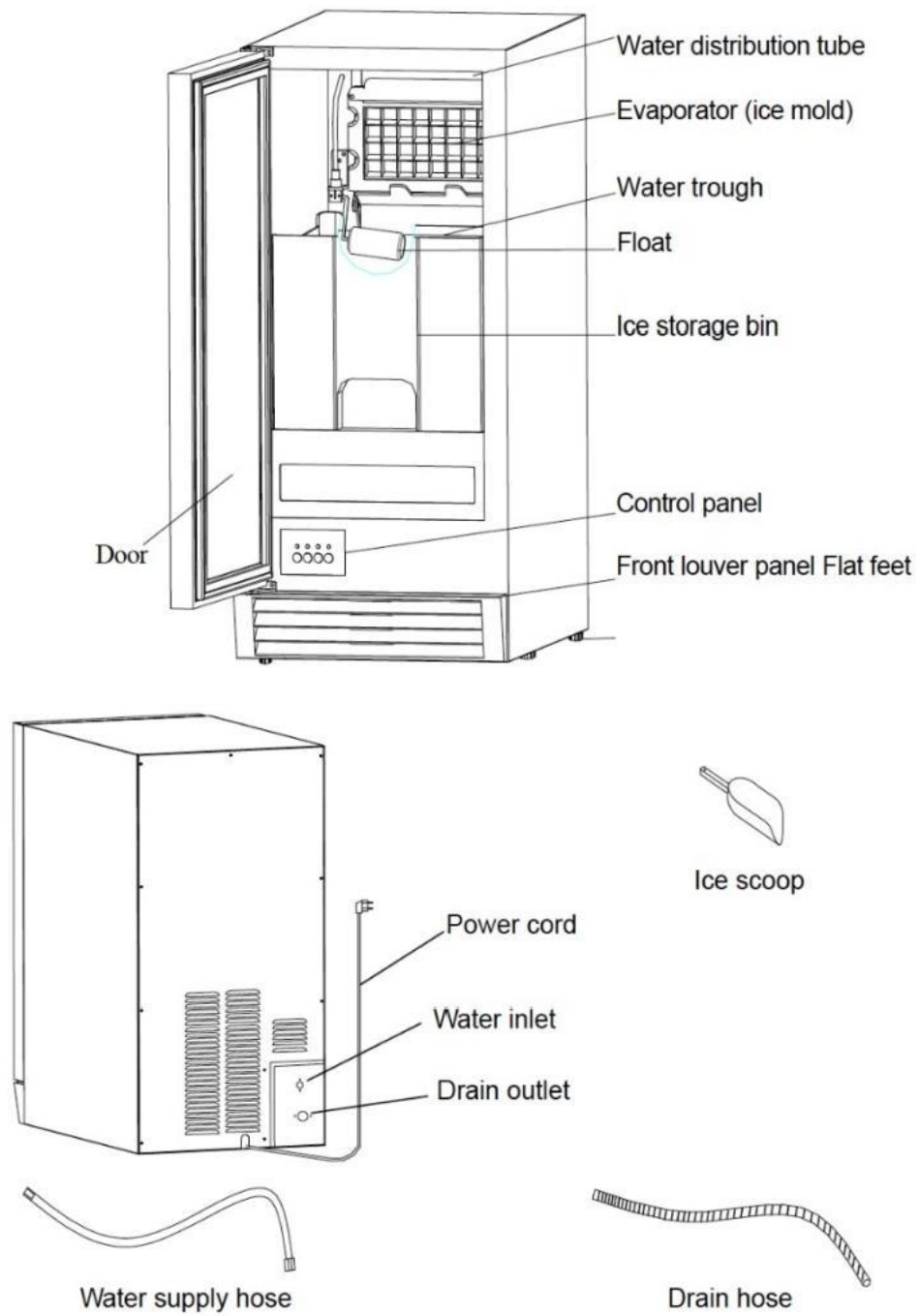
ICE-MAKING CAPACITY: 75 lbs per 24 hours

ICE SHAPE: Cube

ICE CUBE DIMENSIONS: 7/8" X 7/8" X 7/8"

The technical data and performance index listed above should be used for reference only. They are subject to change. The actual quantity of ice produced per day can vary with ambient temperature and water conditions.

PRODUCT DIAGRAM



ICE MAKER INSTALLATION



Excessive Weight Hazard

Use two or more people to move and install ice maker. Failure to do so can result in back or other injuries

Remove packaging materials.

IMPORTANT: Do not remove any permanent instruction labels or the data label on your ice maker. Remove tape and glue from your ice maker before using.

- To remove any remaining tape or glue, rub the area briskly with your thumb. Tape or glue residue can also be easily removed by rubbing a small amount of liquid dish soap over the adhesive with your fingers. Wipe with warm water and dry.
- Do not use sharp instruments, rubbing alcohol, flammable fluids, or abrasive cleaners to remove tape or glue. These products can damage the surface of your ice maker.

CLEANING BEFORE USE

After you remove all of the packaging materials, clean the inside of your ice maker before using it. See the "Interior cleaning" in the Cleaning and Maintenance section.

LOCATION REQUIREMENTS

Product Description	15 Inch Built-in Ice Maker		
Model No.	BN88		
Unit Dimensions (inches)	Width	Height	Depth
	14.95"	34.25"	23.23"

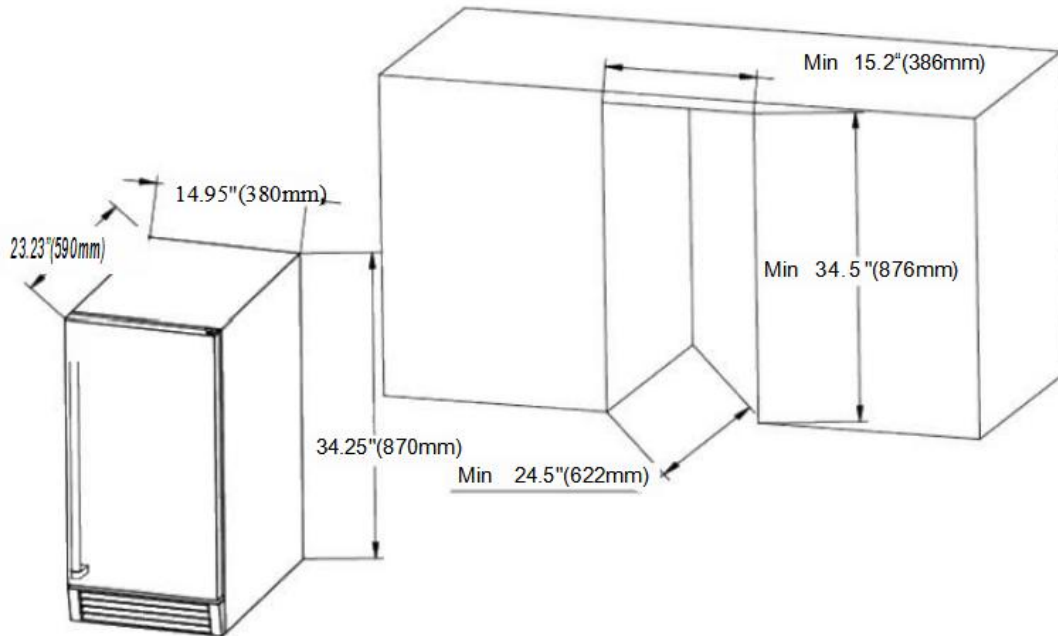
Install the Ice Maker

This product has been designed for built-in or freestanding

Built-in installation Cutout Dimensions

Dimensions of the recess

Width of housing	15.2"	386mm
Height of housing	34.5"	876mm
Depth of housing	24.5"	622mm



LOCATION REQUIREMENTS

- This ice maker should be properly installed by qualified personnel.
- To ensure proper ventilation for your ice maker, the front of the unit must be completely unobstructed.
- Choose a well ventilated area with temperatures above 45°F(7°C) and below 110°F[43°C].
- The unit should not be located next to ovens, grills or other high heat sources.
- Installation of the ice maker requires a cold water supply inlet of 1/2-in. [6.35mm] soft copper tubing with a shut-off valve.
- The ice maker requires a continuous water supply with a minimum pressure of 15 psig and a static pressure not to exceed 80 psig. The temperature of the water feeding into the ice maker should be between 41°F(5°C) and 90°F[32°C] for proper operation.



Normal operating ambient temperature should be between 45°F[7°C] to 110°F(43°C). Normal operating water temperature should be between 41°F(5°C) and 90°F[32°C]. Operation of the ice maker for extended periods outside of these normal temperature ranges may affect production capacity.

- It is strongly recommended that a water filter be used. A filter, if it is of the proper type, can remove taste and odors as well as particles. Some water is very hard, and softened water may result in white, mushy cubes that stick together. Deionized water is not recommended.
- The ice maker must be installed with electrical and water connections in accordance with all state and local codes.
- The unit should be located on a firm and level surface. It is important for the ice maker to be leveled in order to work properly. If needed, you can adjust the height of the ice maker by revolving the caster. See the Leveling the Ice Maker section.
- A standard electrical supply (115VAC only, 60Hz, 15A), properly grounded in accordance with the National Electrical Code and local codes and ordinances, is required.

IMPORTANT: Do not kink or pinch the power supply cord between the ice maker and wall or cabinet.

LOCATION REQUIREMENTS

ELECTRICAL REQUIREMENTS



Electrical Shock Hazard

- Plug into a grounded 3-prong outlet.
- Never remove the ground prong from the plug.
- Never use an adapter.
- Never use an extension cord.

Failure to follow these instructions can result in fire, electrical shock or death.



Before you move your ice maker into its final location, it is important to make sure you have the proper electrical connection:

A standard electrical supply (115V AC only, 60Hz, 15A), properly grounded in accordance with the National Electrical Code and local codes and ordinances, is required. The ice maker should always be plugged into its own individual electrical outlet.

It is recommended that a separate circuit, serving only your ice maker, be provided. Use a receptacle that cannot be turned off by a switch or pull chain. The fuse [or circuit breaker] size should be 15 amperes.

Recommended grounding method

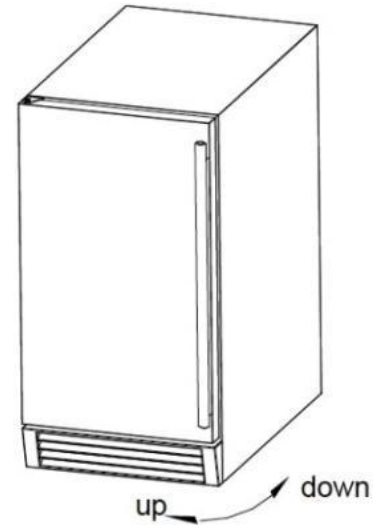
For your personal safety, this appliance must be grounded. This appliance is equipped with a power supply cord having a 3-prong grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating 3-pronged and grounding-type wall receptacle, grounded in accordance with the National Electrical Code and local codes and ordinances. If a mating wall receptacle is not available, it is the personal responsibility of the customer to have a properly grounded, 3-prong wall receptacle installed by a qualified electrician.

LOCATION REQUIREMENTS

LEVELING THE ICE MAKER

Proper leveling of the ice maker is essential for optimal performance. If not level, water will not flow correctly through the evaporator (ice mold)—this can reduce ice production and cause excessive noise. To adjust the unit's height, rotate the plastic sleeves around each of the four rolling casters on the bottom of the machine. If the surface is unlevel, keep adjusting the casters until the ice maker is level (multiple adjustments may be needed). We recommend using a carpenter's level to verify proper leveling.

Place a carpenter's level on top of the unit to see if the ice maker is level from front to back and side to side.



IMPORTANT: Before you begin, unplug the ice maker or disconnect power.

LOCATION REQUIREMENTS

Water Supply

The water supply should be ready at the point of installation. The water supply pressure should be a minimum of 15 psig with a static pressure not more than 80 psig. [A wall outlet directly behind the ice machine will make installation easier.]

IMPORTANT:

1. All installations must be in accordance with local plumbing code requirements. Professional installation is recommended.
2. Make certain the hoses are not pinched or kinked or damaged during installation.
3. Check for leaks after connection.

Tools required:

1/2-in. open-end wrench, Phillips screwdriver

Connecting the water line:

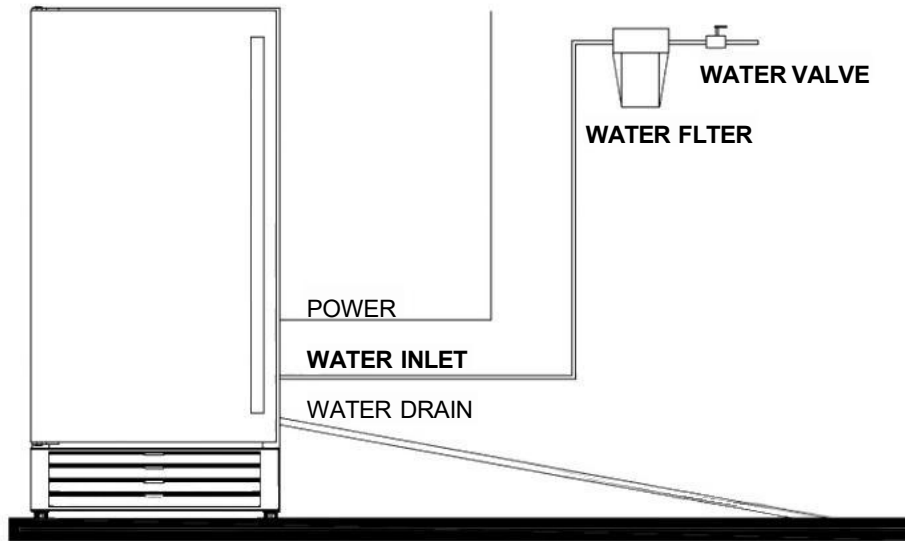
1. Turn off main water supply. Turn on the nearest faucet long enough to clear line of water.
2. Find a 1/2-in. to 3/4-in. vertical cold water pipe near the installation location. The distance should be less than 6 feet. The water supply hose provided with the ice maker is about 6 feet long.
3. A shut-off valve must be installed to the main water supply. If the water pipe has a plain piece of copper tubing, attach a 1/2-in. O.D. compression union to the tubing and remove the nut.
4. Connect the nut of the water supply hose to the tap, and connect the other end with the water inlet. Tighten firmly by hand, then one-half turn with wrench.
5. Turn on main water supply and tap. Check for water supply connection leaks. Tighten every connection (including connection at the water inlet).

IMPORTANT: When you connect the water supply hose and the drain hose, pay attention to the indications of "Water inlet" and "Drain outlet" on the machine

LOCATION REQUIREMENTS

Drain

You must connect the drain line before using the ice maker. Follow the steps outlined below. There are two types of ice machine modes, one that drains by gravity and one that has an internal drain pump. This unit drains by gravity.



Note: The water valve and water filter are not included with the product

Connecting the drain line:

NOTE: If there is a drain line near the ice maker, the best choice is to drain water to the drain line through the drain water hose provided with ice maker.

1. Locate the floor drain near the ice maker. The distance should be less than 5 feet since the length of the long drain water hose provided with the ice maker is about 5 feet.
2. Find the drain outlet on the back of ice maker. Connect the drain outlet to the water draining hose, and insert the other end of the hose into the drain line.
3. All horizontal runs of drain lines must have a fall of $\frac{1}{4}$ " per foot. An air gap will likely be required between the ice maker drain tube and the drain/waste receptacle. A standpipe with a trap below it would be acceptable for the drain/waste receptacle. A floor drain is also acceptable. If this is not possible, the use of a condensate pump is needed.
4. Pour 1 gallon of water into the ice storage bin to check for leaks in the drainage system. Tighten any connections that leak.

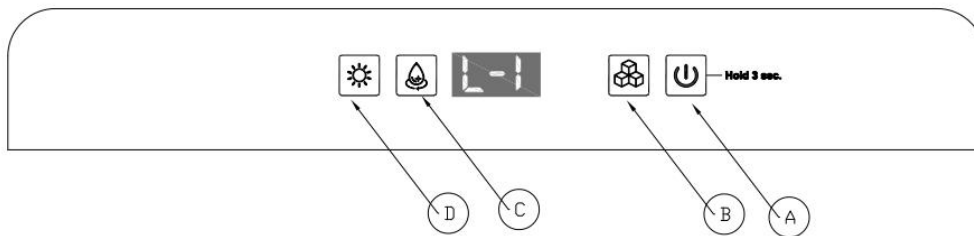
Note: The condensate pump is not included with the product, as this unit uses a gravity drainage system.

Operation Instructions

Temperature Setting

The refrigerator temperature is set via the control panel.

(1) Functions of Each Button on the Control Panel



A. Power On/Off Button:

- When powered on, the LED digital display shows "———" and enters standby mode. Press and hold the Power On/Off Button for 1 second; the digital display will show "L-3" and the ice-making process starts.
- When the unit is operating normally, press and hold the Power On/Off Button. The display will count down for 3 seconds, the ice maker will stop running, and the LED digital display will show "———" .

B. Ice Cube Thickness Setting Button:

- Press the button to switch ice thickness levels. The default display is "L-3" for maximum thickness, "L-2" for medium thickness, and "L-1" for thin ice.
- Thicker ice requires more time: "L-3" has a maximum ice-making time of 20 minutes, "L-2" 15 minutes, and "L-1" 10 minutes.

C. Cleaning Button:

1. Short Press (Cleaning Function): When the digital display shows " [] [] [] " scrolling, the cleaning cycle initiates. The internal evaporator water pump runs in circulation for 20 minutes, followed by a 2-minute activation of the electromagnetic water valve to automatically drain wastewater.
2. Long Press (5 seconds, Forced Ice Ejection): Use this function when the ice maker malfunctions (e.g., ice is too thick to eject normally) to manually force ice ejection.

D. Light On/Off Button:

1. Short Press: Turns the LED light on or off.
2. Long Press (3 seconds): Enters the sewage discharge mode, and the compressor shuts down.

(2) Power-On Operation of the Ice Maker

- After power-on, the LED digital display shows "———". Press and hold the Power On/Off Button for 1 second; the display will show "L-3" and the compressor starts working.
- To prevent the water pump from running dry, the pump will not immediately pump water to the evaporator. Instead, the water inlet valve opens at first. When the water in the internal water storage tank reaches the water level switch, the water pump starts pumping water to the evaporator, and ice-making begins.
- When the digital display shows "□□□" flashing, the ice storage bin is full. After ice is removed, the digital display will show the current ice thickness level (e.g., "L-3").

Sterilization:

The sterilization function utilizes the photocatalytic antibacterial and odor-removing particle technology integrated in the lighting fixture, ensuring the required sterile environment for storage. Keep the light on for sterilization. Press the D (Light On/Off Button) to turn off the light.

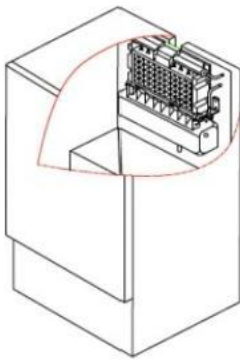
OPERATION

Final Check List Before Operation

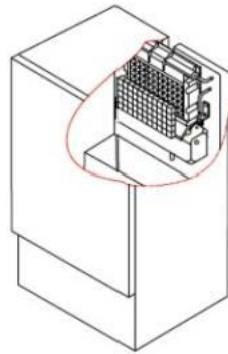
1. Have all packing materials and tape been removed from the interior and exterior of the ice maker?
2. Did you clean the ice storage bin?
3. Have the installation instructions been followed, including connecting the machine to water and electricity?
4. Has the machine been leveled?
5. Is the ice maker in a site where the ambient temperature is between 45°F(7°C) and 110°F(43°C) and the water temperature between 41°F(5°C) and 90°F(32°C) all year-round?
6. Has the water supply pressure been checked to ensure a minimum of 15 psig with a static pressure not to exceed 80 psig?
7. Is there a clearance of at least 4" (102mm) at the rear, and 1" (25 mm) at top and sides for proper air circulation?
8. Has the power supply voltage been checked or tested against the nameplate rating? And has proper grounding been installed in the ice maker?
9. Is the ice maker plugged in?
10. Have you turned on the main water supply and tap?
11. Have you checked for leaks at all water supply connections?

OPERATING METHOD

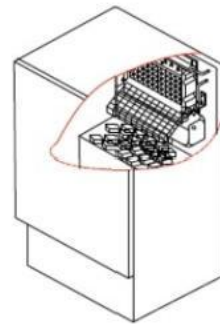
1. Turn on the water tap, let the water trough fill, then press the ON/OFF button on the front panel. The ice maker will start working automatically.



Ice making stage



Ice harvest stage



Bin full stage

2. After 3 seconds, the machine will automatically go to the ice-making stage, the sound of water flowing will be heard

3. When the batch of ice has been fully formed, ice will automatically be harvested to the ice storage bin.

OPERATION

4. When the ice storage bin is full, the sheet of cubes will not fall completely and will hold the bin-full probe open. The machine stops making ice automatically.

5. As long as the ice storage bin isn't full, the unit will resume the ice - making process. Subsequently, the bin - full probe will swing back to its operational position.

6. If the ice cubes in the ice storage bin aren't removed in a timely manner and melt within the bin, the melted ice water will flow back to the reservoir. It will then be drawn to the evaporator for another ice - making cycle. Moreover, once the ice cubes in the ice storage bin start to melt, the bin will change from a full state to an unfilled state. At this point, the bin - full probe will swing back to its working position, and the unit will start making ice again.

7. Bin light (If present): The bin light will be controlled by magnetic reed switch that has been installed in the inner of the door. It can be Turn On or Off automatically with the door opening or closing.

IMPORTANT:

- Although the unit has been tested and cleaned at the factory, due to long term transit and storage, the first batch of cubes must be discarded.
- Never turn the water supply tap off when the ice maker is working.
- Never touch evaporator when unit is running!
- Except to take ice from the unit, keep the door closed to reduce melting and insure proper ice formation.

How the machine makes ice

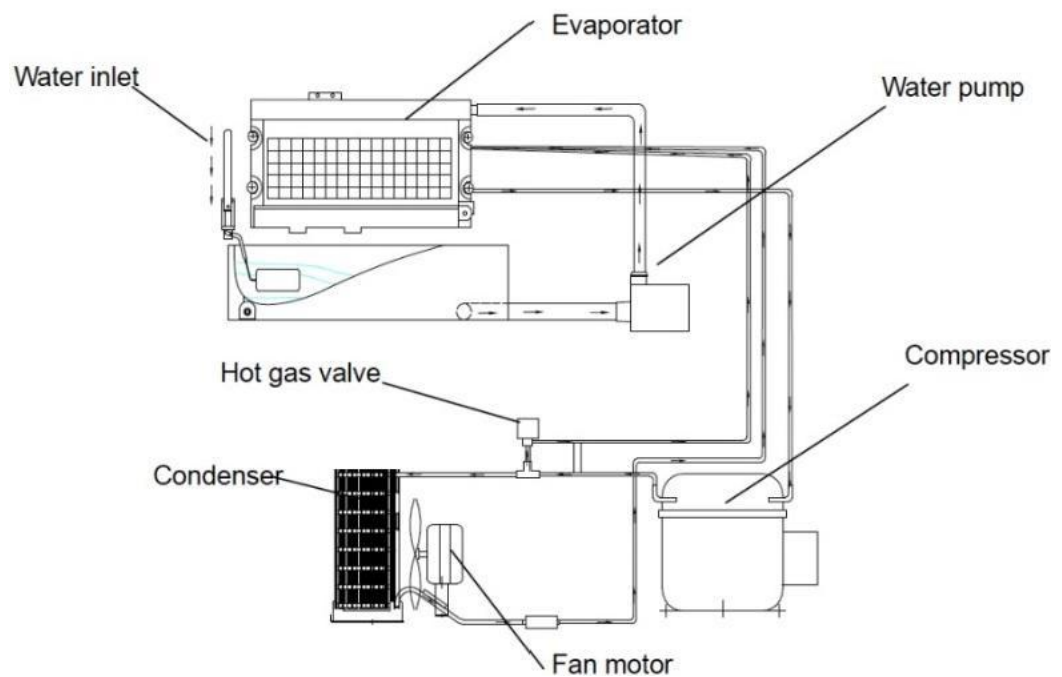
Set the ON/OFF button to the ON position. The machine will automatically go to the ice making stage. There are two distinct cycles: ice freeze and harvest.

The freeze cycle happens when water flows to the evaporator surface. The harvest cycle is when the ice is released and water enters the machine. A complete cycle takes about 20 minutes, but it depends on temperature and operating conditions.

OPERATION

How the machine uses the water

The ice maker begins with a fixed charge of water that is contained in the water trough. As the water flows to the freezing evaporator surface, the portion of water that does not contain mineral impurities freezes and sticks to the ice cube molds. The water containing impurities falls back into the water trough. During the ice making process, fresh water enters into the water trough continuously as the water in the trough freezes continuously in the evaporator.



OPERATION

PREPARING THE ICE MAKER FOR LONG STORAGE

If the ice maker will not be used for a long time, or is to be moved to another place, it will be necessary to drain the system of water.

1. Shut off the water supply at the main water source.
2. Disconnect the water supply line from the water inlet.
3. Shut off the electric supply at the main electrical power source.
4. Take out the ice storage bin to remove any remaining ice and water. Dry the bin.
5. Pull off the drainage tube of the water trough to drain off all water.
6. Leave the door open to allow for circulation and to prevent mold and mildew.
7. Leave water supply line and power cord disconnected until ready to reuse.

IMPORTANT:

- Do not touch the power plug when your hands are wet.
- Never unplug the unit by pulling on the cord. Grasp the plug and pull out firmly.

CLEANING AND MAINTENANCE



If the ice maker is left unused for a long time, before the next use it must be thoroughly cleaned. Follow carefully any instructions provided for cleaning or use of sanitizing solutions. Do not leave any solution inside the ice maker after cleaning.

Periodic cleaning and proper maintenance will ensure efficiency, top performance, and long life. The maintenance intervals listed are based on normal conditions. You may want to shorten the intervals if you have pets, or there are other special considerations.

WHAT SHOULDN'T BE DONE

Never keep anything in the ice storage bin that is not ice; objects like wine and beer bottles are not only unsanitary, but the labels may slip off and plug up the drain.

WHAT PARTS SHOULD BE KEPT CLEAN

There are 5 things to keep clean:

1. The exterior
2. The interior
3. The condenser
4. Water distribution tube
5. The ice-making system



Before proceeding with cleaning and maintenance operations, make sure the power line of the unit is disconnected and the water line is shut off.

EXTERIOR CLEANING

The door and cabinet may be cleaned with a mild detergent and warm water solution such as 1 oz. of dish washing liquid mixed with 2 gallons of warm water. Do not use solvent-based or abrasive cleaners. Use a soft sponge and rinse with clean water. Wipe with a soft clean towel to prevent water spotting. Stainless steel can discolor when exposed to chlorine gas and moisture. Clean stainless steel with a mild detergent and warm water solution and a damp cloth. Never use an abrasive cleaning agent.

CLEANING AND MAINTENANCE

Interior Cleaning

The ice storage bin should be sanitized occasionally. Clean the water trough before the ice maker is used first time and reused after stopping for an extended period of time. It is usually convenient to sanitize the trough after the ice making system has been cleaned, and the ice storage bin is empty.

1. Disconnect the power to the unit.
2. Open the door and take out the removable ice storage bin. With a clean cloth, wipe down the interior of unit and ice bin with a sanitizing solution made of 1 ounce of household bleach or chlorine and 2 gallons of hot (95°F - 115°F) water.
3. When powered on, press the cleaning button . When the digital screen shows “[] [] []” scrolling, the cleaning process starts: the evaporator water pump inside the cabinet works in circulation for 20 minutes, after which the electromagnetic water valve opens for 2 minutes to automatically drain the wastewater.
4. Put the ice storage bin inside the unit.
5. Reconnect power to the unit.

The ice scoop should be washed regularly. Wash it just like any other food container.

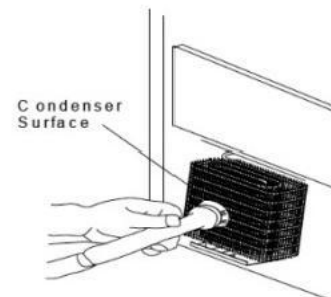


DO NOT use solvent-based cleaning agents or abrasives on the interior. These cleaners may transmit taste to the ice cubes and damage or discolor the interior.

Condenser Cleaning

A dirty or clogged condenser prevents proper airflow, reduces ice making capacity, and causes higher than recommended operating temperatures that may lead to component failure. Have the condenser cleaned at least once every six months.

1. Unplug the ice maker or disconnect power.
2. Gently pull off the lower front louver.
3. Remove dirt and lint from the condenser and the unit compartment with the brush attachment of a vacuum cleaner.
4. Reassemble the lower front louver.
5. Plug in the ice maker or reconnect power.



CLEANING AND MAINTENANCE

Water distribution tube cleaning

When you find the ice cubes are incompletely formed or the output is low, the water distribution tube may be blocked. Turn off the power button, gently take out the water distribution tube, locate the holes in the distribution tube and use a pointed object such as a toothpick to dredge the holes. Then put the water distribution tube back to its original position. If the tube is badly blocked, clean it as follows:

1. Shut off the water supply
2. Disconnect the water hose from the distribution tube.
3. Gently take out the distribution tube.
4. With a brush, clean the tube with a dilute solution of warm water and a mild detergent such as dishwashing liquid. After removing the dirt and lint from the surface, rinse the tube with clean water.
5. Replace the distribution tube.
6. Reconnect the water supply.

Ice-making system cleaning

Minerals that are removed from the water during the freezing cycle will eventually form a hard, scaly deposit in the water system. Cleaning the system regularly helps remove the mineral scale buildup. How often to clean the system depends upon how hard your water is or how effective your filtration may be. With hard water of 15 to 20 grains/gal. (4 to 5 grains/liter), you may need to clean the system as often as once every 6 months.

1. Make sure that all the ice is off the evaporator. If ice is being formed, wait until the cycle is completed, then press the machine's ON/OFF switch on the control panel.
2. Remove all ice from the storage bin.
3. Keep the ice maker connected to the water supply. Pour 8 oz. of Nickel-Safe Ice Maker Cleaner Solution into the water trough. Then press the ON/OFF switch and the CLEAN button, initiating the wash cycle. The machine will run in the Automatic Clean Mode.
4. Allow 30 minutes for proper cleaning. After cleaning, press the ON/OFF switch again. Use a drain hose on the front of the water trough to drain off the waste water to a convenient container.

NOTE: Don't drain off the waste water to the inside of the cabinet

5. Repeat steps 3 and 4 (without Ice Maker Cleaning Solution) three times to rinse the ice making system thoroughly

• **NOTE:** Ice Maker Cleaner Solution in the water bin during the rinse is not needed.

CLEANING AND MAINTENANCE



The ice machine cleaner contains acids.
DO NOT use or mix with any other solvent-based cleaner products. Use rubber gloves to protect hands. Carefully read the material safety instructions on the container of the ice machine cleaner. Discard the first batch of ice produced after cleaning.

6. Prepare a sanitizing solution made of 1 ounce of household bleach and 2 gallons of hot water [95°F to 115°F]. Wipe the entire bin inside and outside, covering the entire surface of the walls.
7. Fill a spray bottle with the sanitizing solution and spray all corners and edges, making sure to cover all surfaces with the solution.
8. Allow the solution to be in contact for at least 3 minutes, then dry.
9. Repeat step 5 to rinse the ice making system one more time.
10. Press the ON/OFF button again. The machine will return to the regular ice making mode. Discard the first batch of ice.

TROUBLESHOOTING

Before Calling for Service

If the unit appears to be malfunctioning, read through the OPERATION section of this manual first. If the problem persists, check the Troubleshooting Guide on the following pages. Some of the problems mentioned in the Guide can be solved easily without a service call.

TROUBLESHOOTING GUIDE

Problem	Possible Cause	Probable Correction
The machine doesn't operate.	The ice maker is unplugged	Plug the ice maker in.
	The fuse is blown.	Replace fuse. If it happens again, call for service to check for a short circuit in the unit.
	The ice maker power button is set at OFF.	Switch the ice maker power button to ON
	The ice storage bin is full of ice.	Remove some ice cubes. Be sure the ice-full probe is free of ice.
The water doesn't feed in after the machine starts.	The water supply tap is turned off.	Turn on the water supply tap.
	The water supply pipe is not properly connected.	Reconnect the water supply pipe.
Machine Makes ice, but bin does not fill up with ice.	The condenser may be dirty	Clean the condenser.
	The air flow to the ice maker may be obstructed.	Check the installation.
	The ambient temperature and water temperature are high, or unit is near some heat source.	Check the installation.
Water is leaking out of the unit.	Some water falls to the floor when you open the door to remove ice from storage bin.	Normal condensation on the door or some water together with ice. Take care when you take out ice.
	Water supply connection is leaking.	Tighten fitting. See Connecting the water line.
	Drain pipe higher than drain outlet.	Lower drain pipe.

TROUBLESHOOTING

Cubes are partially formed or are white on the bottom.	Not enough water in the water trough.	Check if the water supply pressure is below 15 psig.
		Check water supply or filter may be restricted.
		Check for a water leak at the water trough.
Noise during operation	The feet are not leveled and locked.	Level and lock the feet. See Leveling the Ice Maker.
	Certain sounds are normal	See Normal Sounds.
The ice maker stops suddenly while making ice.	The electricity is off.	Reconnect the power supply line.
	The environment temperature is out of the stated range.	Cut off the electricity and leave the ice maker disconnected until the temperature returns to within the stated range.
	The ice storage bin is full of ice.	Remove some ice cubes; make sure the ice-full probe is free of ice.
The body of the ice maker is electrified	The ground line isn't in the socket.	Use a socket meeting the grounding requirements.
Scaling occurs frequently inside the machine.	The hardness level of the water is too high.	Install a water-softening device in front of the water inlet.
machine.	The drainhole below the ice storage bin is blocked.	Remove the ice storage bin and clean the drainhole.
Water leaks from the ice storage bin	The drain hose is kinked or improperly placed higher than the floor of the ice storage bin.	Check the drain hose to be sure water can be drained out unhindered.
Buzzer alarm	Problem in pumping out water	Check for correct operation of pumping out water pump, water lever switch and drain tube

