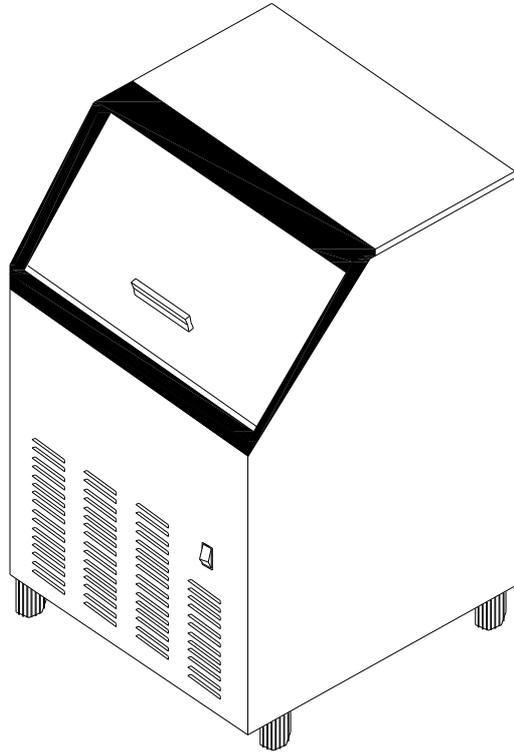


# Automatic Ice Maker



## User's Manual

Model: 69K-134  
69K-135

**The unit must be standing upright  
24 hours prior to being plugged in**

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**We reserve the right to make changes in specifications and design without prior notice.**

## IMPORTANT SAFETY INFORMATION

### ■ **HOW TO CONNECT ELECTRICITY**

*For personal safety, this appliance must be properly grounded.*

- A standard electrical supply, properly grounded in accordance with the National Electrical Code and Local codes and ordinances is required.
- Please make sure that the unit is properly **grounded** by a qualified technician.
- Have the wall outlet and circuit checked by a qualified electrician to make sure the outlet is properly **grounded**.
- Do not kink or pinch the power supply cord.
- It is recommended that a separate circuit, serving only your icemaker, 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.
- Unplug the icemaker or disconnect power before cleaning or servicing. Failure to do so can result in electrical shock or death.
- Never unplug your icemaker by pulling on the power cord. Always grip 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 icemaker away from the wall, be careful not to roll over damage the power cord.

### ■ **PROPER DISPOSAL OF THE ICEMAKER**

- Choose a well-ventilation area with temperatures above 50°F and below 110°F. This unit must be installed in an area protected from the elements, such as wind, rain, water spray or drips.
- To ensure proper ventilation for your icemaker, the front of the unit must be completely unobstructed.
- The machine should not be located next to ovens, grills or other sources of high heat.
- It is important for the icemaker to be leveled in order to work properly. You may need to make several adjustments to level it.
- Never allow children to operate, play with or crawl inside the icemaker.
- Never clean icemaker parts with flammable fluids. These fumes can create a fire hazard or explosion.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance. The fumes can create a fire hazard or explosion.
- Do not put anything inside the icemaker cabinet and ice storage bin.
- Turn on the water supply tap before switch on the icemaker. Never turn the water supply tap off when the icemaker is working.
- **Never touch the evaporator surface by hand when the icemaker is working. Otherwise it may hurt your hands.**

·This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by person responsible for their safety.

## ▪ ***SAFETY ALERT SYMBOL***

**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 kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" "WARNING" or "CAUTION", these words mean:



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



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



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

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

## TECHNICAL INFORMATION

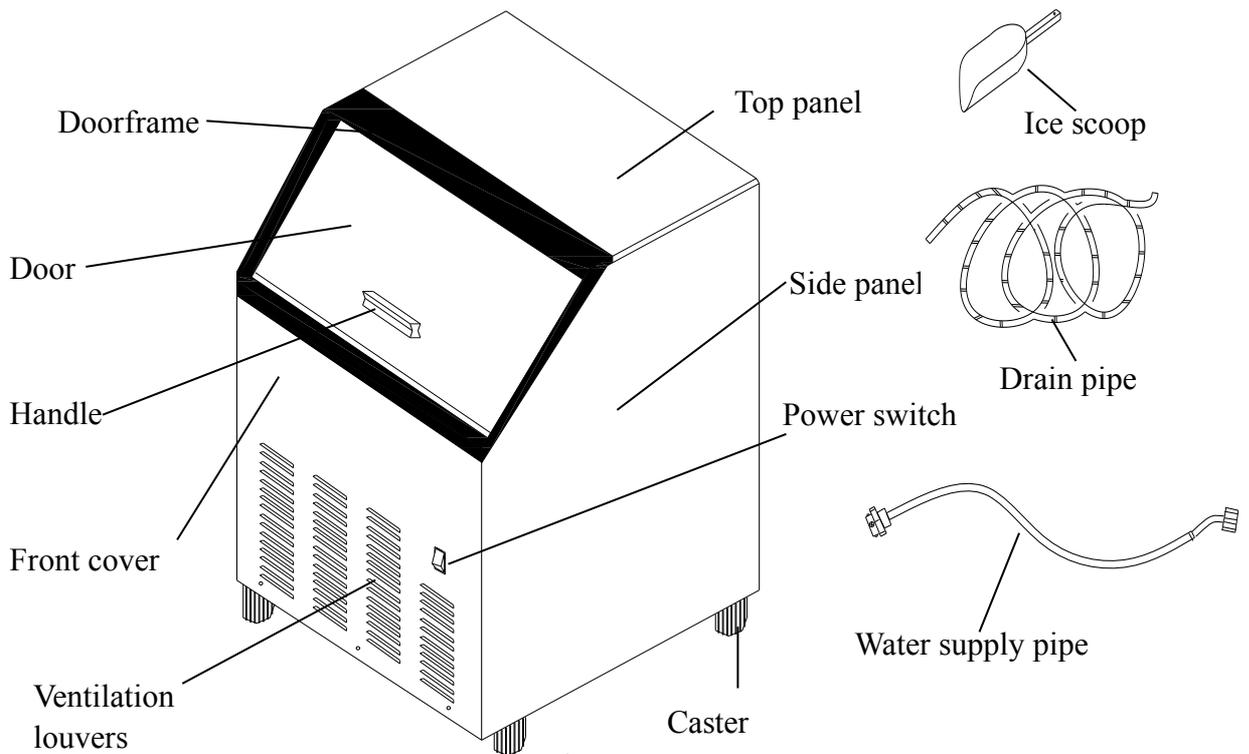
|                           |                       |                       |
|---------------------------|-----------------------|-----------------------|
| Model                     | 69K-134               | 69K-135               |
| Rated power               | 115V AC~60Hz          | 115V AC~60Hz          |
| Ice-making rated current  | 3.8A                  | 7.5A                  |
| Ice-harvest rated current | 4.7A                  | 11.8A                 |
| Refrigerant               | R134a, 4.66oz.        | R134a, 8.47oz.        |
| High/Low side pressure    | 320psig/120psig       | 320psig/120psig       |
| Width x depth x height    | 16.5" x 21.3" x 32.5" | 22.1" x 21.3" x 32.5" |
| Ice storage capacity      | 24 lbs maximum        | 35 lbs maximum        |
| Ice-making capacity       | 56 lbs/day*           | 90 lbs/day*           |
| Unit weight               | 81.6 lbs              | 88 lbs                |
| Type of ice               | Cube                  | Cube                  |
| Ice cube dimensions       | 1/2" x 7/8" x 7/8"    | 1/2" 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 room and water conditions.

The serial number is located on the rating label. Please retain the unit's serial number and have available for parts or service.

## COMPONENT ALLOCATION



# ICEMAKER INSTALLATION

## *Unpacking*

 **WARNING**

**Excessive Weight Hazard**

Use two or more people to move and install icemaker.  
Failure to do so can result in back or other injury.

### **Remove packaging materials**

**IMPORTANT: Do not remove any permanent instruction labels or the data label on your icemaker.**

### **Remove tape and glue from your icemaker 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 icemaker.

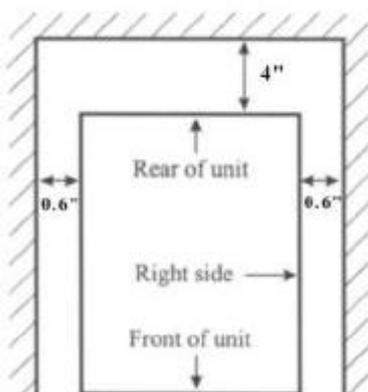
### **Cleaning before use**

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

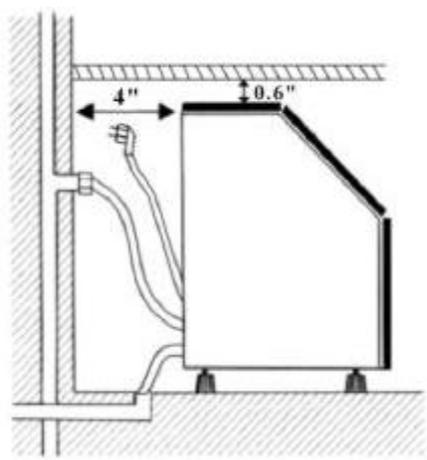
## **Location Requirements**

INSTALLATION CLEARANCES:

TOP VIEW



SIDE VIEW



- To ensure proper ventilation for your icemaker, the front of the unit must be completely unobstructed. Allow more than 4” clearance at rear, 0.6” at top and sides for proper air circulation. The installation should allow the ice maker to be pulled forward for servicing if necessary.
- Choose a well ventilated area with temperatures above 50°F and below 100°F. This unit **MUST** be installed in an area protected from the elements, such as wind, rain, water spray or drips.
- Icemaker should not be located next to ovens, grills or other high heat resources.
- Installation of the ice maker requires a cold water supply inlet of 1/4 in. soft copper tubing with a shut-off valve and a gravity-drain system.
- The ice maker requires a continuous water supply with a minimum pressure of 15psig and a static pressure not to exceed 80psig. The temperature of the water feeding into the ice maker should be between 41°F and 90°F for proper operation.

## **WARNING**

Normal operating ambient temperature should be between 50°F to 100°F.  
 Normal operating water temperature should be between 41°F and 90°F.  
 Operation of the icemaker for extended periods out side of these normal temperature ranges may affect production capacity.

- In general, it is always a good idea to filter the water. A water filter, if it is of the proper type, can remove taste and odors as well as particles. Where water is very hard, softened water may result in white, mushy cubes that stick together. Deionized water is not recommend.
- The icemaker must be installed with all electrical, water and drain 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 icemaker to be leveled in order to work properly.
- The plug must be accessible after installation.
- A standard electrical supply (115VAC, 60Hz, 15A), properly grounded in accordance with the National Electrical Code and local codes and ordinances, required.
- **IMPORTANT:** Do not kink or pinch the power supply cord between the icemaker and wall.

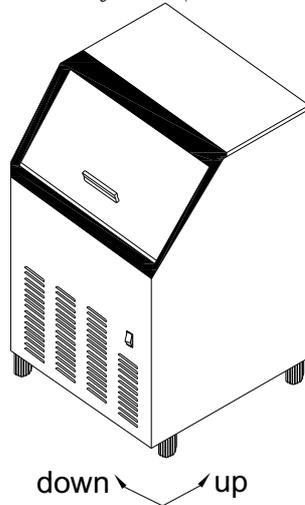
### ***Leveling the Ice Maker***

It is important for the ice maker to be leveled in order to work properly. It can be raised or lowered by rotating the plastic sheaths around each of the four rolling casters on the bottom of the machine. If you find that the surface is not level, rotate the casters until the ice maker becomes level. You may need to make several adjustments to level it. We

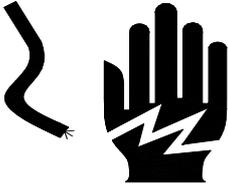
recommend using a carpenter's level to check the machine.

You will find that the casters make it easy for one person to move the machine. This is useful for cleaning and sanitizing the surface on which the ice maker is installed because it allows you to move the unit and have easy access to the surface to be cleaned.

*IMPORTANT: Once you are ready to install it in a cabinet or directly on the floor, you must adjust the feet to level the ice maker and lock the rollers. If the floor is level, just revolve the two front feet to touch the floor. (See illustration.)*



### ***Electrical Requirements***

|                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>DANGER</b>                                             |
|                                                                                                                                             |
| <p><b>Electrical shock Hazard</b></p> <p>Never remove the ground line.<br/>Never use an adapter.<br/>Never use an extension cord.<br/>Failure to follow these instructions can result in death, fire, or electrical shock.</p> |

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

A standard electrical supply (115VAC, 60Hz), properly grounded in accordance with the National Electrical Code and local codes and ordinances, required.

It is recommended that a separate circuit, serving only your icemaker, be provided. Use a receptacle which cannot be turned off by a switch or pull chain.

## ***Water Supply and Drain Connection***

The water supply and drain should be roughed in and ready at the point of installation. 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.*
2. *Make certain that the pipes are not pinched or kinked or damaged during installation.*
3. *Check for leaks after connection.*

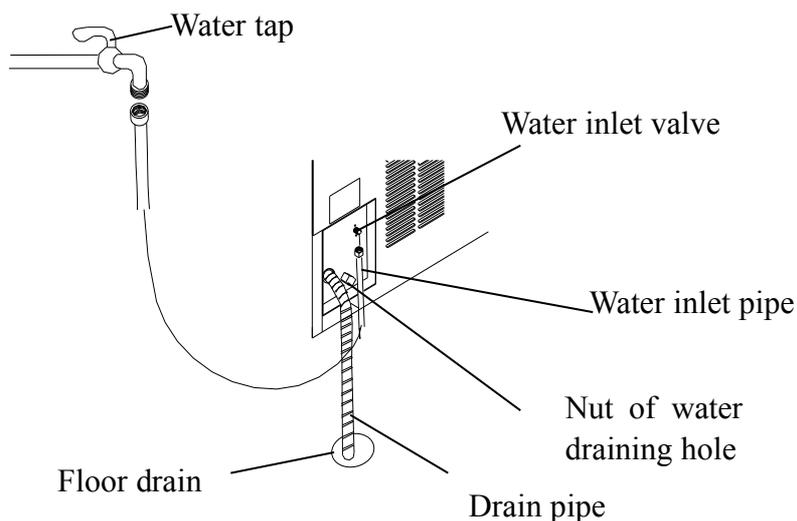
### **Tools required:**

Open-end wrenches.

Phillips screwdriver

### **Connecting the water line:**

1. 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 pipe provided with the icemaker is about 6 feet.
2. A shut-off valve must be installed to the main water supply.
3. Connect the water supply pipe to the tap, the other end connect with the water inlet valve tight. Tightly with hand.
4. Turn on main water supply and tap. Check for water supply connections leaks. Tighten any connections (including connections at the valve) or nuts that leak.



### **Connecting the drain line:**

A gravity drain system is used in this type icemaker, drain water to the drain line through the provided drain water pipe with icemaker.

1. Find the floor drain near the icemaker. The distance should be less than 5 feet as the length of the long drain water pipe provided with the icemaker is about 5 feet.
2. Find the drain outlet on the back of icemaker. Connect one end of the long drain pipe to the drain outlet of the machine, the other end to the floor drain.
3. All horizontal run of drain lines must have a fall of ¼" per foot. An air gap will likely be required between the icemaker drain tube and the drain/waste receptacle. A stand pipe with a tap below it would be acceptable for the drain/waste receptacle.
4. Pour 1 gallon of water into the ice storage bin to check leaks at all drain connections and at the nut of the drain water hole. Tighten any connections or nuts that leak.

*IMPORTANT: poor drainage will cause a high rate of ice melting in the ice storage bin.*

## ***Installation Types***

This ice maker has been designed to be enclosed (as under a cabinet). It can also be free-standing or built-in (sealed to the floor). In every case, there must be adequate air space around the unit for ventilation purposes (see diagrams on page 6).

### **Enclosed Installation:**

An enclosed installation will allow you to install the ice maker under a cabinet or in a kitchen cabinet provided the required clearance space around the ice maker is respected. You must follow the stated instructions for

- a. Electrical requirements
- b. Water supply
- c. Leveling the ice maker.

### **Free-standing Installation:**

The ice cube machine can be installed to be free-standing in any place you desire provided you have access to a water supply. This installation has the same requirements as an enclosed installation, plus you must also follow the stated instructions for

- a. Electrical requirements
- b. Water supply
- c. Leveling the ice maker.

### **Built-in Installation:**

If this method of installation is chosen, it will still be necessary to allow adequate ventilation space around the unit. The following additional items must be observed.

1. Place the ice maker in front of the installation location. Remove the feet and place the machine on the floor or on a platform depending on your installation requirements.
2. The water supply line must be plumbed before connecting to the ice maker.
3. Turn on the main water supply and tap. Check for water supply connection leaks. Tighten every connection (including connections at the water inlet).
4. If the electrical outlet for the ice maker is behind the cabinet, plug in the ice maker.
5. Push the ice maker into position.
6. Seal all around the cabinet to the floor with an approved caulking compound.

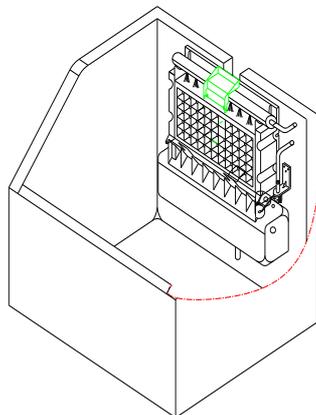
# OPERATION

## *Final Check List before Operation*

1. Have all packing materials and tape been removed from the interior and exterior of the icemaker?
2. Do you clean the ice storage bin?
3. Have the installation instructions been followed, including connecting the machine to water, drain and electricity?
4. Has the machine been leveled?
5. Is the ice maker in a site where the ambient temperature is within 50°F to 100°F and the water temperature within 41°F - 90°F all year around?
6. Has the water supply pressure been checked to ensure a minimum of 15psig and a static pressure not to exceed 80psig?
7. Is there a clearance of at least 4 in. at the rear, and 0.6 in. at the sides and top for proper air circulation?
8. Has the power supply voltage been checked or tested against the nameplate rating?  
And has a proper earth been installed in the icemaker?
9. Is the icemaker plug in?
10. Do you turn on the main water supply and the tap?
11. Do you check leaks to all water supply and drain pipe connections?

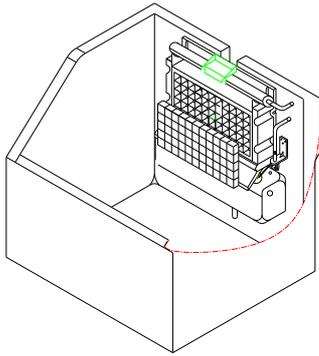
## *Operating Method*

1. Switch on the power switch on the right side panel. The light will be on. The icemaker will start working automatically and feeding water.
2. After the first feeding of the water, the machine will automatically go to the ice-making stage, and the sound of water spraying will be heard.

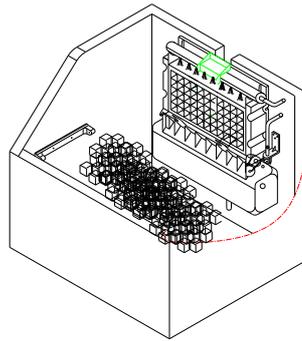


Ice making stage

3. Ice will automatically harvest to the ice storage bin.



Ice harvest stage



Ice full stage

4. When ice collected in the bin more quantity to cover the ice-full sensor. The icemaker will stop working. When you take away some ice make the sensor free, it will restart to make ice.

**IMPORTANT:**

*-Although the unit has been tested at factory, due to long-time transit and storage, the first batch of cubes must be discarded.*

*-Never turn the water supply tap off when the icemaker is working.*

***How the machine Makes Ice***

There are two distinct cycles: freeze and harvest.

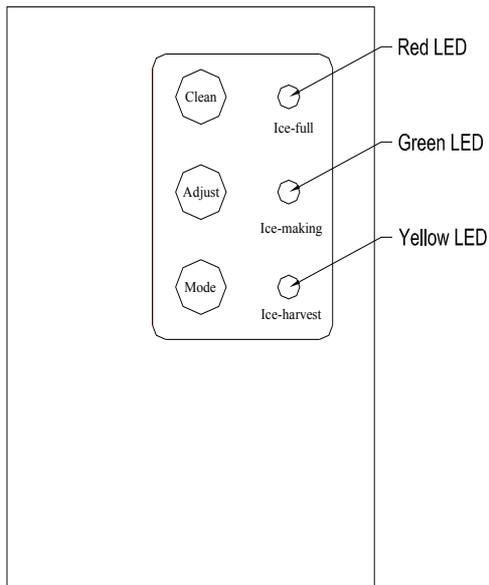
The freeze cycle happens when water is flow to the evaporator surface. The harvest cycle is when the ice is released and water enters the machine. A complete cycle takes about 20 minutes.

**Freeze:** During the freeze cycle the compressor is pumping refrigerant, the fan motor is blowing air, and the water pump is circulating water. When the evaporator surface gets setting temperature, the icemaker will stop the freeze cycle and begin the harvest.

**Harvest:** During the harvest cycle the compressor is still operating, but the water pump have stopped. The hot gas valve have been energized; The valve open and warm up the freezing surface, allowing the cubes to fall into the bin.

The freeze cycle will restart.

## How adjust the size of ice cubes



1. Press and hold the “**Adjust**” button for at least 3 seconds. The unit will enter the Ice Size Adjustment mode. The “**ICE Making**” LED (green) will be blinking continuously during the ice size adjustment. Release the button when the LED blinks continuously to adjust the ice size.
2. While in the Ice Size Adjustment mode, press the “Clean” button or the “Mode” button for the desired ice size.

### Smaller ice setting:

By pressing the “Clean” button, you can decrease the size of the ice cubes. The “ICE FULL” LED (red) will flash as you lower the ice size and will finally be blinking at the setting of smallest ice size.

### Larger ice setting:

By pressing the “Mode” button, you can increase the size of the ice cubes. The “ICE HARVEST” LED (yellow) will flash as the larger size is set and will blink when the setting of largest ice size has been reached.

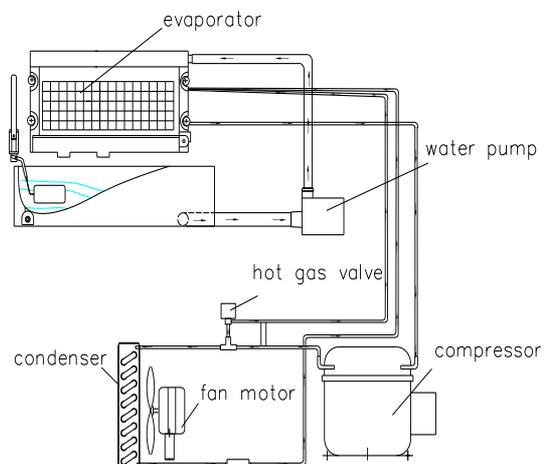
*After 10 seconds without any operation, the unit will automatically memorize the current state and return to the previous mode.*

### **NOTE:**

- If during the ice size adjustment mode the “ICE FULL”, “ICE MAKING” and “ICE HARVEST” LEDs blink all at once, this indicates that the unit is in the regular (middle) setting of the ice size.
- When the machine is in the cleaning stage or ice full stage, the ice size adjustment mode cannot be accessed.

## How the machine uses the water

The icemaker begins with a fixed charge of water that is contained in the water bin. As the water flows to the freezing evaporator surface, the part of water that does not contain mineral impurities will freeze and stick to the ice cube molds. The water containing impurities falls back into the water bin. Gradually, during the freezing portion of the ice making cycle, the water in the water bin will become highly



concentrated with mineral impurities.

During the ice making process, fresh water enter into the water trough continuously as the water in water trough is freeze continuously in the evaporator.

### ***Normal Sounds***

Your new icemaker may make sounds that are not familiar to you. Most of the new sounds are normal. Hard surfaces like the floor, walls can make the sounds seem louder than they actually are. The following describes the kinds of sounds that might be new to you and what may be making them.

- You will hear a swooshing sound when the water valve opens to fill the water bin for each cycle.
- Rattling noises may come from the flow of the refrigerant or the water line, Items stored on top of the icemaker can also make noises.
- The high efficiency compressor may make a pulsating or high-pitched sound.
- Water running from the water bin to the evaporator plate may make a splashing sound.
- Water running from the evaporator to the water bin may make a splashing sound.
- As each cycle ends, you may hear a gurgling sound due to the refrigerant flowing in your icemaker.
- You may hear air being forced over the condenser by the condenser fan.
- During the harvest cycle, you may hear the of ice cubes falling into the ice storing bin.
- When your first start the icemaker, you may hear water running continuously. The icemaker is programmed to run a rinse cycle before it begins to make ice.

### ***Preparing the Icemaker for Long Storage***

If the icemaker is not 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 valve.
3. Disconnect the drain pipe with the drain line of floor drain.
4. Allow the icemaker to run for an hour or more until all remaining ice cubes have been ejected from the icemaker assembly.
5. Shut off the electric supply at main electrical power source.
6. Screw off the nut of the water drain hole at the back of the machine, drain out water residue completely. (Do not loosen or screw off the nut at other times), then tighten the nut after finishing.

7. Drop the door open to allow for circulation and prevent mold and mildew.
8. Leave water supply line and power cord disconnected until ready to reuse.

## MAINTENANCE AND CLEANING

### CAUTION

If the icemaker 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 solution. Do not leave any solution inside the icemaker 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, the unit is used outdoors, or other special considerations.

#### **What shouldn't be done**

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

#### **What should be kept clean**

There are 4 things to keep clean:

1. The exterior.
2. The condenser.
3. The interior.
4. Water distribution tube.

### WARNING

Before proceeding with cleaning and maintenance operations, make sure the power line of the unit is disconnected and the water line is shut off (EXCEPTION: icemaker system's cleaning)

#### ***Exterior Cleaning***

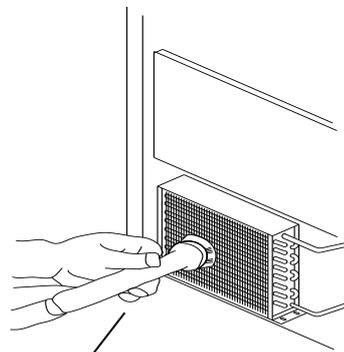
The door and cabinet may be cleaned with a mild detergent and warm water solution such as 1 ounce of dishwashing liquid mixed with 2 gallons of warm water. Do not use solvent based or abrasive cleaners. Use a soft sponge and rinse with clean water. Wipe with a soft clean towel to prevent water spotting.

Stainless steel models can discolor when exposed to chlorine gas and should be cleaned. Clean stainless steel models with a mild detergent and warm water solution and a damp cloth. Never use abrasive cleaning agents.

**NOTICE:** *Stainless steel models exposed to chlorine gas and moisture, such as areas with spas or swimming pools, may have some discoloration of the stainless steel. Discoloration from chlorine gas is normal.*

### **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 three months.



Condenser surface

1. Unplug the icemaker or disconnect power.
2. Remove the 3 screws at the bottom of the front cover. Grasp the lower edge of the front cover at the right and left sides, raise it a little then pull down.

**Note:** *Do not use too much force, as the wire leads connected to the power switch can be inadvertently disconnected.*

3. Locate the condenser surface. Remove dirt and lint from the condenser fins and the unit compartment with a brush attachment on a vacuum cleaner.
4. Reassembly the front cover.
5. Plug in the icemaker or reconnect power.



## **WARNING**

DO NOT touch the condenser fins. The condenser fins are sharp and can be easily damaged.

### **Interior Cleaning**

The ice storage bin should be sanitized occasionally. Clean the bin before the icemaker is used first time and reused after stopping some period. It is usually convenient to sanitize the bin after the ice making system has been cleaned, and the storage bin is empty.

1. Disconnect power to the unit.
2. Open the door and with a clean cloth, wipe down the interior with a sanitizing solution made of 1 ounce of household bleach or chlorine and 2 gallons of hot water (95°F to 115 °F).

3. Rinse thoroughly with clear water. The waste water will be drained off through the drain pipe.
  4. Reconnect power to the unit.
- The ice scoop should be washed regularly, wash it just like any other food container.



## WARNING

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.

### *Water Distribution Tube cleaning*

When you find that the ice cubes are incompletely formed or the output of ice cubes is low, the water distribution tube may be blocked. Set the power switch to OFF. Unscrew the six screws holding the top panel and remove the panel. You will see the water distribution tube. Rotate the water distribution tube so that the holes in it are facing up. Using a toothpick or similar tool, dredge the holes, then rotate the water distribution tube back to its original position. If the tube is badly blocked, clean it as follows:

1. Shut off the water and power supplies.
2. Disconnect the water hose from the distribution tube.
3. Lift one side, remove 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 and power supply lines.
7. Re-attach the top panel.

### *Ice-Making System Cleaning*

Minerals that are removed from 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 you need to clean the system depends on how hard your water is or how effective your filtration may be. With hard water of 15 to 20 grains/gallon (4 to 5 grains/liter), you may need to clean the system as often as every 3 months.

1. Set the power switch to OFF.
2. Remove all ice cubes from the storage bin.
3. Remove the screws in the front cover, push forward to remove the front cover. Locate the control box.

4. Keep the ice maker connected to the water supply. Pour 8 oz. of Nickel-Safe Ice Maker Cleaner Solution into the water tank.
5. Turn the power switch ON. Within 3 minutes, press the CLEAN button. The machine will run the Automatic Clean mode. The green Ice Making and the yellow Ice harvest LEDs will blink.
6. The cleaning cycle will continue for 30 minutes unless you press the power switch (you can press the power switch to stop the cleaning cycle any time during the 30 minutes). After cleaning, the green Ice Making and yellow Ice Harvest LEDs go on steady and the machine returns to Stand-by mode.
7. The dirty water must be drained out completely. Perform steps 2 and 3 in the Interior Cleaning section.
8. Repeat steps 4 to 6 above three times to rinse the ice-making system completely. NOTE: Do not add Ice Maker Cleaner Solution to the water trough during the rinses.
9. Reassemble the front cover.
10. If you want to make ice cubes after cleaning, turn off the power switch, drain off the waste water, then turn on the power switch. The next ice-making cycle will begin.
11. Discard the first batch of ice.

### ***Sanitizing the Ice-Making System***

1. Set the power switch to OFF.
2. Remove all ice cubes from the storage bin.
3. Remove the screws in the front cover, push forward to remove the front cover. Locate the control box.
4. Prepare a sanitizing solution by mixing 1 oz. household bleach with 1 gallon of warm water.
5. Keep the ice maker connected to the water supply. Fill the water tank with the sanitizing solution.
6. Turn the power switch ON. Within 3 minutes, press the CLEAN button. The machine will run the Automatic Clean mode. The yellow Ice Harvest and the red Bin Full LEDs will blink.
7. The cleaning cycle will continue for 30 minutes unless you press the power switch (you can press the power switch to stop the cleaning cycle any time during the 30 minutes). After cleaning, the yellow Ice Harvest and the green Ice Making LEDs go on steady and the machine returns to Stand-by mode.
8. The dirty water must be drained out completely. Perform steps 2 and 3 in the Interior Cleaning section.
9. Repeat steps 5 to 8 above three times with fresh water to rinse the ice-making system completely. NOTE: Do not add any cleaning or sanitizing solution to the water trough during the rinses.
10. Reassemble the front cover.
11. If you want to make ice cubes after cleaning, turn off the power switch, drain off the waste water, then turn on the power switch. The next ice-making cycle will begin.
12. Discard the first batch of ice.

## **WARNING**

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.

## **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. The problem could be something very simple which can be solved without a service call.

### *Troubleshooting Guide*

| <b><i>Problem</i></b>                                 | <b><i>Possible Cause</i></b>                                                                       | <b><i>Probable Correction</i></b>                                                           |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| The machine don't operate.                            | The ice maker is unplugged.                                                                        | Plug the ice maker in.                                                                      |
|                                                       | The fuse is blown.                                                                                 | Replace fuse--if it happen, call for service to check for a short circuit in the ice maker. |
|                                                       | The ice maker power switch turn to OFF.                                                            | Turn the ice maker power switch to ON.                                                      |
|                                                       | The ice storage bin is full of ice.                                                                | Take away some ices, make the ice-full sensor is free of ice.                               |
| The water doesn't feed in after the ice maker starts. | The water supply tap is turn off.                                                                  | Turn on the water supply tap.                                                               |
|                                                       | The water supply pipe is not proper connected.                                                     | Reconnect the water supply pipe.                                                            |
| Machine makes ice, but bin does not fill up with ice. | The bin should fill up and the machine shut off in 9-14 hours. If not, the condenser may be dirty. | Clean the condenser.                                                                        |
|                                                       | The bin drain may be partially restricted.                                                         | Clean out the drain, check the installation.                                                |
|                                                       | The air flow to the ice maker may be obstructed.                                                   | Check the installation.                                                                     |

|                                                      |                                                                                                |                                                                                                               |
|------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|                                                      | The ambient temperature and water temperature are high, or it is near with some heat resource. | Check the installation.                                                                                       |
| Water is leaking out the unit.                       | A few water drops to the floor when you open the door to take out ice from ice storage bin.    | Normal condensation on the door or some water together with ice. Take care when you take out ice.             |
|                                                      | Water supply connection leaking.                                                               | Tighten fitting. See Connecting the water line.                                                               |
|                                                      | Nut of the water drain hole leaking.                                                           | Tighten fitting. See "Connecting the Water Line".                                                             |
|                                                      | Drain pipe connection leaking.                                                                 | Tighten fitting. See connecting the drain.                                                                    |
| Cubes are partially formed--are white at the bottom. | Not enough water in the water bin.                                                             | Check if the water supply pressure is below 15psig.                                                           |
|                                                      |                                                                                                | Check water supply--filter may be restricted.                                                                 |
|                                                      |                                                                                                | Check for a water leak at the water bin.                                                                      |
|                                                      |                                                                                                | Check water inlet valve may be restricted.                                                                    |
| 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 icemaker stops suddenly while making ice.        | The electricity is off.                                                                        | Reconnected the power supply line.                                                                            |
|                                                      | The room temperature is out the state range.                                                   | Cut off the electricity, let the ice maker stop working till the temperature returns within the stated range. |
| The body of the ice maker is electrified.            | The earth line isn't in the socket.                                                            | Please use the socket meeting the standard.                                                                   |
| Scales occur frequently inside the machine.          | The rigidity of the water quality is too high.                                                 | Using a water-soften apparatus installed in front of the water inlet valve.                                   |
| The ice cubes are incomplete while being dumped.     | The sprinkler is blocked.                                                                      | Clean it see "interior cleaning".                                                                             |

