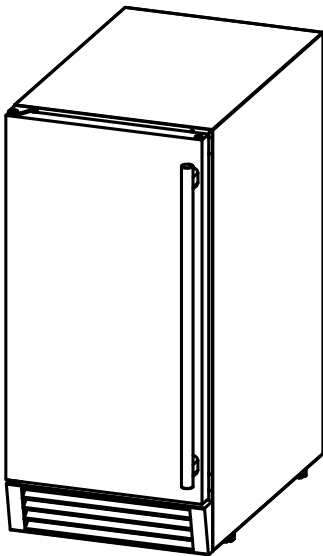
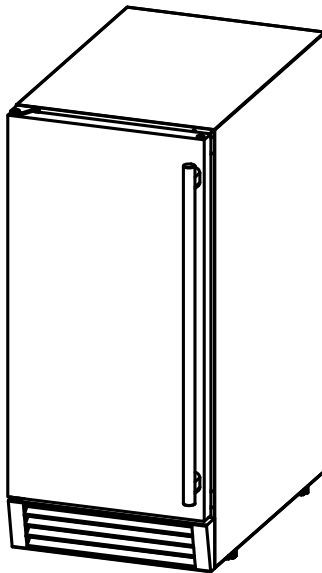




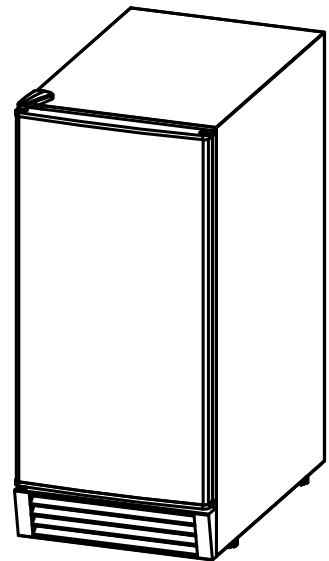
SERVICE, INSTALLATION, AND INSTRUCTION MANUAL



MIM50P-ADAE



**MIM50E / MIM50PE/
MIM50-OE/MIM50P-OE**



MIM50VE

**For AUTHORIZED PARTS or TECHNICAL SERVICE, please contact:
1-877-368-2797 or Service@MaxxHelp.com**

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**MIM50E, MIM50PE, MIM50VE
MIM50P-OE, MIM50-OE, MIM50P-ADAE
SELF CONTAINED ICE MAKER**

PLEASE READ CAREFULLY

Table of Contents

ICE MAKER SAFETY	1
IMPORTANT SAFEGUARDS.....	2
TECHNICAL INFORMATION	4
INTRODUCTION	4
COMPONENT LOCATIONS	5
ICE MAKER INSTALLATION	6
Remove PackagingMaterials	6
Cleaning Before Use	6
Installation Clearances	6
Electrical Requirements	7
Recommended Grounding Method	7
Leveling The Ice Maker.....	7
Reversing The Door Swing For MIM50VE.....	8
Reversing The Door Swing For MIM50E, MIM50PE, MIM50P-OE, MIM50-OE, MIM50P-ADAE.....	9
Connecting The Water Supply.....	9
Drain.....	10
Connecting TheDrain Line	11
INSTALLATION TYPES	11
Mobile Installation	11
Enclosed Installation	11
Built-in installation	10
OPERATION	12
Final Check List Prior To Operation	12
Operating Method.....	12
How The Ice Maker Makes Ice	13
How The Ice Maker Uses The Water	13
MIM50P 、MIM50P-ADAE and MIM50P-O DRAIN SYSTEM OPERATION.....	13
How the drain system operates when water is pumped out.....	13
Drain Pump Operation	13
Normal Sounds.....	15
Control panel.....	15
Indicator Notification	16
System Fault Notification	16
Majorfunctions.....	16
Extended Periods Of NON-USE.	17
CLEANING AND MAINTENANCE	18
What Shouldn't Be Done?	18
What Parts Should Be Kept Clean?	18
Exterior Cleaning.....	18
Interior Cleaning.....	18
Condenser Cleaning.....	19
Water Distribution Tube Cleaning.....	19
Ice-Making System Cleaning and Sanitizing	19
TROUBLE SHOOTING	21

SAVE THESE INSTRUCTIONS

DANGER – Risk of Fire or Explosion. FLAMMABLE REFRIGERANT Used.



**Do not use mechanical devices to defrost.
Do not puncture refrigerant tubing.
To be repaired only by trained service personnel.**



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 cause death to you and others. All safety messages will follow the Safety Alert Symbol and either the words **“DANGER”**, **“WARNING”** OR **“CAUTION”**.

DANGER

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

WARNING

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

CAUTION

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.

WARNING

To reduce the risk of fire, electric shock or injury when using your ice maker, follows 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, read the manual carefully. Maxx Ice strongly recommends that you have a professional install your new ice maker. 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:

WARNING

- 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 for 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.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- 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.
- 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 a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Do not touch the evaporator with your hand when the ice maker 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 ice maker. Failure to do so can result in back or other injury.
- Never install or operate the unit behind closed doors. To ensure proper ventilation for your ice maker, the front of the unit must be completely unobstructed. Choose a well-ventilated area with an ambient temperature range of between 50°F (10°C) to 99°F (37°C). This unit **MUST** be installed in an area protected from the elements, such as wind, rain, water spray or drips.
- 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, 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.
- The fuse (or circuit breaker) size is rated at 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 (ice 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, instructions provided for cleaning. Do not leave any sanitizing 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 cleaners 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.
- Do not touch the condenser fins, they are sharp and can be easily damaged.

WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

WARNING: Do not damage the refrigerant circuit.

WARNING: Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

This appliance is intended to be used in household and similar applications such as:

- staff kitchen areas in shops, offices and other working environments;
- farm houses and by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- catering and similar non-retail applications.

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 dedicated 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.

DISPOSAL

Dispose Of Properly In Accordance With Federal Or Local Regulations. Flammable Refrigerant Used. The appliance can not be treated as normal domestic trash but must be handed in at a collection point for recycling electric and electronic appliances. Further information about the recycling of this product can be obtained from your local municipal authority.

TECHNICAL INFORMATION

Model	MIM50E MIM50VE	MIM50P-ADAE MIM50PE	MIM50P-OE	MIM50-OE
Description	50lb Indoor Ice Maker		50lb Outdoor Ice Maker	
Voltage	115V/60Hz			
Amps(ice making/harvesting)	2.5A/1.9A			
Ice Type	Slab Cube			
Ice Cube Size	7/8" x 7/8" x 7/8"			
Power Consumption	10.6 kWh / 100lbs			
Unit weight	76lbs (MIM50VE) 77lbs (MIM50E)	79 lbs 77 lbs (ADA)	81 lbs	82 lbs
Maximum ice storage	25 lbs			
Ice-making capacity	50 lbs/day*			
Unit Dimensions(WxDxH)	14-5/8"x25"x32-11/16" (31-13/16"for MIM50P-ADAE ; 33-1/8" for MIM50VE)			
Internal blue LED light	NO	YES	YES	NO
Drain Pump	NO	YES	YES	NO

*The actual quantity of ice produced per day can vary with room and water conditions.

The technical data and performance index listed above is subject to change and should be used for reference only.

INTRODUCTION

The Maxx Ice MIM50E ice maker series produce hard, gourmet cube ice and offers convenience for homeowners, restaurants and hotel guests. An insulated ice storage bin is built in.

- A cold water supply is needed.
- A gravity drain is needed.

This user's manual is intended as a resource for persons installing, using and servicing the MIM50E series. It contains valuable information on safety and maintenance. Maxx Ice strongly recommends that this manual be kept in a place where it can be accessed when needed.

The MIM50E series is designed and manufactured according to the highest standards of safety and performance. It meets or exceeds the safety standard of UL 60335-1 & UL 60335-2-24 and sanitation standard of ANSI/NSF12.

Maxx Ice assumes no liability or responsibility of any kind for products manufactured by Maxx Ice that have been altered in any way, including the use of any parts and/or other components not specifically approved by Maxx Ice Warranty & Parts. Maxx Ice reserves the right to make design changes and/or improvements at any time. Specifications and designs are subject to change without notice.

Installing the stainless steel handle

This appliance includes a stainless steel handle. To install the handle please follow the below instructions:

1. Pull away the door gasket from the corner where the handle is to be installed on the left side as shown below in Illustration #
1. The gasket is easily displaced by hand, no tools are necessary.
2. Align the handle with the screws installed. Tighten the screws using a Phillips head screwdriver until the handle sets both flush and secured tightly against the door frame. (DO NOT over tighten as this will cause damage to the handle assembly).
3. Replace the door gasket to its original position.
4. If you choose not to use the handle supplied, simply follow step 1 to access the installation screws and remove them and then place the two decorative plugs into the two holes separately. Continue on to step 3 to replace the door gasket to its original position.

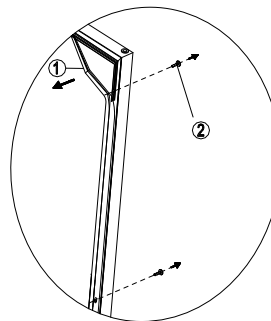


Illustration # 1

1. Gasket
2. Phillips Head Screw

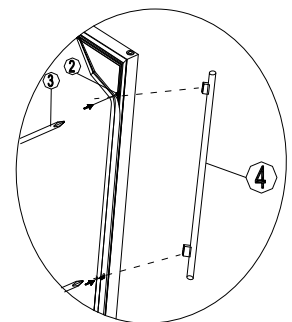
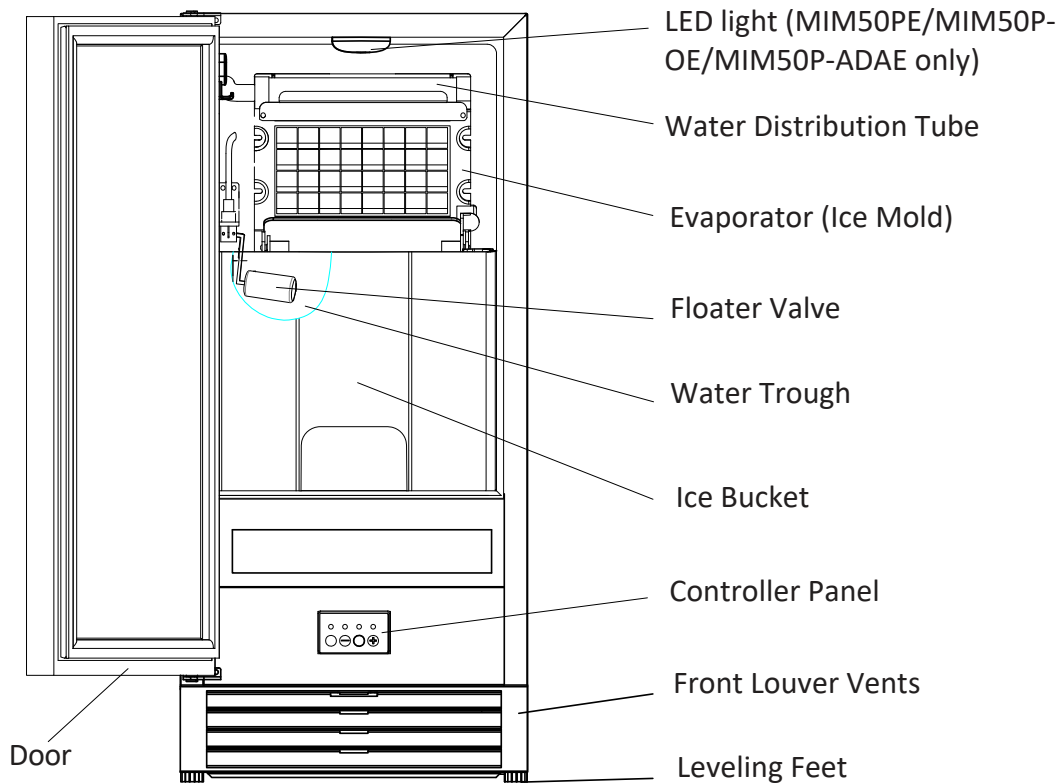


Illustration # 2

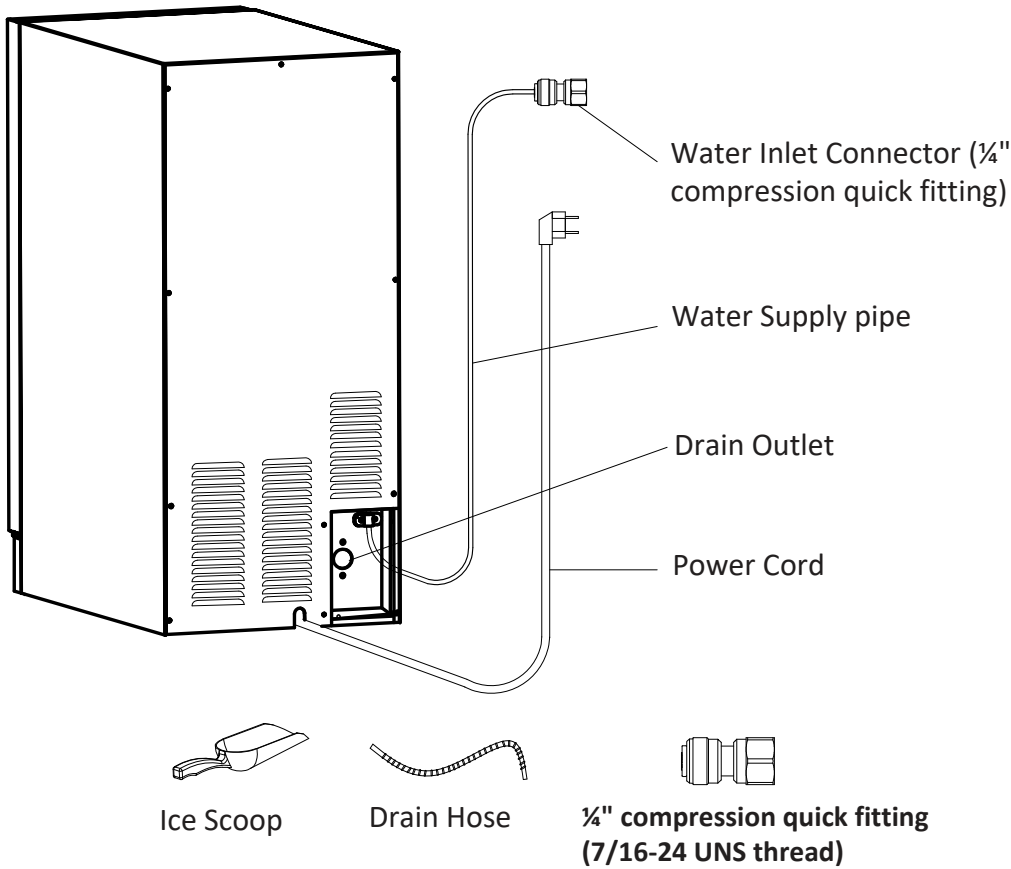
3. Phillips Head Screw Driver
4. Handle

COMPONENT LOCATIONS

Front



Back



ICE MAKER INSTALLATION

WARNING

Excessive Weight Hazard

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

Remove Packaging Materials

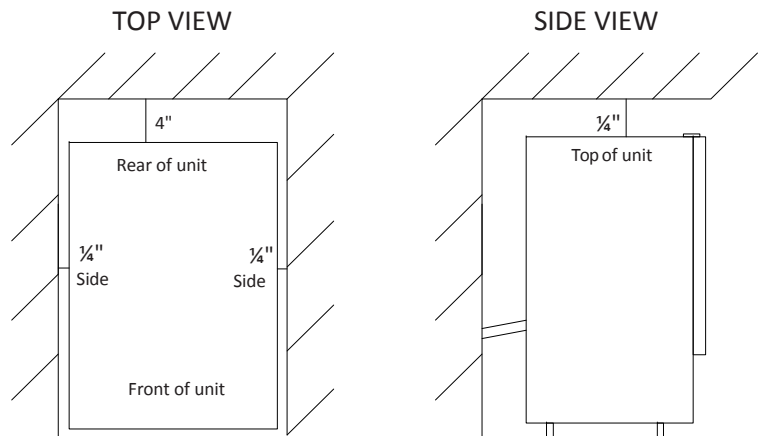
IMPORTANT: Do not remove any permanent instruction labels or the data label on your ice maker. Remove tape and glue from your ice maker before using.

- 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.

Installation Clearances



WARNING: When positioning the appliance, ensure the supply cord is not trapped or damaged.

WARNING: Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.

- 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.
- When installing the ice maker under a counter, follow the recommended spacing dimensions shown. Allow at least 4" (102mm) clearance at rear, and 1/4" (6.5mm) 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 an ambient temperature range of between 50°F (10°C) to 99°F (37°C). This unit **MUST** be installed in an area protected from the elements, such as wind, rain, water spray or drips.
- 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 1/4" (6.35mm) soft copper tubing with a shut-off valve.
- The ice maker requires a continuous water supply with a minimum pressure of 15 psi (1 bar or 103 kPa) and a static pressure not to exceed 75 psi (5.2 bar or 517 kPa). The temperature of the water feeding into the ice maker should be between 40°F (4°C) and 90°F (32°C) for proper operation.

WARNING

Normal operating ambient temperature should be between 50°F (10°C) to 99°F (37°C).

Normal operating water temperature should be between 40°F (4°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 all 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 (115V AC 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 icemaker and wall or cabinet.

Electrical Requirements

DANGER



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.

It is important to make sure you have the proper electrical connection:

A standard electrical supply, 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 dedicated electrical outlet. 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. The fuse (or circuit breaker) size should be 15 amperes.

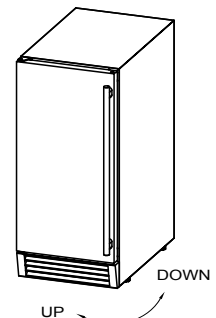
Recommended Grounding Method

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.

Leveling The Ice Maker

It is important for the ice maker to be leveled in order to work properly. Otherwise water will not flow properly through the evaporator (ice mold). The ice production will be less than normal, and may be noisy. 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 ice maker.

1. 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.
2. Adjust the height of the casters as follows:
Turn the leveling casters clockwise to lower that side of the ice maker. Turn the leveling casters counterclockwise to raise that side of the ice maker.



You will find that the casters make it easy for one person to move the ice maker. 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.

Reversing The Door Swing For MIM50VE

Tools needed: Flathead screwdriver, Phillips screwdriver

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

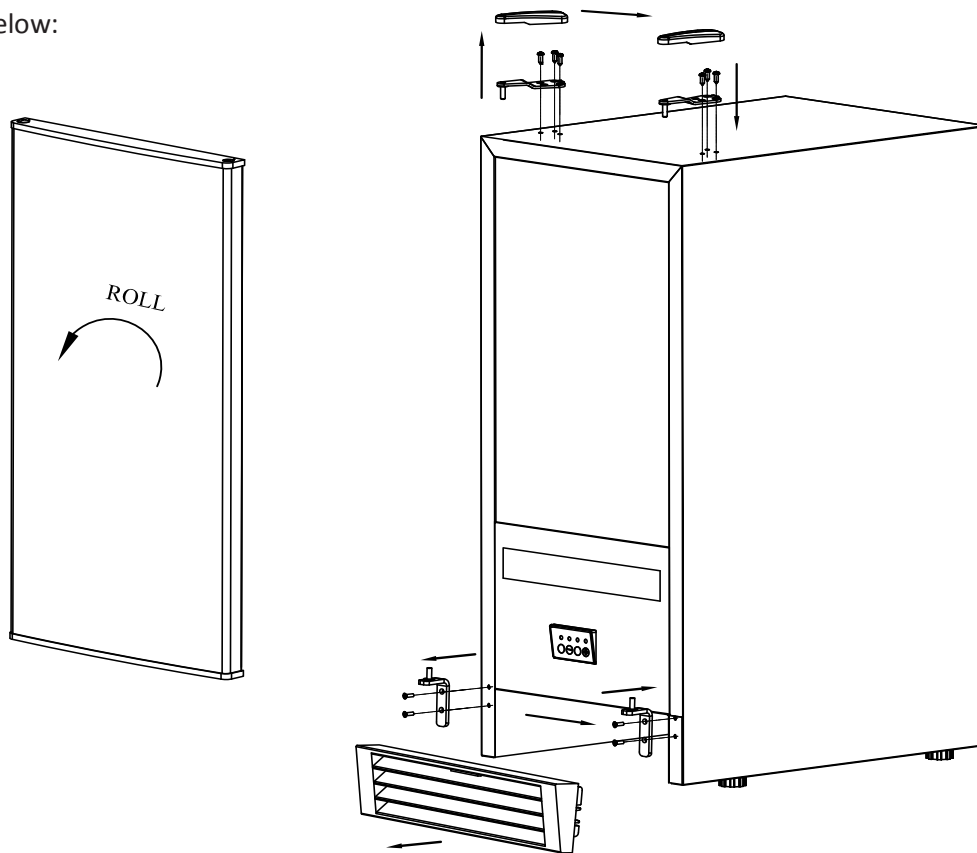
To Remove Door From Hinges

1. Remove the top hinge cover.
2. Using a Phillips screwdriver, remove the screws, remove the top hinge mat and top hinge. Keep the parts together and set them aside.
3. Lift the door off of the bottom hinge and set the door aside.

To Replace Door On Hinges

1. Using a flathead screwdriver, remove the plug buttons from the screw holes opposite the door hinges, top and bottom. Set aside.
2. Remove the front louver. Set aside.
3. Remove the bottom hinge and place it on the opposite side at the bottom of the door.
4. Position the door on the bottom hinge.
5. Align the door on the bottom hinge and replace the top hinge and top hinge mat.
6. Replace top hinge cover.
7. Push the plug buttons into the original screw holes.

See Figure below:



MIM50VE

Reversing The Door Swing For MIM50E, MIM50PE, MIM50P-OE, MIM50-OE, MIM50P-ADAE

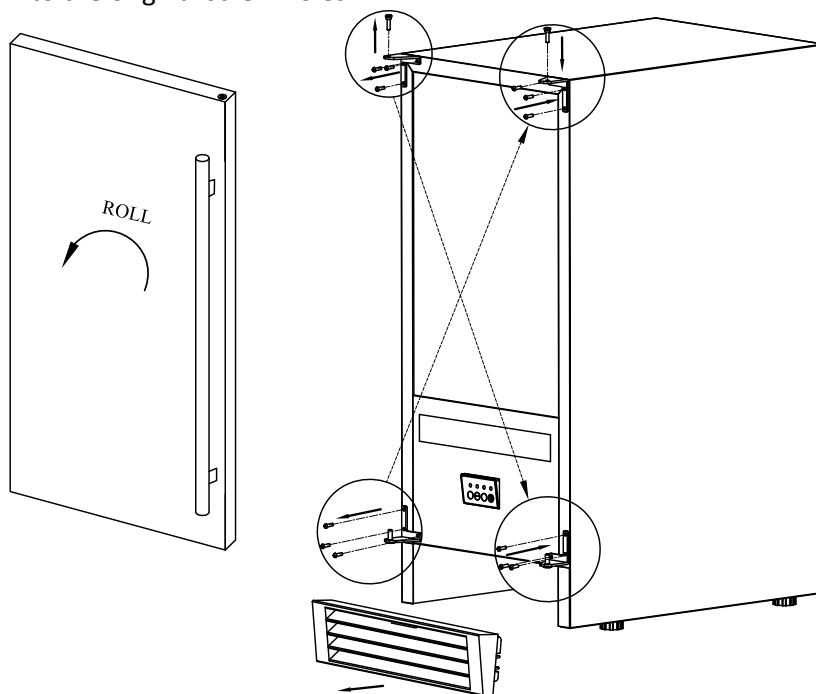
To remove door from hinges:

1. Using a flathead screwdriver, separate the axis from the top hinge. Set aside.
2. Open the door about 20° around the axis of the bottom hinge, then lift the door off of the bottom hinge and set door aside.

To replace door on hinges:

1. Using a flathead screwdriver, remove the plug buttons from the screw holes opposite the door hinges, top and bottom. Set aside.
2. Replace the axis on the top hinge and tighten it firmly. Remove the top hinge and place it on the opposite bottom side.
3. Remove the bottom hinge and place it on the opposite top side. Separate the axis from this hinge and set it aside.
4. Align the door on bottom hinge, replace axis on this hinge, and tighten it firmly. Place the handle on the side of the door away from the hinge side.
5. Push the plug buttons into the original screw holes.

See Figure below.



Connecting The Water Supply

The water supply should be ready at the point of installation. The water supply pressure should be a minimum of 15 psi (1 bar or 103 kPa) with a static pressure not more than 75 psi (5.2 bar or 517 kPa). (A wall outlet directly behind the ice maker will make installation easier.)

The integrated 1/4" OD water inlet pipe equips an 1/4" compression quick connector (7/16-24 UNS thread) for easy faucet connection. And, the quick connector can be removed and direct connecting the water pipe to regular water filter system.

NOTE:

All installations must be in accordance with local plumbing code requirements.

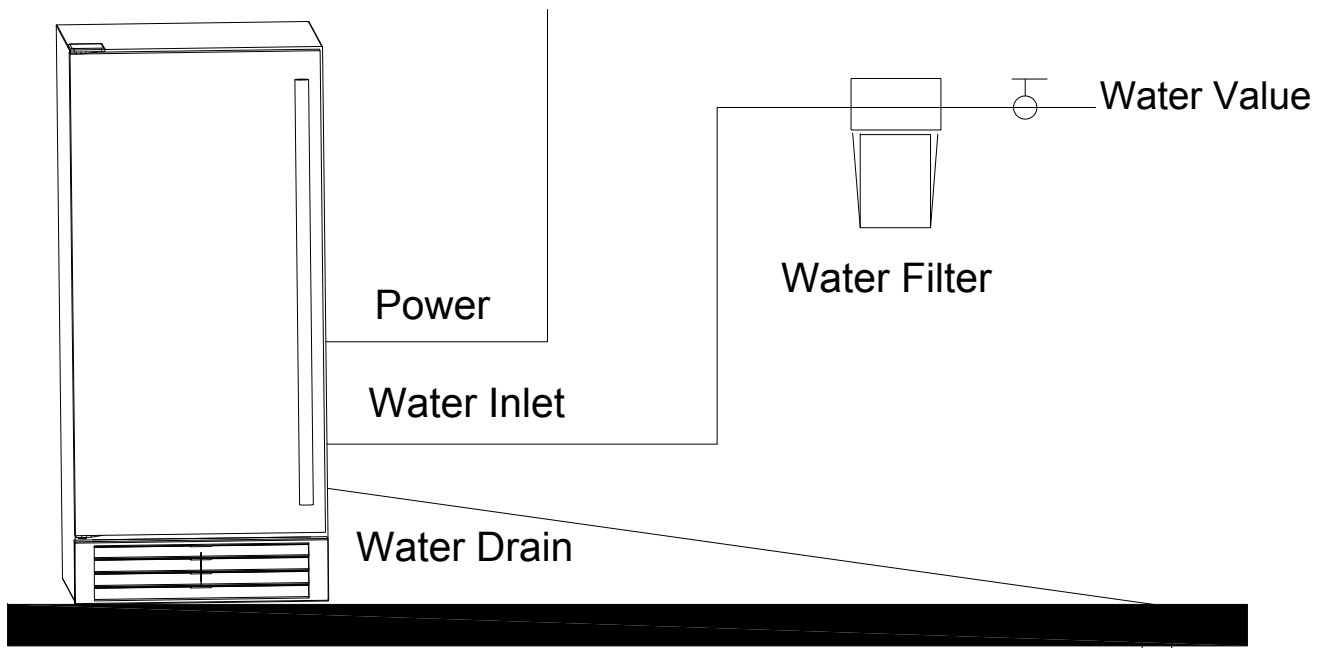
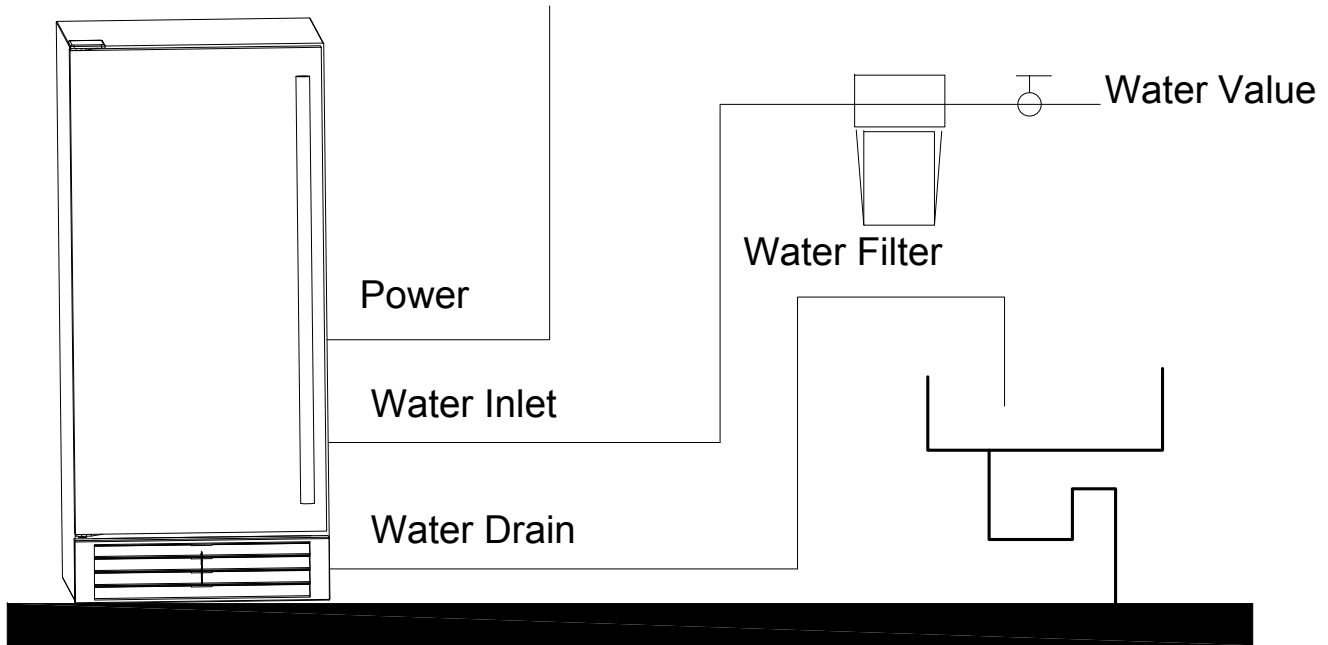
Professional installation is recommended. Make certain the hoses are not pinched, kinked or damaged during installation. Check for leaks after connection.

When you connect the water supply hose and the drain hose, pay attention to the indications of "Water inlet" and "Drain outlet" on the ice maker.

Drain

You must connect the drain line before using the ice maker. Follow the steps below.

There are two types of ice machine modes, one that drains by gravity and one that has an internal drain pump. The *MIM50P-ADAE*, *MIM50PE* and *MIM50P-OE* models come with an internal drain pump that can pump out water up to a rise of 1.5m (59") or over a horizontal length of 1.5m (59").



Connecting The Drain Line

NOTE: If there is a drain line near the ice maker, the best choice to drain water to the drain line, is 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, take off the rear drainage plug. Connect the nut of the drain outlet to the water draining hose, insert the other end of the hose into the drain line.

NOTE: Never allow the drain hose to hang or loop higher than the floor of the ice storage bin.

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 stand pipe with a trap below it would be acceptable for the drain/waste receptacle. A floor drain is also acceptable. If this is not possible, Maxx Ice recommends the use of a condensate pump. Available at local hardware stores. *(An internal pump comes standard on the MIM50P-ADAE, MIM50PE and MIM50P-OE models.)*
4. Pour 1 gallon of water into the ice storage bin to check for leaks at all drain connections and at the nut of the drain water hole. Tighten any connections or nuts that leak.

NOTE: This ice maker is not a freezer. Hot temperatures will cause a high rate of melting in the ice storage bin. Ice will drain over time. A drain is required.

INSTALLATION TYPES

This ice maker has been designed for Mobile (free-standing) installation. However, it can also be Enclosed (under a cabinet) or Built-in (sealed to the floor). In every case, there must be adequate air space around the unit for ventilation.

Mobile Installation

A mobile installation will allow you to install the ice maker free-standing in any place you desire provided you have access to a water supply, proper electrical, a drain and you've leveled the ice maker.

Enclosed Installation

An enclosed installation will allow you to install the ice maker under a cabinet provided the required clearance space around the ice maker is respected, and you have access to a water supply, proper electrical, a drain and you've leveled 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 ice maker in front of installation location. Remove the feet and place the unit flat 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. The drain line must be connected. If you do not have a floor drain, you will require a condensation pump. Not required for the MIM50P-ADAE, MIM50PE and MIM50P-OE models they come with an internal drain pump.
4. Turn on main water supply and tap. Check for water supply connection leaks. Tighten every connection (including connection at the water inlet).
5. If the electrical outlet for the ice maker is behind the cabinet, plug in the ice maker.
6. Push the ice maker into position.
7. Seal all around the cabinet to the floor with an approved caulking compound.

NOTE: Be sure the drain hose is connected and fed into the drain line before the ice maker is moved into its final position.

OPERATION

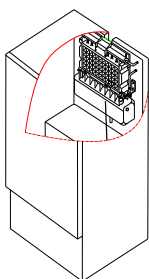
Final Check List Prior To Operation

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 ice maker to water, drain and electricity?
4. Has the ice maker been leveled?
5. Is the ice maker in a site where the ambient temperature is between 50°F (10°C) and 99°F (37°C) and the water temperature between 40°F (4°C) and 90°F (32°C) all year-round?
6. Has the water supply pressure been checked to ensure a minimum of 15 psi (1 bar or 103 kPa) with a static pressure not to exceed 75 psi (5.2 bar or 517 kPa)?
7. Is there a clearance of at least 4" (102 mm) at the rear, and ¼" (6.5 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?

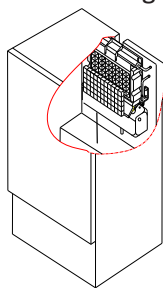
Operating Method

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

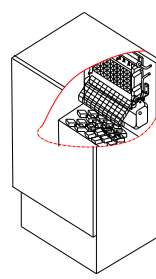
Ice Making Stage



Ice Harvest Stage



Bin Full Stage



2. After 3 minutes, the ice maker will automatically go to the ice-making stage, and 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.
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 ice maker stops making ice automatically.
5. The unit will start making ice again after the ice cubes are removed. Then the bin-full probe swings back to operating position.
6. Bin light (if present) (*standard on MIM50P-ADAE, MIM50PE and MIM50P-OE*): The bin light is controlled by a magnetic reed switch that has been installed on the inner surface of the door. It is turned On or Off automatically with the opening or closing of the door.
7. Pump Water Drain system (if used) (*standard on MIM50P-ADAE, MIM50PE and MIM50P-OE*): As soon as the ice melt water or other surplus overflow water in the water reservoir reaches the maximum level, the water level switch closes and transmits a low-voltage current to the PC board. The PC board energizes the water drain pump for 20 seconds, pumping out most of the excess water in the water reservoir.

NOTE:

- 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 Ice Maker Makes Ice

Plug in and press the power button. The ice maker will automatically go to the ice making stage. There are two distinct cycles: ice freeze and harvest.

1. The freeze cycle happens when water flows to the evaporator surface.
2. The harvest cycle is when the ice is released and water enters the ice maker.

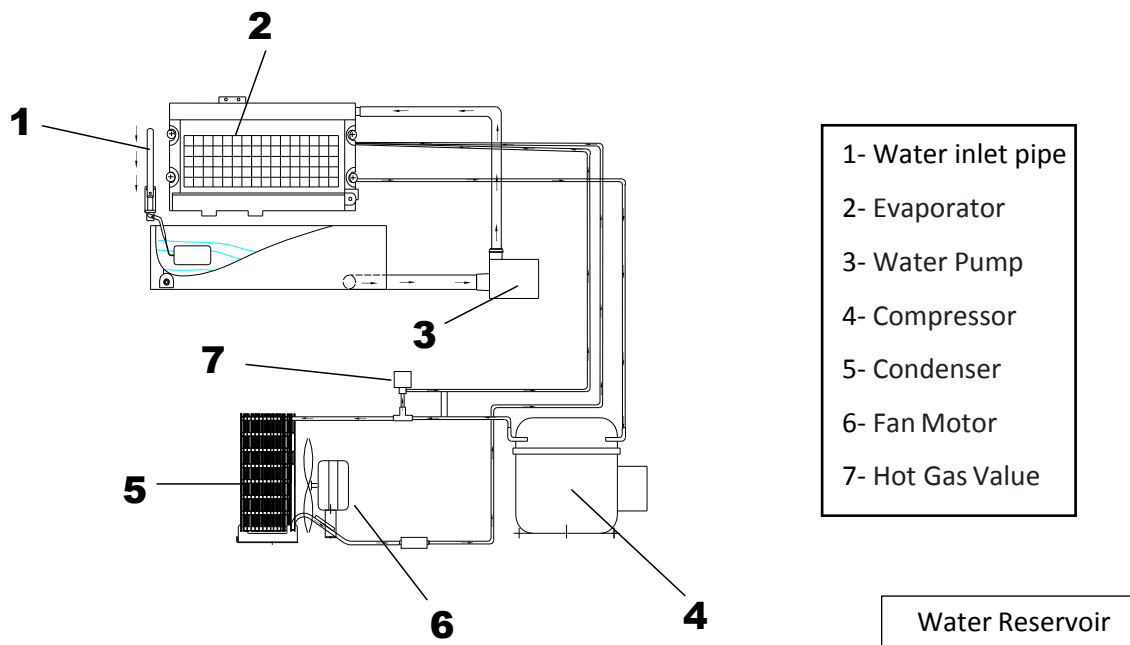
20 Minutes: A complete cycle takes about 20 minutes, but it depends on temperature and operating conditions.

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 batch of ice has been fully formed, the ice maker stops the freeze cycle and harvest cycle begins.

Harvest: During the harvest cycle the compressor is still operating, but the water pump has stopped. The hot gas valve opens, diverting hot refrigerant gas into the evaporator. The hot refrigerant gas warms the evaporator, causing the cubes to slide as a unit off the evaporator and into the storage bin. The freeze cycle will restart when all the cubes have been harvested.

How The Ice Maker 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 trough freezes continuously in the evaporator.



MIM50PE、MIM50P-ADAE and MIM50P-OE DRAIN SYSTEM OPERATION

How the drain system operates when water is pumped out

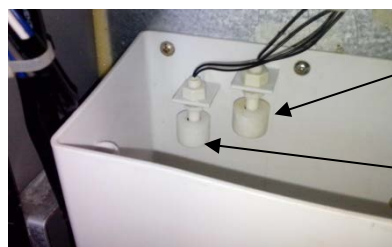
The components of the Pump-Out Water Drain System are

- Water reservoir
- PC Board & Water level switch 1, 2
- Water Drain Pump

Drain Pump Operation

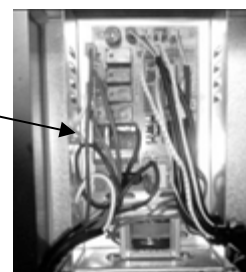
- All water coming from the overflow and the melted ice is collected in the water reservoir.
- As soon as the water in the reservoir reaches the maximum level, the water level switch 1 closes, transmitting a low voltage current to the PC Board.





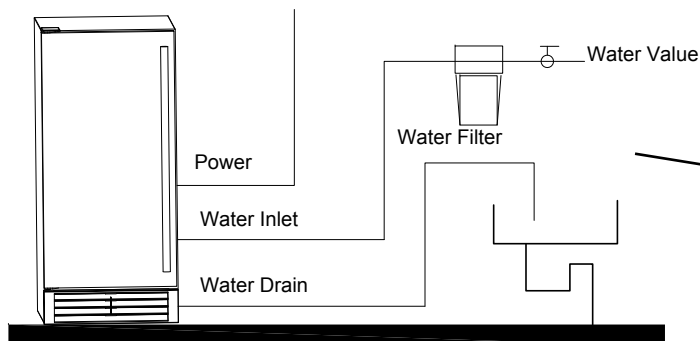
Water Level Switch 2

Water Level Switch 1



PC Board

- The PC board activates the water drain pump for 20 seconds, pumping out most of the water contained in the water reservoir.
- The water can be pumped out up a rise of 1.5m (59") or over a horizontal length of 1.5m (59").

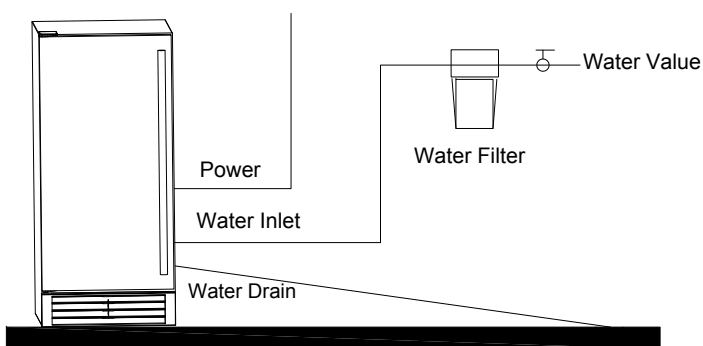


NOTE:

The outlet of the drain hose must be raised higher than the water surface to prevent the drained water from flowing back into the water reservoir.

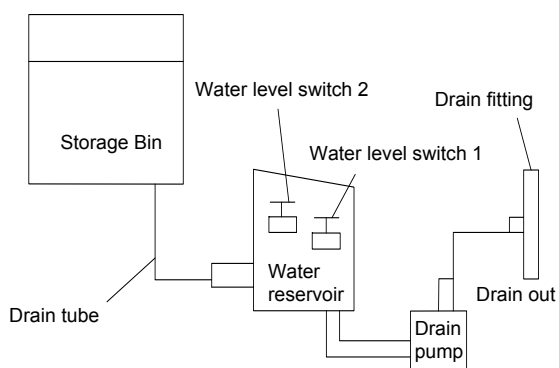
WARNING!

If alarm buzzer sounds, turn off the ice maker and the water supply, remove all ice from storage bin, and wipe up any water that may have overflowed. Check if there is any water in water trough at back of unit; if no water, drainage pump may not be receiving the proper amount of power. Check power source. If the problem can be corrected, turn on the unit again. Also check that none of the water lines are kinked. If the problem remains, contact Customer Service.



- If water level switch 2 closes, transmitting a low-voltage current to the PC board, the PC board activates the buzzer alarm, informing you that the drain pump, water level switch or drain tube may be malfunctioning.

Drain System Schematic Diagram

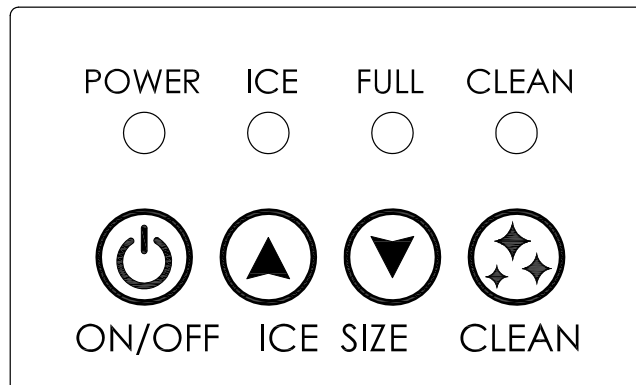


Normal Sounds

Your new ice maker may make sounds that are not familiar to you. Most of the new sounds are normal. Hard surfaces like the floor and walls can make the sounds louder than they actually are. The following list describes the sounds that might be new to you and what may be causing them.

- Rattling noises may come from the flow of the refrigerant or the water line. Item stored on top of the ice maker can also make noises.
- The high efficiency compressor may make a pulsating or high-pitched sound.
- Water running may make a splashing sound.
- You may hear air being forced over the condenser by the condenser fan.
- During the harvest cycle, you may hear the sound of ice cubes falling into the ice storage bin.

CONTROL PANEL



FUNCTION		OPERATING
ON		Press ON to start automatic ice making, the ICE indicator lights. Note: All indicators lights for 3 minutes on initial running, and then switch to ice making automatically.
OFF		Press OFF to turn off and standby. Only POWER indicator lights.
Ice Size Adjustment	 	Press UP or DOWN to enter Ice Size Adjustment, beeper will sounds when operating. By press UP or DOWN,the ice size setting can be toggle from automatic default 0 position to +4 or -4. Each represents bigger or smaller ice size. CLEAN indicator blinks = +4 CLEAN indicator lights = +3 BIN FULL indicator lights = +2 ICE indicator lights = +1 ALL indicators lights = 0 (default) CLEAN indicator blinks = -1 BIN FULL indicator blinks = -2 ICE indicator blinks = -3 ICE indicator lights = -4 The setting will be saved and then automatically exit after 6 seconds. Note: Ice Size Adjustment is not available on Cleaning and Standby.
Cleaning		In Standby mode, Press and hold CLEAN for 3 seconds to run the clean program, this program will run for 30 minutes and standby.

Indicator Notification

POWER lights	Unit is powered on.
ICE lights	Ice making.
ICE blinks	Ice harvesting.
BIN FULL lights	Bin is full, and ice making has stopped.
BIN FULL blinks	Counting down to switch to ice making.
CLEAN lights	The cleaning program is running.
CLEAN blinks	Clean Reminder: ice making system cleaning is required.

System Fault Notification

When the unit detects an error, indicator flashing. Please provide the error codes when contacting service.

EVP temperature sensor failure	ICE indicator fast blinks
CDN temperature sensor failure	CLEAN indicator fast blinks
High temperature	CLEAN indicator fastest blinks
Ice harvesting failure	ICE and BIN FULL indicators blinks together
Lack of water	BIN FULL and CLEAN indicators blinks together

Extended periods of NON-USE

WARNING

Electrical Shock Hazard

Always disconnect power at the source before working on the unit.

Note: Do not winterize this unit with ANY type of anti-freeze; damage to the mold coating will occur, invalidating product's Limited Warranty and creating potential health hazard.

1. Turn off the water at the main water supply.
2. Disconnect the water supply line from the water inlet of the ice machine.
3. Remove any remaining ice from the storage bin.
4. Unclip and lower the drain tube of the water trough to drain the water into the bin, then let the remaining water drain out through the drain hole on the bottom of the bin. Reinstall the drain tube. For gravity drain models, move to the next step. For models with drain pump, listen for the pump to turn on and run, draining the remaining water. If you do not hear the drain pump run, pour some more water into the ice bin to trigger the pump to turn on. Once the pump has turned on, run, and then turned off, the water is sufficiently drained.
5. Turn the unit off and unplug the power cord.
6. Leave the door propped open to allow for circulation to prevent mold and mildew.
7. Leave the water supply line disconnected, and the power cord unplugged until ready for use.

NOTICE: Never pull on the power cord to unplug the appliance from the electrical outlet. Grasp the plug of the power cord and pull out firmly.

Recommissioning the unit

1. If stored outside, it is recommended that the unit be thoroughly inspected to remove any dirt or debris as well as for animals/insects.
2. Connect the water supply line, turn on the water, check for leaks, and then restore power to the unit. It is recommended to clean the unit after long-term storage by following the **Ice Making System Cleaning and Sanitizing** instructions.

Starting up the unit

1. Turn on the water, check for leaks, and then turn on power.
2. Turn on the unit by pressing the power button.
3. The water inlet valve will turn on immediately to supply water to the unit. The water pump and compressor will turn on later (approximately 5 minutes) to initiate the ice making cycle. If the machine was shut-off while in the ice-harvesting cycle, make sure the ice is harvested before starting up the unit.
4. The first harvest of ice should occur within 60 minutes of start-up.
5. After the unit purges air from the lines, normal harvesting and refilling occur every 40 minutes or less, under normal conditions.

CLEANING AND MAINTENANCE

CAUTION

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 if 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?

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

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.

Exterior Cleaning

The door and cabinet may be cleaned with a mild detergent and warm water solution such as 1 oz. 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.

If the door panel is stainless steel, 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.

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. Rinse thoroughly with clear water.
4. Screw off the drainage nut to drain completely.
5. Put the ice storage bin inside the unit.
6. Reconnect power to the unit.

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

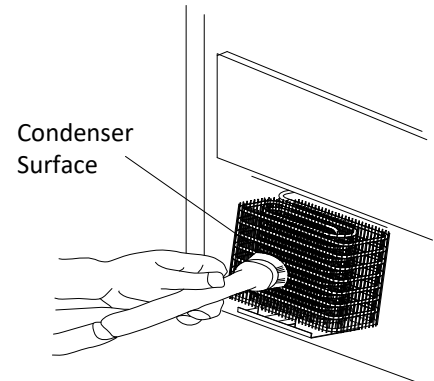
WARNING

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



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 and Sanitizing

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 turn off the ice maker to standby by press the Power button 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 Machine Cleaner Solution into the water trough. Then press and hold the CLEAN button for 3 seconds to initiating the wash cycle. The ice maker will run in the Automatic Clean Mode.
4. Allow 30 minutes for proper cleaning. After cleaning, the ice machine will back to standby mode. Unclip and lower the drain tube of the water trough to drain the waste water to a convenient container. Don't drain off the waste water to the inside of the cabinet, then put the drain tube back.
5. Repeat steps 3 and 4 (without Ice Machine Cleaning Solution) three times to rinse the ice making system thoroughly.

6. Next, prepare a sanitizing solution made of 1 ounce of household bleach and 2 gallons of hot water (95° to 115°F). Fill a spray bottle with the sanitizing solution and spray all corners and edges, making sure to cover all surfaces with the solution. Wipe the entire bin inside and outside, covering the entire surface of the walls. Allow the solution to be in contact for at least 3 minutes, then dry.
7. Repeat steps 1 to 5 with the sanitizing solution of step 6 (bleach and water). Filling the water through to its maximum level.
8. Repeat steps 3 and 4 to rinse the ice making system one more time.
9. Press the Power button again. The ice maker will return to the regular ice making mode. 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

Problem	Possible Cause	Probable Correction
The ice maker 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 is in standby.	Press the POWER button.
	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 ice maker 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.
Ice maker 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. <i>See Connecting the water line.</i>
	Drain pipe higher than drain outlet. (non drain pump models only)	Lower drain pipe.
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 psi (103kPa)
		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. <i>See Leveling the Ice Maker.</i>
	Certain sounds are normal.	<i>See Normal Sounds.</i>
The ice maker stops suddenly while making ice.	The electricity is off.	Reconnect the power supply line.
	The room 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 ice maker.	The hardness level of the water is too high.	Install a water-softening device in front of the water inlet.
Water leaks from the ice storage bin.	The drain hole below the ice storage bin is blocked.	Remove the ice storage bin and clean the drain hole.
	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. (Applies to drain pump models only)	Problem in pumping out water.	Check for correct operation of drain water pump, water level switch and drain tube.



**For AUTHORIZED PARTS or TECHNICAL SERVICE, please contact:
1-877-368-2797 or Service@MaxxHelp.com**

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