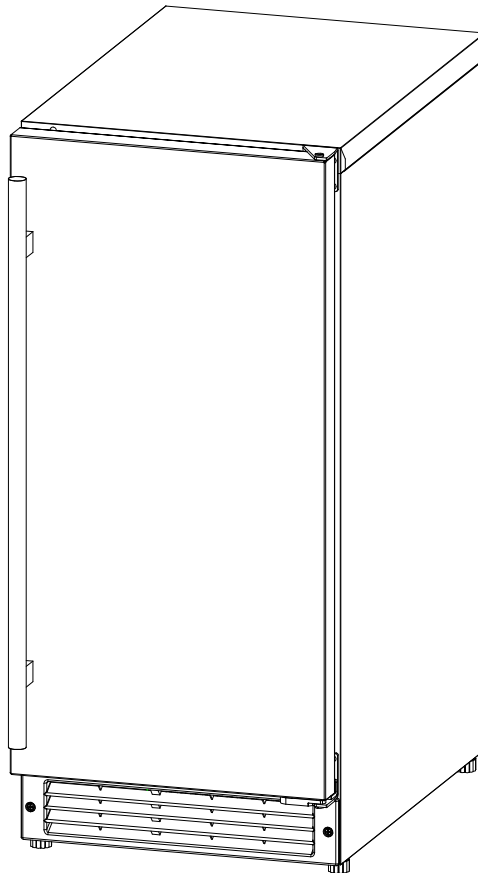




MERCATOR

NAVIGATING SUCCESS

15" Nugget Ice Maker User Manual



MU15IMN

ASBURY WORLD WIDE LLC

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IMPORTANT SAFETY INSTRUCTIONS

SAFETY DEFINITIONS

The words **DANGER**, **WARNING**, **CAUTION** and **NOTICE** are used throughout this manual to highlight important information. Be certain that the meanings of these alerts are known to all who operate and install the appliance.

DANGER

Indicates a hazardous situation that, if not avoided, *will* result in death or serious injury.

WARNING

Indicates a hazardous situation that, if not avoided, *could* result in death or serious injury.

CAUTION

Indicates a hazardous situation that, if not avoided, *could* result in minor or moderate injury.

NOTICE

Indicates a situation that can cause damage to the appliance and/or the environment, or cause the appliance to operate improperly.

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.



DISPOSAL

The appliance cannot be treated as normal domestic trash but must be handed in at a collection point for recycling electric and electronic appliances. Your contribution to the correct disposal of this product protects the environment. Further information about the recycling of this product can be obtained from your local municipal authority.

SAFETY PRECAUTIONS

POWER CORD PRECAUTIONS

- Do not use the appliance if the power cord is damaged. If the power cord is damaged, have a qualified electrician replace the power cord.
- Never lift, carry, or drag the appliance by the power cord.
- Do not connect or disconnect the electric plug when your hands are wet.
- Never unplug by pulling on the power cord. Always grip the plug firmly and pull straight out from the outlet.

MOVING PRECAUTIONS

- When moving the appliance, do not turn it upside-down and do not unlevel it more than 45 degrees.
- Do not move the appliance without emptying it and securing the door in the closed position.

INSTALLATION PRECAUTION

- Connect to potable water supply only.

OTHER PRECAUTIONS

- To ensure proper ventilation for the appliance, keep obstructions away from the front of the unit.
- Keep fingers out of the “pinch point” areas. Clearance between the door and cabinet are necessarily small. Be careful closing the door when children are in the area.
- Do not touch the evaporator with your hand when the appliance is operating.
- Do not attempt to repair or replace any part of your appliance unless this manual specifically recommends it. Have a qualified technician perform all other service on the unit.
- 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.
- Children 8 years of age and older and people with reduced physical, sensory or mental capabilities or lack of experience and knowledge can use this appliance if they have been given supervision or instruction concerning use of the appliance in a safe way and they understand the hazards involved.
- Never allow children to operate, play with or crawl inside the appliance.
- Never allow children to clean and maintain the machine without supervision.
- Do not use the appliance other than for its intended purpose.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

CLEANING AND MAINTENANCE PRECAUTIONS

- Never clean the appliance parts with flammable fluids. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this appliance or any other appliances. The fumes can create a fire hazard or explosion.
- 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.
- If the appliance will not be used for a long time, thoroughly clean it before the next use. Carefully follow any instructions provided for cleaning or the use of sanitizing solution. Do not leave any solution inside the appliance after cleaning.
- Use two or more people to move and install the ice maker. Failure to do so can result in back or other injury.
- Never install or operate the unit in an enclosed area, such as a closed cabinet. To ensure proper ventilation for your ice maker, the front of the unit must be completely unobstructed. Choose a well-ventilated area with temperatures above 50°F (10°C) and below 110°F (43°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 (115 V AC, 60 Hz, 15 A), properly grounded in accordance with the National Electrical Code and local codes and ordinances, is required.
- Do not kink or pinch the power supply cord between the ice maker and cabinet.
- The fuse (or circuit breaker) size should be 15 amperes.
- It is important for the ice maker to be leveled in order to work properly. Otherwise water may not flow properly through the evaporator (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 any instructions provided for cleaning or use of sanitizing solution. Do not leave any solution inside the ice maker after cleaning.
- **DO NOT** use solvent-based cleaning agents or abrasives on the interior. These cleaners may transmit taste to the ice cubes, or damage or discolor the interior.

- The ice machine cleaner contains acids. Do not use or mix with any other solvent-based cleaning products. Use rubber gloves to protect hands. Carefully read the safety instructions on the container of the ice machine cleaner.
- Do not use the apparatus other than for its intended purpose.



SAVE THESE INSTRUCTIONS

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.

Electrical Connection

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

Extension Cord

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

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.

TECHNICAL INFORMATION

15" Nugget Ice Machine

FEATURES	MU15IMN
Electrical Requirements	115V/60Hz
Maximum Amp Fuse	15 amps
Usage	Indoor/Outdoor*
IP Rating	IPX4
Ambient Operating Range	50~110°F (10°C~43°C)
Water Operating Range	50~90°F (10°C~32°C)
Water Pressure Operating Range	15~80psig(0.103MPa~0.55MPa)
Ice-making /-harvest rated current	2.2A
Refrigerant	R600a 1.16 oz
High/Low side pressure	99 psig/13 psig
Ice Shape	Nugget
Ice Production Capacity	Maximum 75lbs (34Kg)**
Ice Storage Capacity	30lbs (13kg)
Ice Size (L×D×H)	Φ 1/2" x 1/2"
Ice Weight	about 0.04oz(1.2g) per cube
Unit Dimensions (W×D×H)	14-7/8"×24-1/4"×33-1/2"
Net Weight	88 lbs (40kg)

* In outdoor use, the unit must be installed under an awning or canopy and must not be exposed directly to rain or sun.

** The actual quantity of ice produced per day will vary with ambient and water conditions.

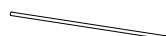
Note: Technical data and performance information are provided for reference only and are subject to change.



Ice Scoop



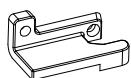
1/4" Compression Quick Fitting (thread 7/16"-24UNS)



1/4"Water Pipe



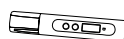
Drain Pipe



Left Latch Block



Left Latch Hook

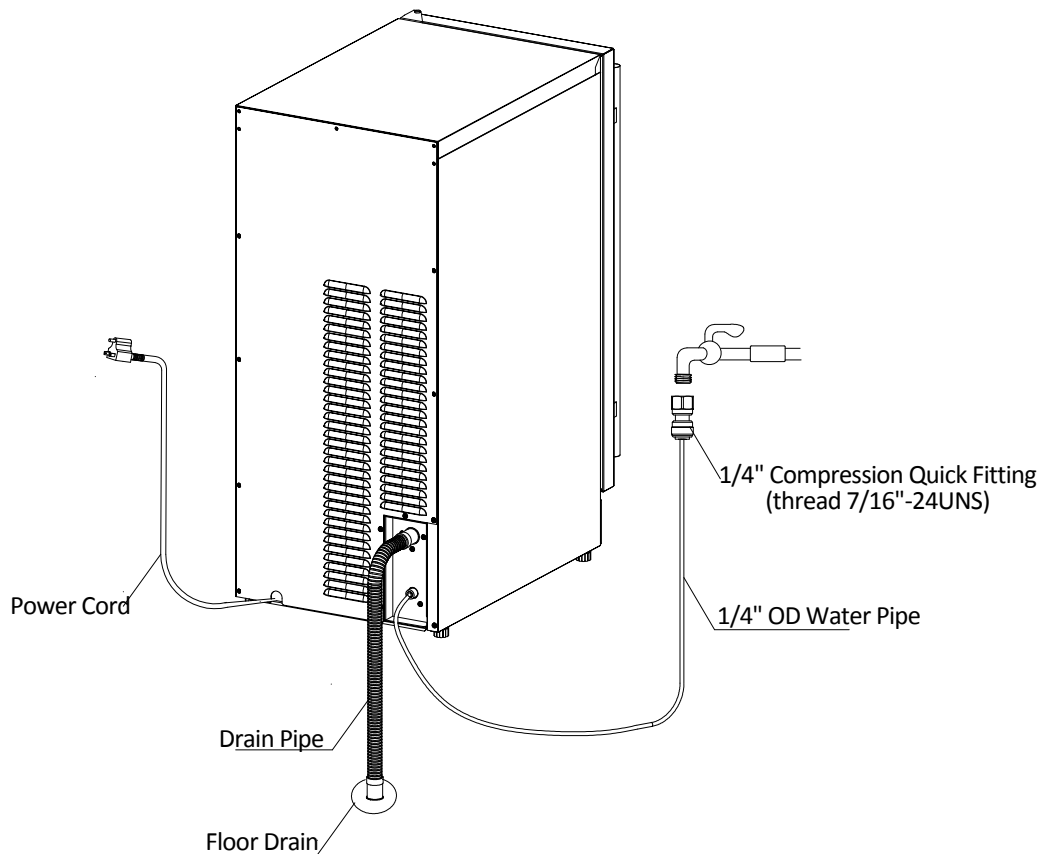
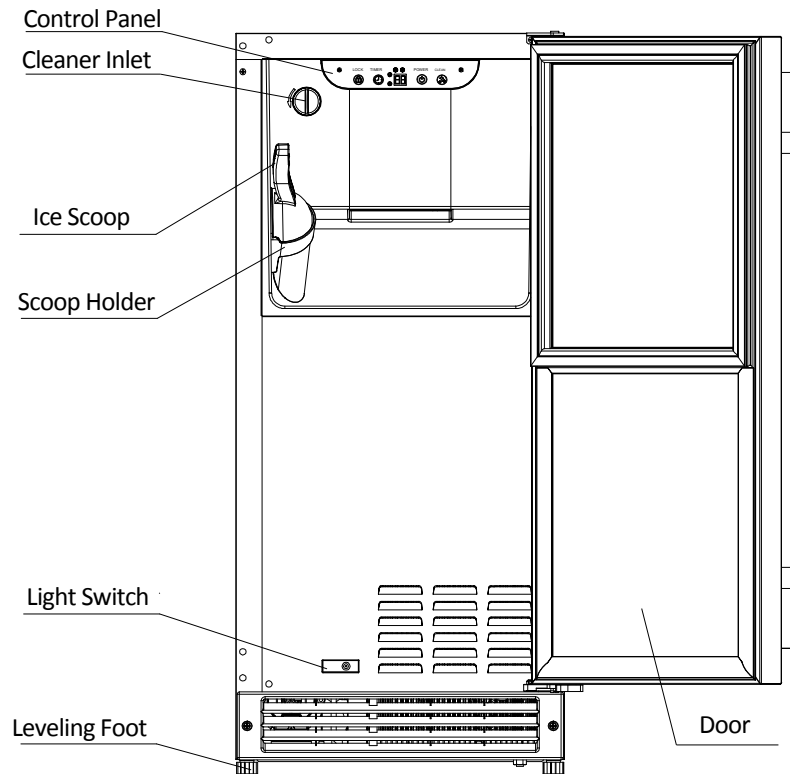


TDS Test Pen



Cleaning Components

COMPONENT LOCATIONS



ICE MAKER INSTALLATION

BEFORE USING YOUR ICE MAKER

Check to be sure that all of the following parts are included in the carton:

- 1 Ice coop
- 1 Drain Pipe
- 1 TDS Test Pen
- 1 Cleaning Components
- 1 1/4" Water Pipe with Quick Fitting
- 1 Left Latch Block
- 1 Left Latch Hook
- 1 User Manual

Water Examination

- Before Installation of Nugget Ice Machine please perform a TDS test of the water supply to determine water filtration needs.
- If TDS is above 400 an anti-scale in-line filter will be required for proper operation. Warranty will be void if in line filter is Not installed prior to installation.

PLUMBING AND ELECTRICAL TIPS

- A licensed plumber must install this appliance.
- This appliance must be installed with all electrical and water connections in accordance with state and local codes.
- This unit requires a standard electrical supply properly grounded in accordance with National Electrical Code and local codes and ordinances.
- The fuse (or circuit breaker) size should be 15 amperes for 115V.
- The manufacturer recommends that you provide a separate circuit that services only your appliance. Use receptacles that cannot be turned off by a switch or pull chain.
- Plug the appliance into a grounded three-prong outlet. Do not remove the grounding prong, do not use an adapter, and do not use an extension cord.
- Do not kink, pinch, or damage the power supply cord between the ice machine and wall or cabinet.
- Before connecting the ice machine to the power source, **let it stand upright for approximately 4 hours**. Following this step will reduce the possibility of a malfunction in the cooling system brought on by handling during transportation.
- Make sure to install on level surface and ensure drain line and waterline are not kinked.

TIPS ON MOVING AND SETTING UP THE UNIT

- Use two or more people to move and install the appliance. Failure to do so can result in back or other injury.
- Remove the packing materials and clean the appliance before using it.

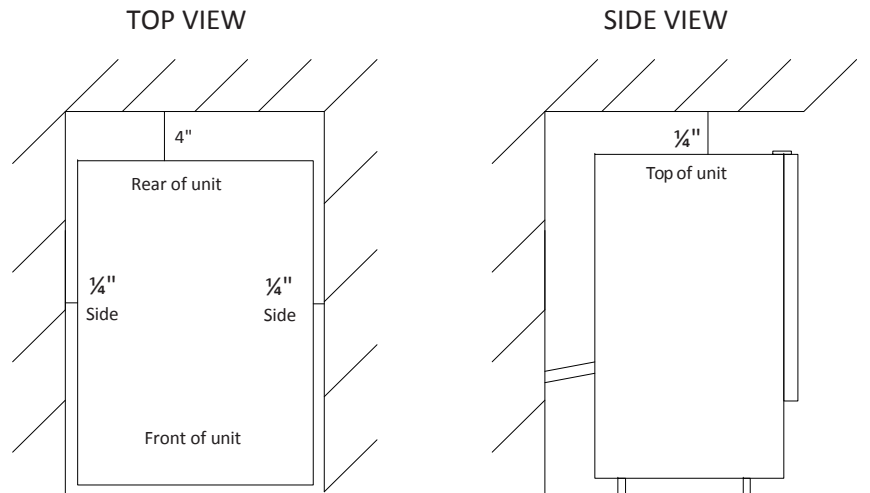
IMPORTANT: Do not remove any permanent instruction labels or the data label on your ice maker. Remove tape and glue from your ice maker before using.

- 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 "cleaning the unit's interior" in the *MAINTENANCE* section.

Location Requirements



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" (6.35mm) at top and sides for proper air circulation. The installation should allow the ice maker to be pulled forward for servicing if necessary.

INSTALLATION TYPES

This ice maker has been designed for Mobile (free-standing) installation. However, it can also be Enclosed (as under a cabinet) or Built-in (sealed to the floor). In any case, there must be adequate air space at the front of 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. You must follow the stated instructions for

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

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 maintained. This installation has the same requirements as a mobile installation.

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. Turn on main water supply and tap. Check for water supply connection leaks. Tighten every connection (including connection 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.

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

- 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" (102 mm) clearance at rear. The installation should allow the ice maker to be pulled forward for servicing if necessary.
- Choose a well ventilated area with room temperatures within the normal range. 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 ¼" (6.35mm) soft copper tubing with a shut-off valve.
- The ice maker requires a continuous water supply with a minimum pressure of 15 psig and a static pressure not to exceed 80 psig. The temperature of the water feeding into the ice maker should be between 50°F (10°C) and 90°F (32°C) for proper operation.

 WARNING

Operating temperature should be within the range of normal room temperatures. Normal operating water temperature should be between 50°F (10°C) and 90°F (32°C). Operation of the ice maker for extended periods out- side of these normal temperature ranges may affect production capacity.

WATER SUPPLY TIPS

- Check for leaks after connecting the water line.
- The ice machine requires a continuous water supply with a minimum pressure of 15 psig (0.103 MPa) and a static pressure not to exceed 80 psig (0.55 MPa).
- The manufacturer recommends filtering the water. A water filter helps remove taste, odors and particles. Using softened water may result in white, mushy cubes that stick together. Avoid using deionized water.
- Using a RO system may cause the water pressure to be lower than the minimum the ice machine requires.
- Ensure that the water supply hose is not pinched, kinked, or damaged during installation.

CONNECTING THE WATER SUPPLY

The water supply should be available at the point of installation. The water supply pressure should be a minimum of 15 psig (1 bar or 103 kPa) with a static pressure not more than 80 psig (5.5 bar or 551 kPa).

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

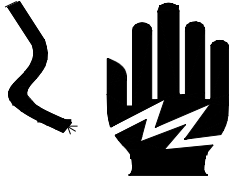
NOTE:

Installation 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.

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

ELECTRICAL REQUIREMENTS

 **DANGER**



Electrical Shock Hazard

Always disconnect power at the source before working on the unit. Failure to unplug the ice machine could result in electrical shock or personal injury.

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

ELECTRICAL CONNECTION

Do not, under any circumstances, cut or remove the third (ground) prong from the power cord. For personal safety, you must properly ground this appliance. The power cord of this appliance features a three-prong grounding plug that mates with a standard three-prong grounding wall outlet to minimize the possibility of electric shock hazard from the appliance. Have a qualified electrician check the wall outlet and circuit to make sure the outlet is properly grounded. It is your responsibility and obligation to have a standard two-prong wall outlet replaced with a properly grounded three-prong wall outlet.

Always plug the appliance into its own individual electrical outlet. The voltage rating of the outlet must match the rating label on the appliance. This match provides the best performance and prevents overloading the electrical circuits, which could cause a fire hazard from overheated wires. Never unplug your appliance 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 damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either end.

When moving the appliance, take care not to damage the power cord.

If the power supply cord suffers damage, have the manufacturer, its service agent, or similarly qualified persons replace the supply cord to avoid a hazard.

AVOIDING USE OF EXTENSION CORDS

Because of potential safety hazards under certain conditions, the manufacturer strongly recommends that you do not use an extension cord with this appliance.

DRAIN PUMP TEST

WARNING

Electrical Shock Hazard

Be sure the floor surfaces surrounding the appliance are dry before plugging in and removing the power cord to the outlet to prevent electrical shock.

Follow these steps to test the operation of the drain pump before final installation:

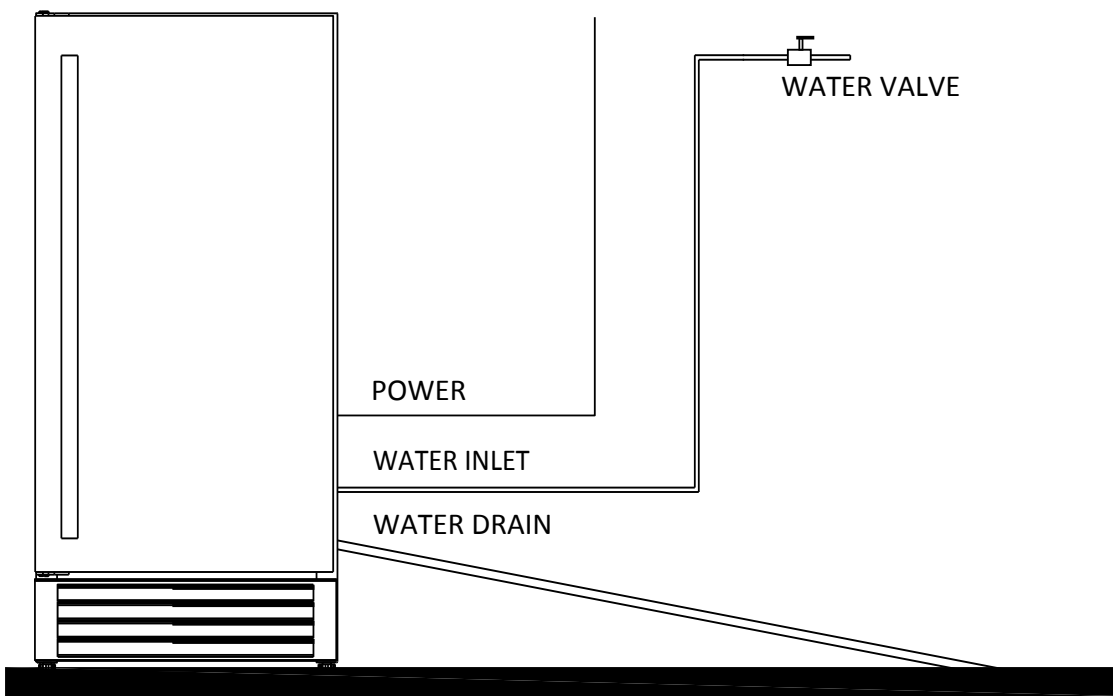
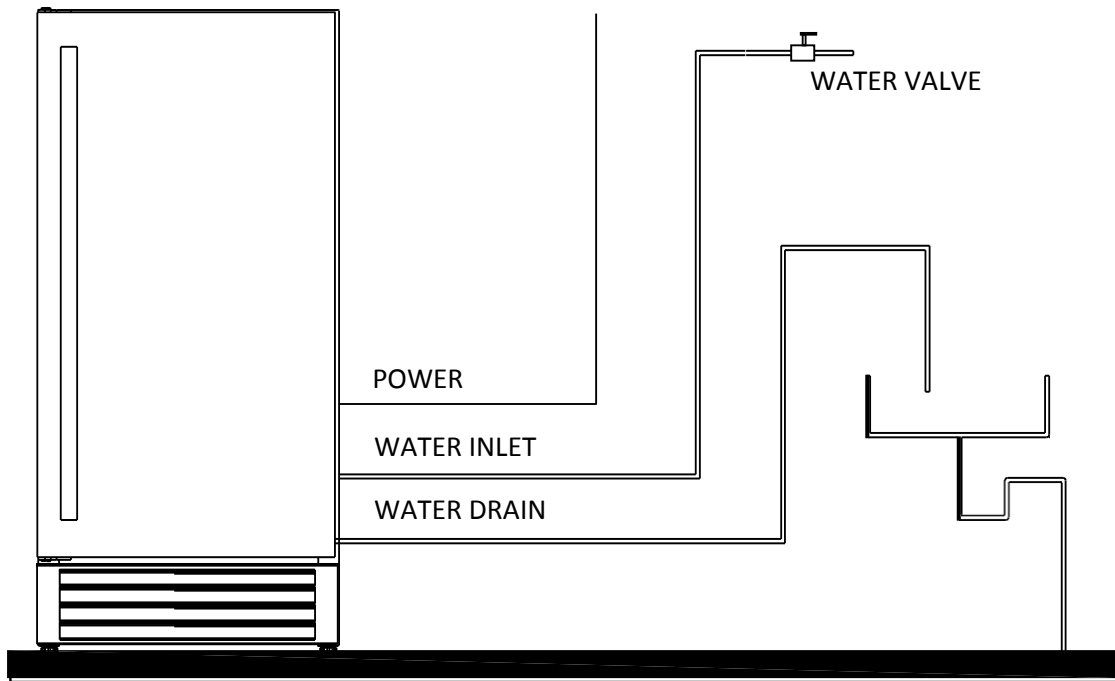
1. Check the power cord and make sure it is not plugged into the outlet.
2. Place the drain hose into a suitable container that can hold at least one gallon of water.
3. Pour one gallon of water into the ice storage bin.
4. Plug the power cord into a properly grounded, polarized electrical outlet.
5. The drain pump should start and pump the water from storage bin into the container. Continue until bin empties.
6. If water does not drain check power supply, confirm nothing is blocking water from drain.
7. Once water empties unplug the power cord and complete installation

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.

This unit 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 is to drain water to the drain line through the drain water hose provided with ice maker.

1. Locate the floor drain near the ice maker. The distance should be less than 5 feet since the length of the long drain water hose provided with the ice maker is about 5 feet.
2. Find the drain outlet on the back of ice maker. Connect the water draining hose to the drain outlet, and insert the other end of the hose into the drain line.
3. Pour 1 gallon of water into the ice storage bin to check for leaks in the drainage system. Tighten any connections that leak.

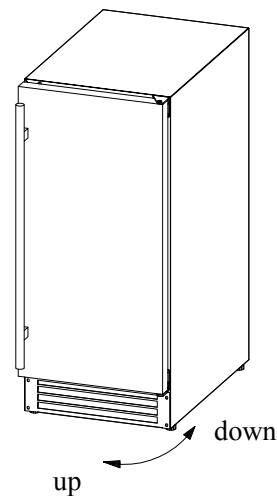
IMPORTANT: This ice maker is not a freezer. Infrequent drainage will cause a high rate of melting in the ice storage bin.

LEVELING THE UNIT

⚠ CAUTION

The unit will be significantly heavier once it is operational and fully loaded.

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. The unit 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.

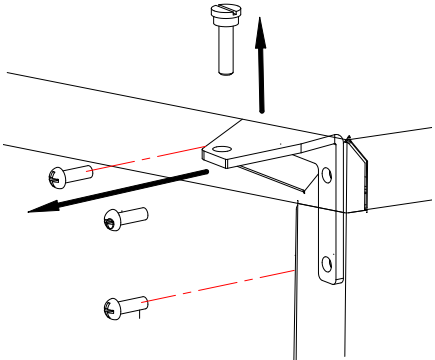
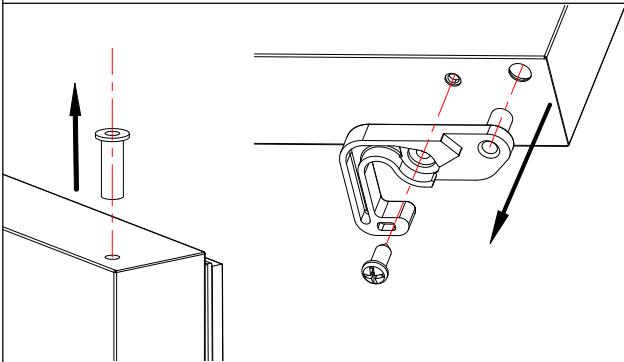
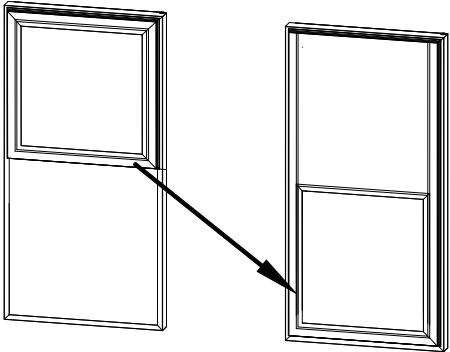
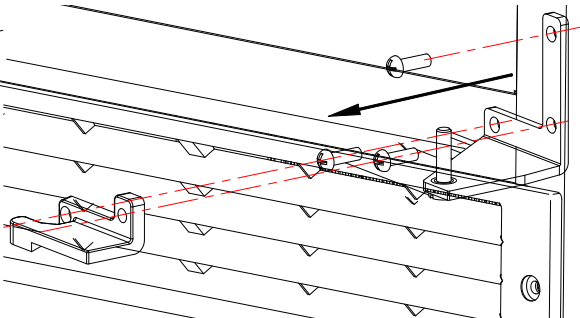


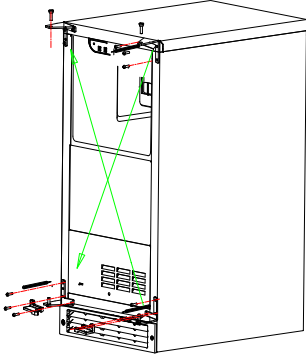
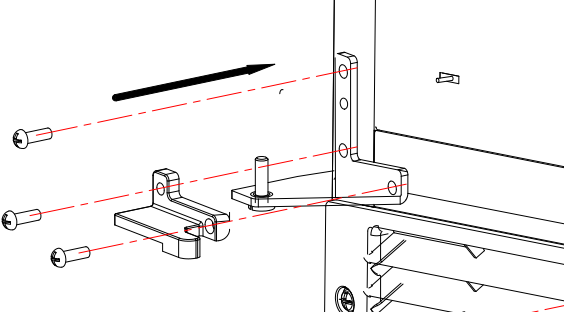
1. Place a carpenter's level on top of the unit to see if the ice maker is level from front to back and side to side.
2. Adjust the height of the casters as follows:
Turn the leveling casters to the right to lower that side of the ice maker.
Turn the leveling casters to the left to raise that side of the ice maker.

REVERSING THE DOOR

Tools needed: flathead screwdriver, Phillips screwdriver

IMPORTANT: Before you begin, make sure the ice machine is unplugged.

	1. Use the flathead screwdriver to unscrew the hinge pin from the top hinge, put it aside, then hold the door and lift to remove the door from the bottom hinge.
	2. The door will rotate 180° to reverse swing. First unscrew to remove the right latch hook from the bottom of the door and take out the pin sleeve from the top of the door. Then swap the sleeve pin location to the bottom of the door, find the left latch hook in the accessory bag and install it to the other side of the door.
	3. Carefully peel off the whole door gasket from any of the corners and remove the inserts in the other side of the door liner from the mounting groove, then swap their location, install the door gasket to the opposite side of the door and push the insert to the exposed mounting grooves. Now the door gasket has relocated.
	4. Use a Phillips screwdriver to unscrew the screws fixing the top and bottom hinges to uninstall them both. Take out the right latch block on the bottom hinge, keep the removed right latch kit for future use.

	5. Cross swap the hinge locations, install the bottom right hinge to the left top of the cabinet and the top right hinge to the left bottom of the cabinet. Cover the right mounting holes by the plugs just disassembled from the left.
	6. When installing the left bottom hinge, find the left latch block in the accessory bag, and install it with the bottom hinge. Also unscrew the hinge pin from the left top hinge for door installation.
7. Align the left latch block to the bottom hinge pin, insert the door. Align the pin sleeve on the top of the door to the top hinge and install the hinge pin, tighten firmly. The door reversing is complete.	

OPERATION

IMPORTANT: ENSURING ICE FRESHNESS AND QUALITY

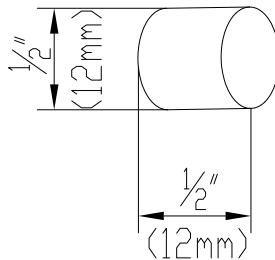
- Although the unit has been tested and cleaned at the factory, discard the first batch of ice cubes due to long-term transit and storage.
- If you do not use the ice machine regularly, the manufacturer recommends emptying the ice bin periodically to ensure ice freshness.
- The ice machine produces ice in layers resulting in a clear cube. The ice may appear wet when first produced. Ice in the bin may develop surface frost which appears when the cube is placed in liquid.

OTHER OPERATING TIPS

- Keep the air intake and exhaust free of dust and lint to allow free air flow. With hard water, cleaning may have to be more frequent.
- Never touch the evaporator when the unit is running.
- Keep the door closed to reduce ice melting and to promote proper ice formation. Open the door only when taking ice from the appliance.
- Turn on the water supply tap before switching on the ice machine. Never turn the water supply tap off when the ice machine is working.

ICE MACHINE PRODUCTION

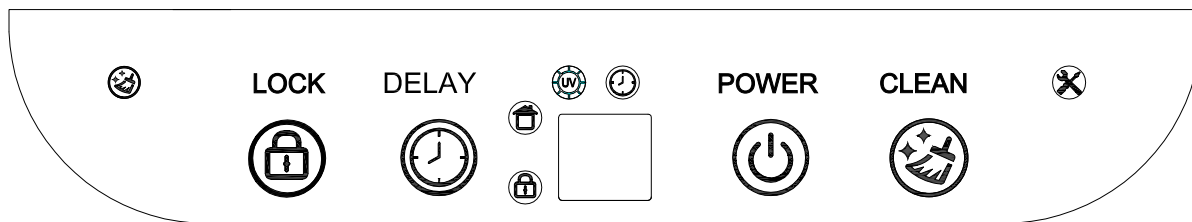
- The nugget ice machine will continuously be making ice.
- Dropping nugget cubes into the bin at random rates is normal operation.
- The ice production process will only stop when the bin is full and or the user stops production.



FINAL CHECK LIST BEFORE OPERATION

1. Have all packing materials and tape been removed from the interior and exterior of the ice maker?
2. Did you clean the ice storage bin?
3. Have the installation instructions been followed, including connecting the machine to water and electricity?
4. Has the machine been leveled?
5. Is the ice maker in a site where the ambient temperature is within the range of normal room temperatures and the water temperature between 50°F (10°C) and 90°F (32°C) all year round?
6. Has the water supply pressure been checked to ensure a minimum of 15 psig with a static pressure not to exceed 80 psig?
7. Has the power supply voltage been checked or tested against the nameplate rating? And has proper grounding been installed in the ice maker?
8. Is the ice maker plugged in?
9. Have you turned on the main water supply and tap?
10. Have you checked for leaks at all water supply connections?

USING THE CONTROLS



The control panel is located at the top of the cabinet. Including a display window, 4 buttons and 6 indicators.

FUNCTION		OPERATION
Turn ON 		Press the POWER button to turn ON the unit. The unit will automatically start making ice and display  on ice making and  on ice bin full. The UV indicator lights during ice making.
Turn OFF		Press and hold the POWER button over 3 seconds to turn OFF the unit. The unit will Standby and display .
Delay Ice Making 		Press and hold the DELAY button over 3 seconds on Standby to toggle ON/OFF the timed ice making. Once ON, Continuously press. Capitalize as indicated below. to select from 2 to 12 hour delay(2 hours interval) for the timer. The setting will auto-save after 10 seconds, then the window will display the countdown time in hours, and the Timer indicator will light. <i>*Press POWER again to cancel the countdown and immediately start ice making.</i>
Clean 		Press and hold the CLEAN button over 3 seconds to turn ON/OFF the Cleaning Function. Once started, window will display , and the clean cycle will run for 30 minutes and then exit and standby. The clean indicator will light during the cycle. <i>*Clean only available on Standby, and requires nickle safe ice machine cleaner.</i>

FUNCTION		OPERATION
Showroomm 	 	Press and hold the DELAY and CLEAN button over 6 seconds on Standby to toggle on/off the Showroom Mode. The Showroom indicator will light. This mode is for retailers to display the unit. The lights, controllers, and evaporator fan will function in this mode, but the unit will not produce ice and all alarms will be disabled except the door open alarm.
Sabbath	 	Press and hold the LOCK and CLEAN button over 6 seconds to Toggle Sabbath Mode ON/OFF. On Sabbath mode, display & light will be shut off, and audible sounds are also disabled.
Screen Llock 		Press and hold the LOCK button over 3 seconds to lock the screen. Press again to unlock. The lock indicator will light when the screen is locked.
TDS display *	 	Press and hold the LOCK and POWER button over 3 seconds to display the hundreds and tens digits of the TDS. The unit is monitoring the TDS by default. If the displayed number is higher than 40 (meaning the TDS is higher than 400!), to filter calcium and magnesium and prevent scale buildup, an anti-scale in-line filter or water softener is necessary!

EXPECTING NORMAL SOUNDS

Your new ice machine may make sounds that are not familiar to you. Hard surfaces like the floor and 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 the source of those sounds:

- The high-efficiency compressor may make a pulsating or high-pitched sound.
- Water running from the evaporator to the water reservoir may make a splashing sound.
- As each cycle ends, you may hear a gurgling sound due to the refrigerant flowing in your ice machine.
- Rattling noises may come from the flow of the refrigerant, the water line or items stored on top of the machine.
- You may hear the sound of the condenser fan forcing air over the condenser.
- During the harvest cycle, you may hear the sound of ice cubes falling into the ice bin.

PANEL DISPLAY NOTIFICATION

Below notifications will sound the alarm except the Ice Bin Full Stop.

Self-diagnosis Pass		Only displays on the beginning of the working cycle.
Ice Full Stop		If the ice storage bin is full, the unit will automatically stop. Remove the ice and the unit will start making ice after 3 minutes.
Door Ajar Alarm		If the door is not closed completely for 5 minutes, the panel will begin flashing 'dr' with alarm sound. This alert is automatically cleared when the door is closed or any button is pressed.
Clean Reminder		When the unit has worked for approximately 6 months without running the CLEANING program, the panel will be flashing 'CL' as the reminder. Run CLEAN CYCLE to clear the alarm.

FAULT ALARM AND ERROR CODES

When the unit detects an error, it will sound the alarm with the ALARM indicator flashing and display the below error codes. Please provide the error codes when contacting service.

 FAULT ALARM	ERROR CODES
Evaporator temperature sensor failure	
Condenser temperature sensor failure	
ICE FULL temperature sensor failure	
Lack of water alarm	
Ice Making Overtime	
Ice Full Protection Sensor Failure	
Drain pump failure	
High ambient temperature	
Motor Failure	

The ice machine will keep running on E1, E2 error with the RUN indicator flashing and will completely stop working on the rest of the errors. Check "troubleshooting" for easy self-diagnosis to try clearing some error codes.

MAINTENANCE

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

- Periodically vacuum dust and dirt from the condenser, which is located behind the grill at the bottom front of the unit.
- Regularly inspect plumbing connections to ensure that no leaks exist.
- Disconnect the water supply hose if the ice machine will not be used for a long period of time.
- Never keep anything in the ice storage bin that is not ice. Objects such as wine and beer bottles are not sanitary.

CLEANING THE UNIT'S EXTERIOR

Clean the door and cabinet with a mild detergent and warm-water solution, such as 1oz. (28g) of Cleaneing Solution mixed with 2 gallons of warm water. Do not use solvent-based or abrasive cleaners. Use a soft sponge and rinse the unit with clean water. Wipe the unit with a soft, clean towel to prevent water spotting.

Clean stainless steel with a mild detergent, a warm-water solution and a damp cloth. Never use an abrasive cleaning agent.

CLEANING THE UNIT'S INTERIOR

When necessary, defrost and thoroughly clean the inside of the unit with mild soap and water.

When leaving the unit turned off, leave the door open. Leaving the door open allows air to dry the inside of the cabinet, reducing the chance for mildew and damage to the mold mechanism's components.

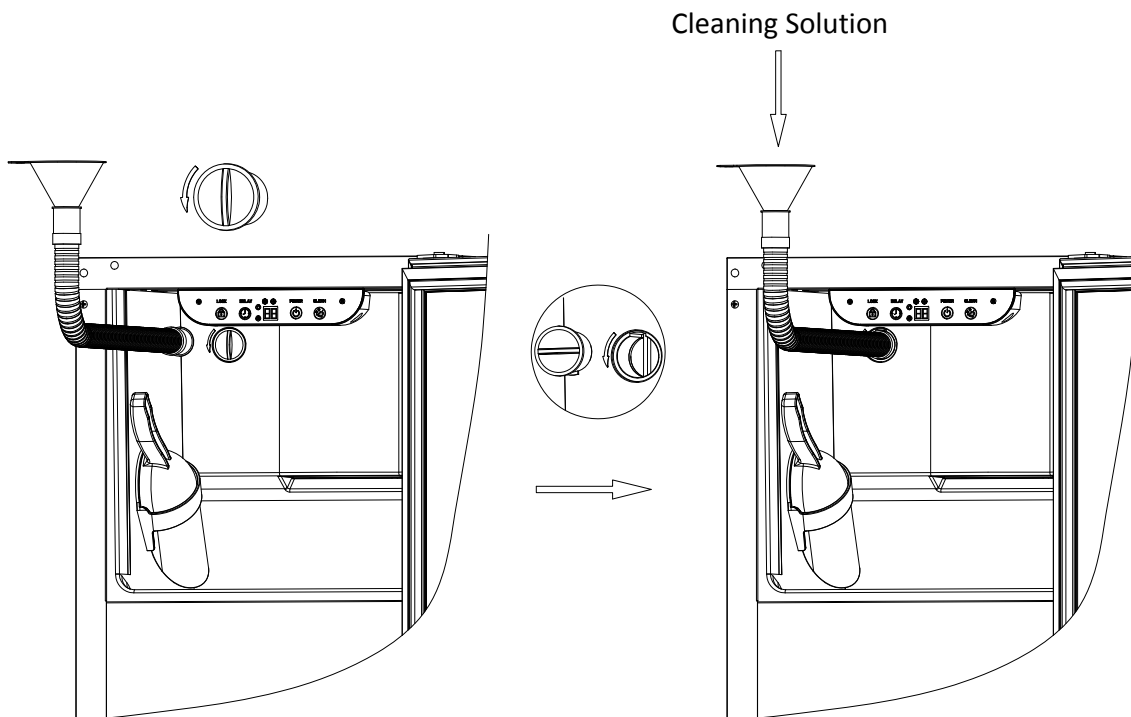
Interior cleaning is required before first-time use or start up from long- term storage. Also, Monthly cleaning is recommended.

1. Prepare Before Running The CLEAN Program

Turn the unit OFF by pressing the Power button over 3 seconds and then remove all ice from the cabinet. Allow at least 4 minutes for the remaining water to drain out of the unit. Locate the knob on the up-left side of the cabinet, turn 90 degrees counter-clockwise and pull it out. Insert the cleaning tube into the inlet hole.

Prepare the nickel safe ice machine cleaner but DO NOT ADD CLEANING SOLUTION YET.

Note: The total volume of cleaning solution required is approx 0.13 gal. for cleaner/water mix ratio. Please refer to the cleaning solution instructions.



2. Run the Clean program and add Cleaning Solution

Press and hold the CLEAN button over 3 seconds to start the Clean program, then hold the funnel and **pour in the cleaning solution within the first 3 minutes of the cleaning cycle**, then remove the tube and reinstall the knob.

3. After Clean Program

After cleaning, the ice machine will back to standby mode. 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. Press the Power button again. The ice maker will return to the regular ice making mode. Discard the first batch of ice.

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 the product's Limited Warranty and creating potential health hazard.

1. Turn off the water at the main water source.
2. Disconnect the water supply line from the water inlet of the ice machine.
3. Turn off the electric supply at the main power source. Remove the power cord from the electrical outlet.
4. Remove any remaining ice from the storage bin.
5. Press and hold the CLEAN buttons over 3 seconds to run the clean program, drain out the wastewater.
6. Leave the door open to allow for circulation and prevent mold and mildew.
7. Leave the water supply line disconnected and the power cord unplugged until ready to 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. Connect the water supply lines, turn on the water, check for leaks, and then restore power to the unit.
2. Once water has filled the trough, ice making cycles will commence.

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 supply 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. After the unit purges air from the lines, normal harvesting and refilling occur every 40 minutes or less, under normal conditions.

CLEANING THE CONDENSER



WARNING

Electrical Shock Hazard

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



CAUTION

Sharp Object Hazard

DO NOT touch the condenser surface. The condenser has sharp edges and can be easily damaged.

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. Clean the condenser or have it cleaned at least once every six months.

1. Unplug the appliance or disconnect power.
2. Remove the two screws under the front of the unit. Gently pull on the grill and remove it.
3. Remove dirt and lint from the condenser and the unit compartment with the brush attachment of a vacuum cleaner.
4. Position the grill on the unit and secure it with the two screws.
5. Plug in the ice machine or reconnect power.

COMPLETE WINTERIZATION OF THE UNIT

If the outdoor ice machine will be exposed to temperatures of 40°F (4.4°C) or less, perform below steps to winterize your ice machine that will keep it in good condition while facing the winter elements. It is important to clean and dry this appliance to prevent severe mold and mildew growth from engulfing the unit's interior.

1. Perform the cleaning and sanitizing procedure to prevent mildew growth.
2. Remove all ice from the storage bin of ice machine.
3. Turn off the water at the main water source.
4. Disconnect the water supply line from the water inlet of the ice machine.
5. Press and hold the CLEAN buttons over 3 seconds to run the clean program to drain out wastewater.
6. Press the Power button to turn the ice machine on.
7. Blow out the water supply line and the internal water circuit. Note: This procedure is necessary to protect the Ice Maker from freezing up at subfreezing temperature.

8. Drain pump models should have about 1/2 gallon of RV antifreeze (propylene glycol) poured into the ice storage bin drain. Note: Automotive antifreeze must NOT be used.
9. Switch off and unplug the machine. It is also recommended that the power to the outlet be turned-off if the circuit is not required for other items during the Winter season.
10. Place all cords in a small bag or tie them together with a piece of scrap cloth.
11. If necessary, move the unit so you can gain access to the rear of the product.
12. Remove the front toe kick, and use a brush and vacuum to clean dirt and debris from beneath the unit. Thoroughly clean the toe kick and re-install on the unit.
13. Remove the rear access cover, and use a brush and vacuum to clean dirt and debris from the machine compartment.
14. Thoroughly clean the rear access cover and re-install on the unit.
15. Clean the exterior and interior of the ice machine thoroughly. Wipe down and dry the ice machine with rags or paper towels after it has been cleaned. Ensure all water has been removed from the unit.
16. Leave the door open to prevent formation of mold and mildew. Open door a minimum of 2" (50 mm) to provide the necessary ventilation.
17. Do not cover the unit. As this can trap condensation. If you are concerned about exposure to the elements, use a synthetic cover that will not hold moisture to protect the appliance, though the door should remain open as much as possible.
18. After completion of the above, you may choose to store the unit indoors, although this is not required

START-UP AFTER LONG TERM STORAGE

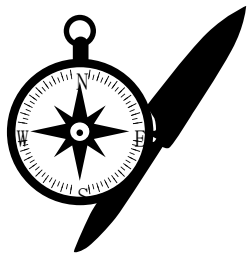
1. If stored outside, it is recommended that the unit again be thoroughly inspected per the storage instructions above to address any dirt or debris from the weather and/or animals/insects.
2. Connect the water supply lines, turn on the water, check for leaks.
3. Reconnect drain tubing if removed.
4. Plug in the power cord to a wall outlet and turn the ice machine on.
5. Check drain pump (if equipped) operation by pouring approximately two (2) quarts of water into the ice storage bin. The drain pump should activate and discharge water. Check for water leaks at all hose connections.
6. Perform the cleaning and sanitizing procedure.
7. Press the power button to start ice making.
8. Discard the first batch of ice.

TROUBLESHOOTING

Before Calling for Service: If the unit appears to be malfunctioning, read through the “Operating the unit” section of this manual first. If the issue persists, check the Troubleshooting Guide below. Some of the problems mentioned in the Troubleshooting Guide can be solved easily without a service call.

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
The machine won't operate.	- The ice machine is unplugged. - The ice machine power switch is OFF. - The ice storage bin is full of ice.	- Plug the ice machine in. - Verify that the control unit is properly programmed. - Take away some ice cubes; make sure the “ice full” probe is free of ice.
The compressor works abnormally with a buzzing noise.	The voltage is lower than recommended.	Stop the ice machine and do not restart until the voltage is normal.
The water doesn't feed in after the ice machine starts.	- The water supply is turned off. - The water supply pipe is not properly connected.	- Turn on the water supply tap. - Reconnect the water supply pipe.
Machine makes ice, but bin does not fill up with ice.	- The condenser may be dirty. - The air flow to the ice machine may be obstructed. - The ambient temperature and water temperature are high, or it is near with some heat source.	- Clean the condenser. - Check the installation. - Run the unit for a longer period of time.
Water is leaking out of the unit.	- A few water droplets are on the door. - The water supply connection is leaking.	- Under some conditions, humidity may condense on the door. Consider moving the unit or just be more careful when you open the door. - Tighten water supply hose fitting.
The machine makes ice, but at a very slow rate.	- The condenser may be dirty. Scale formation in water system, will lower the ice production - The ambient temperature and water temperature are high, or unit is near some heat source.	- Clean the condenser and water system. - Check the installation to ensure the ambient temperature is in the proper range.
Noise during operation.	- The feet are not leveled. - Certain sounds are normal.	- Level the feet. See “Leveling the Unit”. - See “Expecting Normal Sounds” .

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
The ice is melting quickly.	- The door gasket does not seal properly. - The ambient temperature is high, or the unit is near a heat source.	- Close the door. - Check the installation to ensure the ambient temperature is in the proper range.
Conditions for ice-making cycle are right but no ice is made.	The refrigerant leaks and/or the sealed system is blocked.	Contact Service
The ice machine stops suddenly while making ice.	- The electricity is off. - The room temperature is out of the stated range.	- Reconnect the power supply line. - Cut off the electricity and let the ice machine stop working until the temperature returns within the stated range.
The body of the ice machine is electrified.	The ground line is not in the sockets.	Use the correct plug and outlet.
Scale builds up quickly inside the machine.	The calcium level in the water is too high.	Use a water-softening apparatus installed in front of the water inlet valve.



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