



Outdoor Ice Machine Installation and Instruction Manual

GIMR15

15" OUTDOOR ICE MACHINE RIGHT HINGE

GIML15

15" OUTDOOR ICE MACHINE LEFT HINGE

⚠ WARNING

Only qualified service technicians should install and service the ice machine. To obtain the name and phone number of your local Hestan Certified Service Representative, visit www.hestanoutdoor.com. No installation or service should be undertaken until the technician has thoroughly read this Instruction Manual. Likewise, the owner/manager should not proceed to operate the ice machine until the installer has instructed them on its proper operation. Failure to install, operate, and maintain the ice machine in accordance with this manual will adversely affect safety, performance, component life, and warranty coverage and may result in costly water damage. Proper installation is the responsibility of the installer. Product failure or property damage due to improper installation is not covered under warranty.

Hestan provides this manual primarily to assist qualified service technicians in the installation, maintenance, and service of the ice machine.

Should the reader have any questions or concerns which have not been satisfactorily addressed, please call, send an e-mail message, or write to the Hestan Technical Support Department for assistance.

Phone: 1-888-905-7463

E-mail: outdoorwarranty@hestan.com

Hestan Commercial
3375 E. La Palma Ave.
Anaheim, CA 92806
Web Site: www.hestanoutdoor.com

NOTE: To expedite assistance, all correspondence/communication **MUST** include the following information:

- Model Number _____
- Serial Number _____
- Complete and detailed explanation of the problem.

IMPORTANT

This manual should be read carefully before the ice machine is installed and operated. Read the warnings and guidelines contained in this booklet carefully as they provide essential information for the continued safe use and maintenance of the ice machine. Retain this booklet for any further reference that may be necessary.

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Important Safety Information

Throughout this manual, notices appear to bring your attention to situations which could result in death, serious injury, damage to the appliance, or damage to property.

⚠ WARNING Indicates a hazardous situation which could result in death or serious injury.

NOTICE Indicates a situation which could result in damage to the appliance or property.

IMPORTANT Indicates important information about the installation, use, and care of the appliance.

⚠ WARNING

This ice machine should be destined only to the use for which it has been expressly conceived. Any other use should be considered improper and therefore dangerous. The manufacturer cannot be held responsible for injury or damage resulting from improper, incorrect, and unreasonable use. Failure to install, operate, and maintain the ice machine in accordance with this manual will adversely affect safety, performance, component life, and warranty coverage and may result in costly water damage.

To reduce the risk of death, electric shock, serious injury, or fire, follow basic precautions including the following:

- Only qualified service technicians should install and service this ice machine.
- This ice machine must be installed in accordance with applicable national, state, and local codes and regulations.
- This ice machine requires an independent power supply of proper capacity. See the nameplate for electrical specifications. Failure to use an independent power supply of proper capacity can result in a tripped breaker, blown fuse, damage to existing wiring, or component failure. This could lead to heat generation or fire.
- **THIS ICE MACHINE MUST BE GROUNDED:** This ice machine is equipped with a NEMA 5-15 three-prong grounding plug  to reduce the risk of potential shock hazards. It must be plugged into a properly grounded, independent 3-prong wall outlet. If the outlet is a 2-prong outlet, it is your personal responsibility to have a qualified electrician replace it with a properly grounded, independent 3-prong wall outlet. Do not remove the ground prong from the power cord and do not use an adapter plug.
- Do not use an extension cord.
- To reduce the risk of electric shock, make sure the control switch is in the "OFF" position before plugging in or unplugging the ice machine.
- To reduce the risk of electric shock, do not touch the control switch or plug with damp hands.
- Do not use an ice machine with a damaged power cord. The power cord should not be altered, jerked, bundled, weighed down, pinched, or tangled. Such actions could result in electric shock or fire. To unplug the ice machine, be sure to pull the plug, not the cord, and do not jerk the cord.
- Do not make any alterations to the ice machine. Alterations could result in electric shock, injury, fire, or damage to the ice machine.

⚠ WARNING, continued

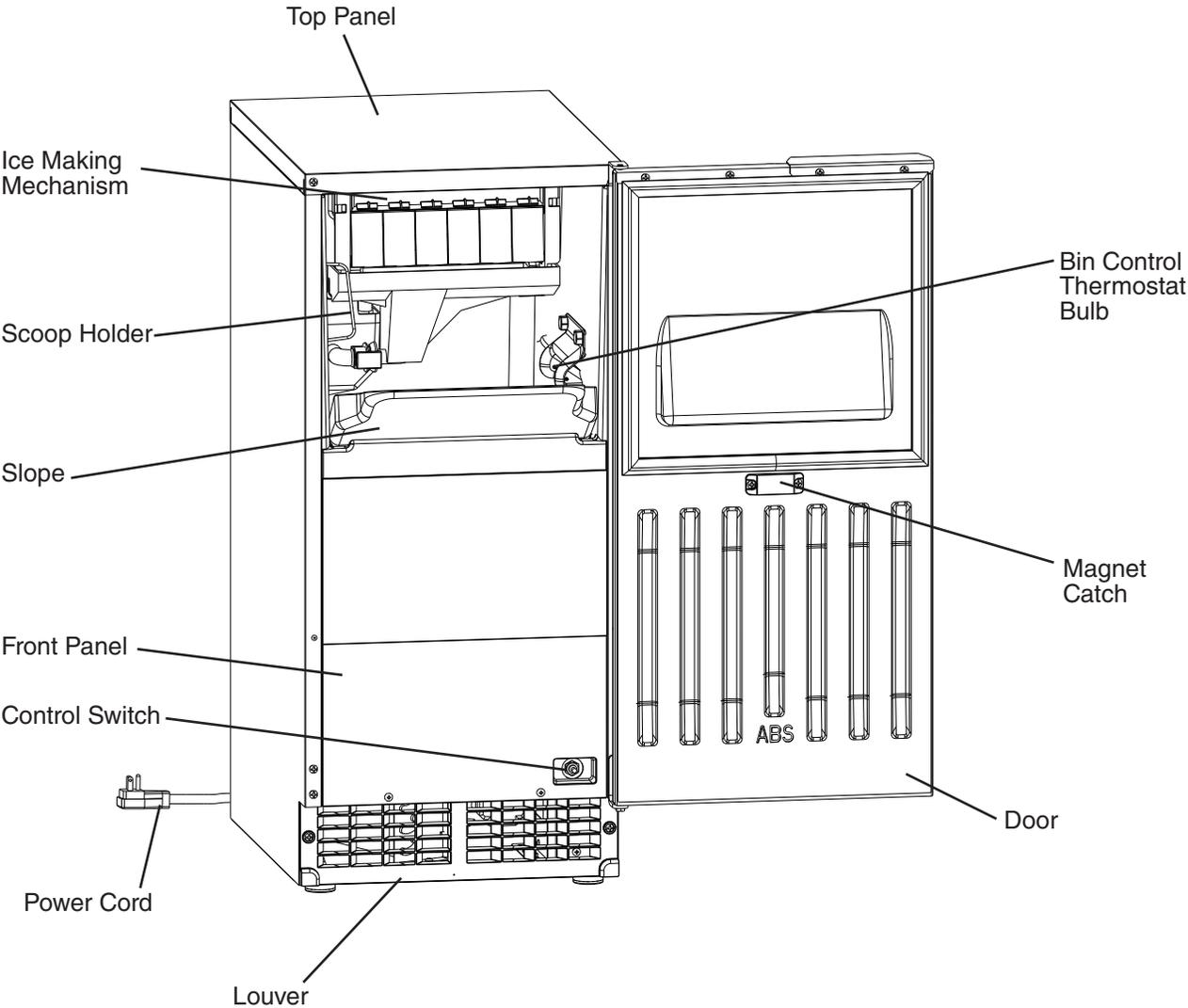
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be properly supervised around this appliance.
- Do not climb, stand, or hang on the ice machine door or allow children or animals to do so. Serious injury could occur or the ice machine could be damaged.
- Be careful not to pinch fingers when opening and closing the door. Be careful when opening and closing the door when children are in the area.
- Do not use combustible spray or place volatile or flammable substances near the ice machine. They might catch fire.
- Keep the area around the ice machine clean. Dirt, dust, or insects in the ice machine could cause harm to individuals or damage to the ice machine.

NOTICE

- Protect the floor when moving the ice machine to prevent damage to the floor.
- Follow the water supply, drain connection, and maintenance instructions carefully to reduce the risk of costly water damage.
- In areas where water damage is a concern, install in a contained area with a floor drain.
- Install the ice machine in a location that stays above freezing. Normal operating ambient temperature must be within 45°F to 100°F (7°C to 38°C).
- If using the optional drain pump (AGDP), test its operation every time the ice machine is cleaned and sanitized. See "IV.E. Optional Drain Pump AGDP" for details. If the optional drain pump is not operating properly, water could back up and overflow, leading to costly water damage.
- To help ensure that the storage bin drain remains clear, follow the instructions in "IV.C. Storage Bin Drain" once every 3 months or as often as necessary for conditions. If the storage bin drain becomes clogged, water could build up in the bin and overflow, leading to costly water damage.
- If water collects in the bin and will not drain, turn off the ice machine and close the water supply line shut-off valve. Call for service.
- Do not leave the ice machine on during extended periods of non-use, extended absences, or in sub-freezing temperatures. To properly prepare the ice machine for these occasions, follow the instructions in "V. Preparing the ice machine for Periods of Non-Use."
- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not place objects on top of the ice machine.
- The storage bin is for ice use only. Do not store anything else in the storage bin.

I. Specifications

A. Construction



B. Electrical Data

HESTAN ICE MACHINE	
MODEL NUMBER	GIM_15
SERIAL NUMBER	
AC SUPPLY VOLTAGE	115-120/60/1
AMPERES	3.8 AMPS
DESIGN PRESSURE	HI-240PSI LO-120PSI
REFRIGERANT	134a 4.2 OZ.

**MOTOR-COMPRESSOR THERMALLY PROTECTED
APPROVED FOR OUTDOOR USE**

**Hestan Commercial
Anaheim, CA
www.hestanoutdoor.com**

**For certification marks, see the nameplate
inside the storage bin.**

Note: In the "MODEL NUMBER" the _ references either a (L) Left or (R) Right hinge model

See the nameplate for electrical and refrigeration specifications. The nameplate is located inside the storage bin.

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

II. Installation Instructions

⚠ WARNING

- This ice machine must be installed in accordance with applicable national, state, and local codes and regulations.
- **CHOKING HAZARD:** Ensure all components, fasteners, and thumbscrews are securely in place after installation. Make sure that none have fallen into the storage bin.

A. Checks Before Installation

- Visually inspect the exterior of the shipping container and immediately report any damage to the carrier. Upon opening the container, any concealed damage should also be immediately reported to the carrier.
- Remove the shipping carton, tape, and packing material. If any are left in the ice machine, it will not work properly.
- Remove the package containing the accessories.
- Remove the protective plastic film from the panels. If the ice machine is exposed to the sun or to heat, remove the film after the ice machine cools.
- See the nameplate inside the storage bin, and check that your voltage supplied corresponds with the voltage specified on the nameplate.

B. Location

1. General

This ice machine is approved for indoor or outdoor use.

NOTICE

- Normal operating ambient temperature must be within 45°F to 100°F (7°C to 38°C); Normal operating water temperature must be within 45°F to 95°F (7°C to 35°C). Operation of the ice machine, for extended periods, outside of these normal temperature ranges may affect ice machine performance.
- This ice machine will not work at sub-freezing temperatures. To prevent damage to the water supply line, drain the ice machine if the air temperature is going to go below 32°F (0°C). See "V. Preparing the Ice machine for Periods of Non-Use."

For best operating results:

- The ice machine should not be located next to ovens, grills, or other high heat producing equipment.
- The location must provide a firm foundation for the ice machine.
- This ice machine requires no side or top clearance. But allow enough space at rear for water supply and drain connections and at least 15" (38 cm) clearance at front.
- The ice machine must be at floor level on a finished floor even if under a cabinet. In areas where water damage is a concern, install in a contained area with a floor drain.

2. Built-In Installation Site

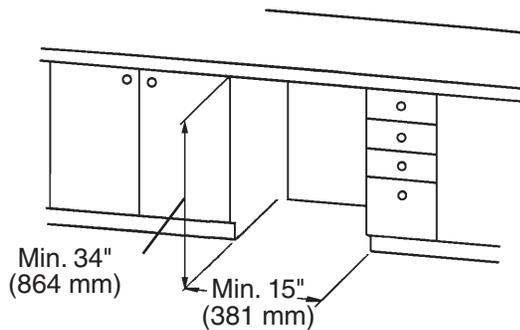
NOTICE

- Do not let the weight of the counter rest on the ice machine.
- Do not install the ice machine in a corner where the door will interfere with other equipment or where the ice machine cannot be pulled out for service.

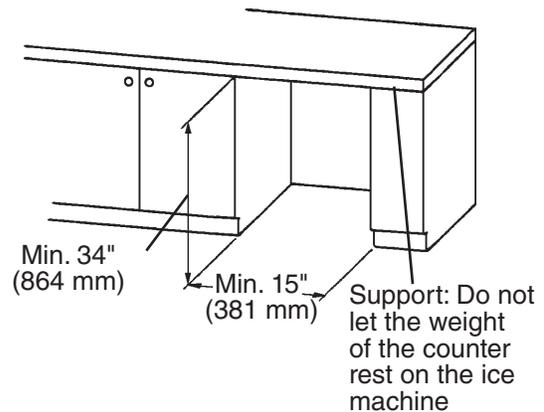
Installation Space

Model	Height	Width	Depth
GIM_15	34" (864 mm) minimum	15" (381 mm) minimum	24" (610 mm) minimum

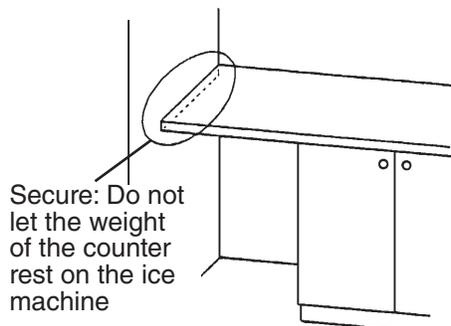
Between Two Cabinets



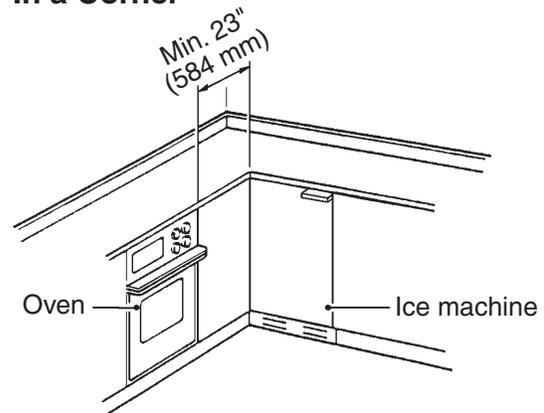
Between a Cabinet and the End of a Counter



Between a Cabinet and a Wall or Tall Cabinet



In a Corner



C. Setup

- 1) Position the ice machine in the selected permanent location.
- 2) Level the ice machine from side-to-side and front-to-rear by adjusting the feet.

D. Electrical Connection

WARNING

- Electrical connection must meet national, state, and local electrical code requirements. Failure to meet these code requirements could result in death, electric shock, serious injury, fire, or severe damage to equipment.
 - This ice machine requires an independent power supply of proper capacity. See the nameplate for electrical specifications. Failure to use an independent power supply of proper capacity can result in a tripped breaker, blown fuse, damage to existing wiring, or component failure. This could lead to heat generation or fire.
 - **THIS ICE MACHINE MUST BE GROUNDED:** This ice machine is equipped with a NEMA 5-15 three-prong grounding plug  to reduce the risk of potential shock hazards. It must be plugged into a properly grounded, independent 3-prong wall outlet. If the outlet is a 2-prong outlet, it is your personal responsibility to have a qualified electrician replace it with a properly grounded, independent 3-prong wall outlet. Do not remove the ground prong from the power cord and do not use an adapter plug. Failure to follow these instructions may result in death, electric shock, or fire.
 - Do not use an extension cord.
 - To reduce the risk of electric shock, make sure the control switch is in the "OFF" position before plugging in or unplugging the ice machine.
 - To reduce the risk of electric shock, do not touch the control switch or plug with damp hands.
 - Do not use an ice machine with a damaged power cord. The power cord should not be altered, jerked, bundled, weighed down, pinched, or tangled. Such actions could result in electric shock or fire. To unplug the ice machine, be sure to pull the plug, not the cord, and do not jerk the cord.
 - The GREEN ground wire in the factory-installed power cord is connected to a screw on the rear panel where the power cord enters the ice machine. If it becomes necessary to remove or replace the power cord, be sure to connect the power cord's ground wire to this screw upon reattachment.
- Usually an electrical permit and services of a licensed electrician are required.
 - The maximum allowable voltage variation is ± 10 percent of the nameplate rating.
 - For optional drain pump (AGDP) installation, refer to the instructions included with the pump.

E. Water Supply and Drain Connections

⚠ WARNING

Water supply and drain connections must be installed in accordance with applicable national, state, and local regulations.

NOTICE

- Normal operating water temperature must be within 45°F to 95°F (7°C to 35°C). Operation of the ice machine, for extended periods, outside of this normal temperature range may affect ice machine performance.
- To prevent damage to the ice machine, do not operate the ice machine when the water supply is off, or if the pressure is below 10 PSIG. Do not run the ice machine until the proper water pressure is reached.
- Connect to potable water supply only. Do not connect to a hot-water supply.
- In areas where water damage is a concern, install in a contained area with a floor drain.
- Water line installation to the ice machine is not warranted by Hestan.
- Water-hammer issues must be resolved by a qualified plumber before installing the ice machine. Water hammer can cause ice machine damage that may lead to water leakage or flooding.
- If using the optional drain pump (AGDP), test its operation every time the ice machine is cleaned and sanitized. See "IV.E. Optional Drain Pump AGDP" for details. If the optional drain pump is not operating properly, water could back up and overflow, leading to costly water damage.

- A plumbing permit and services of a licensed plumber may be required in some areas.
- External filters, strainers, or softeners may be required depending on water quality. Contact your local Hestan Certified Service Representative for recommendations.
- Water supply inlet is 1/2" female pipe thread (FPT).

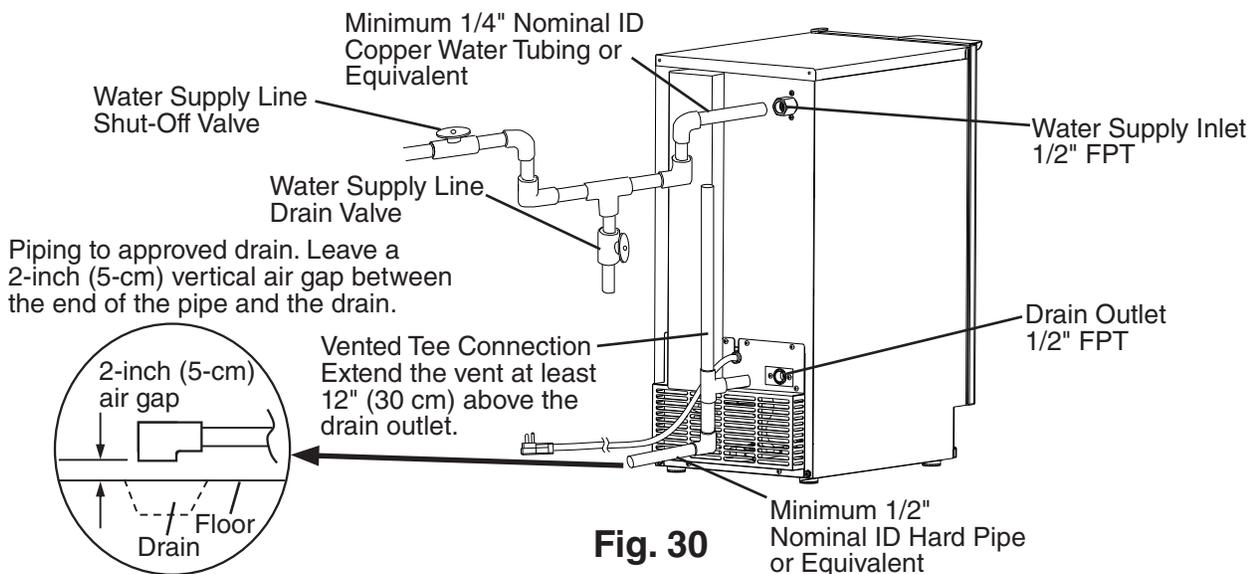


Fig. 30

- A water supply line shut-off valve and drain valve must be installed. A minimum of 1/4" nominal ID copper water tubing or equivalent is required for the water supply line. Be sure there is sufficient extra water supply line for the unit to be pulled out for service.
- Water supply pressure must be a minimum of 10 PSIG and a maximum of 113 PSIG. If the pressure exceeds 113 PSIG, the use of a pressure reducing valve is required.
- Drain outlet is 1/2" FPT. A minimum of 1/2" nominal ID hard pipe or equivalent is required for the drain line. Installing a smaller diameter drain line will reduce water flow and may lead to water leakage or flooding. Be sure there is sufficient extra drain line for the unit to be pulled out for service.
- Drain line should not be piped directly to the sewer system. An air gap of a minimum of 2 vertical inches (5 cm) must be between the end of the drain pipe from the ice machine and the floor drain.
- For gravity drain installation, drain must have 1/4" fall per foot (2 cm per 1 m) on horizontal runs to get good flow. A vented tee connection is also required for proper flow. Extend the vent at least 12" (30 cm) above the drain outlet.
- For optional drain pump (AGDP) installation, refer to the instructions included with the pump.

F. Final Checklist

⚠ WARNING

<p>CHOKING HAZARD: Ensure all components, fasteners, and thumbscrews are securely in place after installation. Make sure that none have fallen into the storage bin.</p>

- 1) Is the ice machine level?
- 2) Is the ice machine in a site where the ambient temperature is within 45°F to 100°F (7°C to 38°C) and the water temperature within 45°F to 95°F (7°C to 35°C) all year around?
- 3) Have the shipping carton, tape, and packing material been removed from the ice machine? Has the protective plastic film been removed from the panels?
- 4) Have all electrical and water connections been made? Do electrical and water connections meet all national, state, and local code and regulation requirements?
- 5) Has the power supply voltage been checked or tested against the nameplate rating? Is the power supply a properly grounded, independent 3-prong wall outlet?
- 6) Are the water supply and drain lines sized as specified? Are the water supply line shut-off valve and drain valve installed? Has the water supply pressure been checked to ensure a minimum of 10 PSIG and a maximum of 113 PSIG?
- 7) Are all components, fasteners, and thumbscrews securely in place?
- 8) Has the end user been given this instruction manual, and instructed on how to operate the ice machine and the importance of the recommended periodic maintenance?
- 9) Has the end user been given the name and telephone number of an authorized service agent?
- 10) Has the warranty tag been filled out and forwarded to the factory for warranty registration?

III. Operating Instructions

A. Important Notes About Usage

WARNING

- Only qualified service technicians should install and service the ice machine.
- Failure to install, operate, and maintain the ice machine in accordance with this manual will adversely affect safety, performance, component life, and warranty coverage.
- To reduce the risk of electric shock, make sure the control switch is in the "OFF" position before plugging in or unplugging the ice machine.
- To reduce the risk of electric shock, do not touch the control switch or plug with damp hands.
- This ice machine must be maintained in accordance with the instruction manual and labels provided with the ice machine. Consult with your local Hestan Certified Service Representative about maintenance service.
- This ice machine must be cleaned and sanitized at least once a year. More frequent cleaning and sanitizing may be required in some water conditions.
- Wash your hands before removing ice. Use the plastic scoop provided.
- 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 properly supervised around this appliance.
- Do not climb, stand, or hang on the ice machine or ice machine door or allow children or animals to do so. Serious injury could occur or the ice machine could be damaged.
- Be careful not to pinch fingers when opening and closing the door. Be careful when opening and closing the door when children are in the area.
- Do not use combustible spray or place volatile or flammable substances near the ice machine. They might catch fire.
- Keep the area around the ice machine clean. Dirt, dust, or insects in the could cause harm to individuals or damage to the ice machine.

NOTICE

- Protect the floor when moving the ice machine to prevent damage to the floor.
- If using the optional drain pump (AGDP), test its operation every time the ice machine is cleaned and sanitized. See "IV.E. Optional Drain Pump AGDP" for details. If the optional drain pump is not operating properly, water could back up and overflow, leading to costly water damage.
- To help ensure that the storage bin drain remains clear, follow the instructions in "IV.C. Storage Bin Drain" once every 3 months or as often as necessary for conditions. If the storage bin drain becomes clogged, water could build up in the bin and overflow, leading to costly water damage.
- If water collects in the bin and will not drain, turn off the ice machine and close the water supply line shut-off valve. Call for service.
- Do not leave the ice machine on during extended periods of non-use, extended absences, or in sub-freezing temperatures. To properly prepare the ice machine for these occasions, follow the instructions in "V. Preparing the Ice machine for Periods of Non-Use."
- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not place objects on top of the ice machine.
- The storage bin is for ice use only. Do not store anything else in the storage bin.

B. Startup

⚠ WARNING

All parts are factory-adjusted. Improper adjustments may adversely affect safety, performance, component life, and warranty coverage.

NOTICE

- If the ice machine is turned off, wait for at least 3 minutes before restarting the ice machine to prevent damage to the compressor.
- At startup, confirm that all internal and external connections are free of leaks.

- 1) Open the water supply line shut-off valve.
- 2) Make sure the control switch is in the "OFF" position. Plug the unit into the electrical outlet. **WARNING! To reduce the risk of electric shock, do not touch the control switch or plug with damp hands.** If you have to slide the unit back for a built-in installation, make sure you do not damage or pinch the water supply line, drain line, or power cord.
- 3) If required by sanitation code in your area, seal the perimeter where the machine touches the floor with approved caulk compound in a smooth and easily cleanable manner.

- 4) Move the control switch to the "ICE" position and allow the ice machine to operate for 2 minutes. This allows the water tank to fill.
- 5) Move the control switch to the "OFF" position.
- 6) Inside the storage bin, disconnect the suction tube by squeezing the tabs and pulling the tube clear. See Fig. 31. Allow the water tank to drain.
- 7) Reconnect the suction tube as illustrated. See Fig. 32. Make sure the tabs lock into place; a loose fitting may cause a water leak.

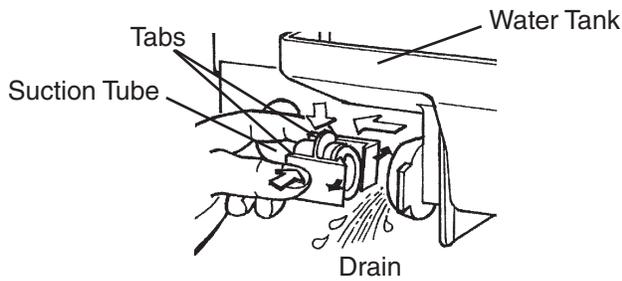


Fig. 31

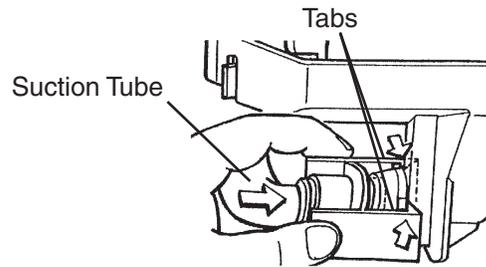


Fig. 32

- 8) Clean the storage bin liner, door liner, and door gasket using a neutral cleaner. Rinse thoroughly after cleaning.
- 9) Move the control switch to the "ICE" position to start the automatic icemaking process.
- 10) To confirm bin control operation, hold ice in contact with the bin control thermostat bulb. **NOTICE! If the ice machine does not stop within 10 seconds, the bin control thermostat must be adjusted. Installation at higher altitude locations are more likely to require adjustment.** See Fig. 33.

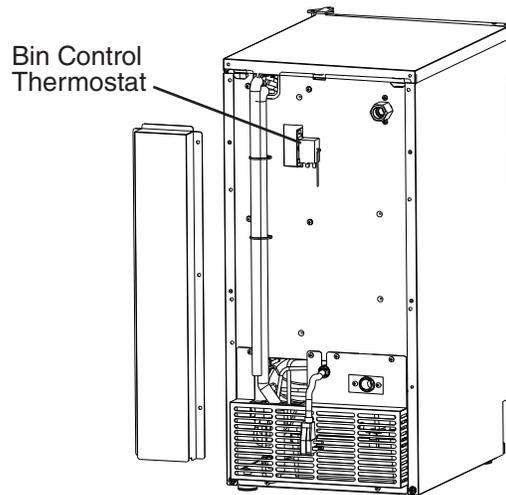


Fig. 33

IV. Maintenance

This ice machine must be maintained in accordance with the instruction manual and labels provided with the ice machine. Consult with your local Hestan Certified Service Representative about maintenance service.

⚠ WARNING

- Only qualified service technicians should service this ice machine.
- Failure to install, operate, and maintain the ice machine in accordance with this manual will adversely affect safety, performance, component life, and warranty coverage.
- Move the control switch to the "OFF" position and unplug the ice machine from the electrical outlet before servicing.
- To reduce the risk of electric shock, do not touch the control switch or plug with damp hands.
- **CHOKING HAZARD:** Ensure all components, fasteners, and thumbscrews are securely in place after any maintenance is performed. Make sure that none have fallen into the storage bin.
- After service, make sure that there are no wires pinched between the panels and ice machine. Make sure you do not damage or pinch the water supply line, drain line, or power cord.

A. Maintenance Schedule

The maintenance schedule below is a guideline. More frequent maintenance may be required depending on water quality, the ice machine's environment, and local sanitation regulations.

Maintenance Schedule		
Frequency	Area	Task
Weekly	Scoop	Clean the scoop using a neutral cleaner. Rinse thoroughly after cleaning.
Monthly	External Water Filters	Check for proper pressure and change if necessary.
	Ice machine Exterior	Wipe down with clean, soft cloth. Use a damp cloth containing a neutral cleaner to wipe off oil or dirt build up. Clean any chlorine staining (rust colored spots) using a non-abrasive cleaner like Zud or Bon Ami.
Every 3 Months	Storage Bin Drain	Maintain as outlined in "IV.C. Storage Bin Drain."
Yearly	Ice machine and Storage Bin	Clean and sanitize per the cleaning and sanitizing instructions provided in this manual. See "IV.B. Cleaning and Sanitizing Instructions."
	Optional Drain Pump (AGDP)	Test as outlined in "IV.E. Optional Drain Pump AGDP."
	Water Supply Inlet	Close the ice machine water supply line shut-off valve and drain the water system. Clean the water supply inlet screen.
	Condenser	Inspect. Clean if necessary. See "IV.D. Condenser."
	Water Hoses	Inspect the water hoses and clean/replace if necessary.

B. Cleaning and Sanitizing Instructions

This ice machine must be cleaned and sanitized at least once a year. More frequent cleaning and sanitizing may be required in some water conditions.

⚠ WARNING

- To prevent injury to individuals and damage to the ice machine, do not use ammonia type cleaners.
- Carefully follow any instructions provided with the bottles of cleaning and sanitizing solution.
- Always wear liquid-proof gloves and goggles to prevent the cleaning and sanitizing solutions from coming into contact with skin or eyes.
- After cleaning and sanitizing, be careful not to leave any solution in the ice machine.

1. Cleaning Solution

Dilute 5 fl. oz. (148 ml or 10 tbs) of "Scale Away" with 1 gallon (3.8 l) of warm water. This is a minimum amount. Make more solution if necessary. **IMPORTANT! For safety and maximum effectiveness, use the solution immediately after dilution.**

2. Cleaning Procedure

- 1) Remove all ice from the evaporator and the storage bin.
Note: To remove cubes on the evaporator, move the control switch to the "OFF" position and then move it back to the "ICE" position after 3 minutes. The harvest cycle starts and the cubes will be removed from the evaporator.
- 2) Move the control switch to the "OFF" position.
- 3) Inside the storage bin, disconnect the suction tube by squeezing the tabs and pulling the tube clear. See Fig. 34. Allow the water tank to drain.
- 4) Reconnect the suction tube as illustrated. See Fig. 35. Make sure the tabs lock into place; a loose fitting may cause a water leak.
- 5) Slowly pour the cleaning solution into the water tank.

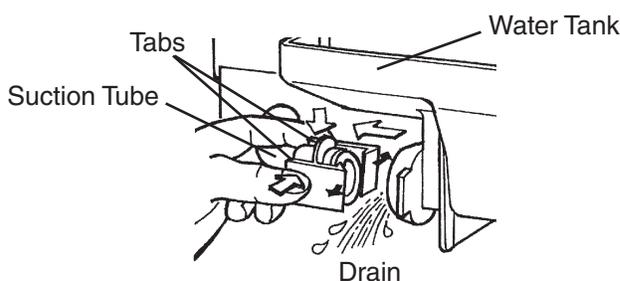


Fig. 34

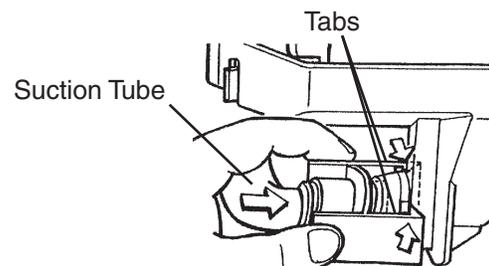


Fig. 35

- 6) Move the control switch to the "WASH" position.
- 7) Allow the cleaning solution to circulate for 30 minutes, then move the control switch to the "OFF" position.
- 8) Disconnect the suction tube. Allow the water tank to drain, then reconnect the suction tube.
- 9) Move the control switch to the "ICE" position and allow the ice machine to operate for 2 minutes. This allows the water tank to fill with water.
- 10) Move the control switch to the "WASH" position.
- 11) Allow the water to circulate for 5 minutes, then move the control switch to the "OFF" position.
- 12) Disconnect the suction tube. Allow the water tank to drain, then reconnect the suction tube.
- 13) Repeat steps 9 through 12 three more times to rinse thoroughly.

3. Sanitizing Solution

Dilute 0.5 fl. oz. (14.8 ml or 1 tbs) of a 5.25% sodium hypochlorite solution (chlorine bleach) with 1 gallon (3.8 l) of warm water. This is a minimum amount. Make more solution if necessary. Using a chlorine test strip or other method, confirm that you have a concentration of about 200 ppm. **IMPORTANT! For safety and maximum effectiveness, use the solution immediately after dilution.**

4. Sanitizing Procedure

- 1) Make sure the control switch is in the "OFF" position and the storage bin is empty.
- 2) Remove the slope from the storage bin by carefully bending it in the center and releasing it from the 2 slope shafts. See Fig. 36.
- 3) Remove each separator by lifting it to the horizontal position and pushing it hard inward. See Fig. 37.

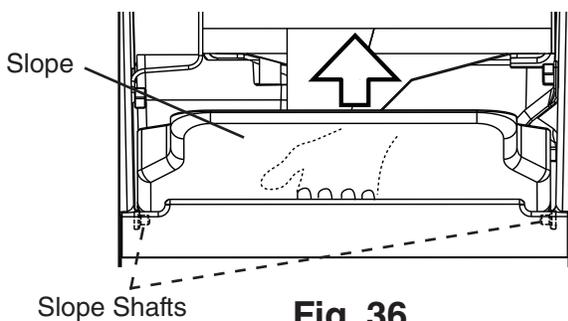


Fig. 36



Fig. 37

- 4) Disconnect the suction tube. Allow the water tank to drain.
- 5) Spread out the tabs to unlock the water tank, then slide it out. See Fig. 38.
- 6) Lift off the ice chute from the front frame pipe and then from the rear frame pipe. See Fig. 39.

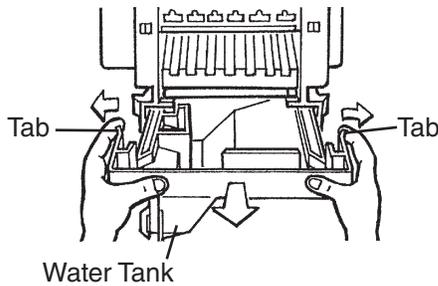


Fig. 38

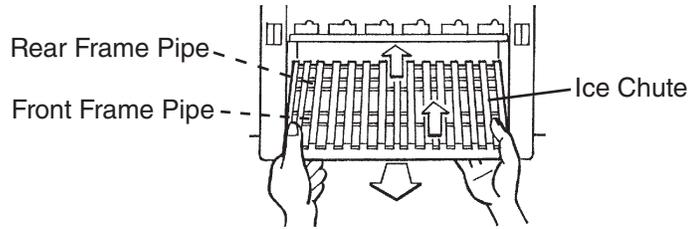


Fig. 39

- 7) Disconnect the discharge tube from the spray assembly, then slide out the spray assembly. See Fig. 40.
- 8) Remove the two caps. See Fig. 41.

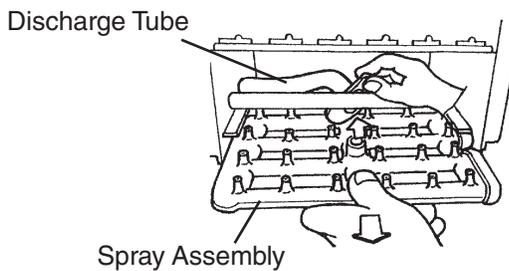


Fig. 40

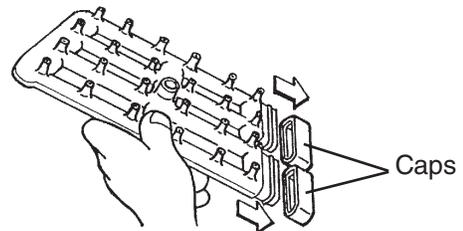


Fig. 41

- 9) Soak all of the removed parts and the scoop in the sanitizing solution for 10 minutes. If the spray assembly nozzles are clogged, clean them with a wire or a suitable brush.
- 10) Rinse the parts thoroughly with clean water.
- 11) Refit the 2 caps in their correct positions. Make sure the reducing pipe is in place in the center. See Fig. 42.
- 12) Slide in the spray assembly along the rails on the left and right brackets. See Fig. 43. Connect the discharge tube securely to the spray assembly; a loose fitting may cause a water leak.

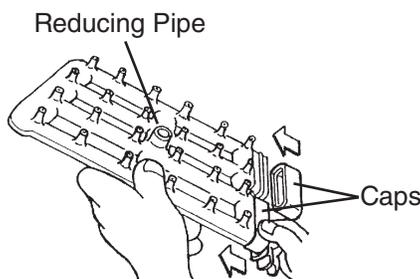


Fig. 42

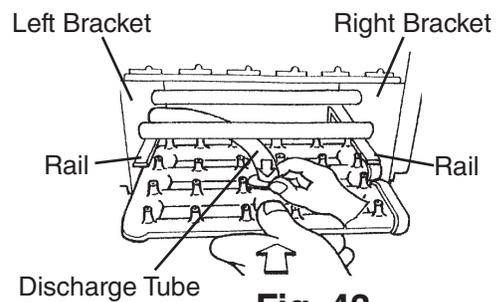


Fig. 43

- 13) Position and lock the ice chute onto the front and rear frame pipes by pushing the ice chute down until it clicks onto both frame pipes. See Fig. 44.
- 14) Slide in the water tank along the rails at the bottom of the left and right brackets until it locks into place. See Fig. 45.

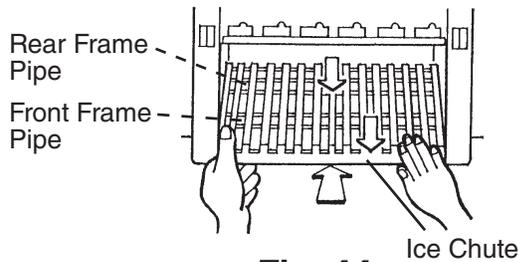


Fig. 44

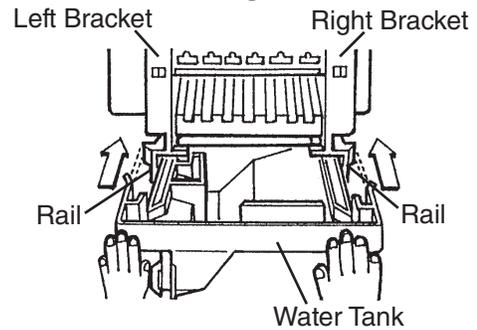


Fig. 45

- 15) Reconnect the suction tube.
- 16) Hook each separator onto the rail, then pull it hard towards you until it locks into place. See Fig. 46.
- 17) Replace the slope in its correct position. See Fig. 47.



Fig. 46

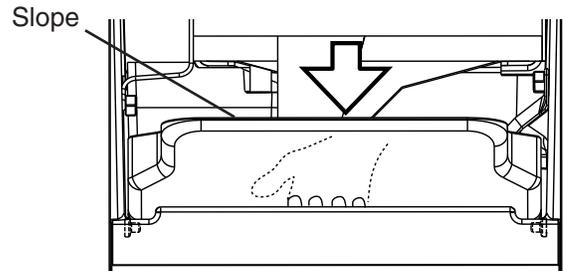


Fig. 47

- 18) Discard the sanitizing solution.
- 19) Mix a new batch of the sanitizing solution and slowly pour it into the water tank.
- 20) Move the control switch to the "WASH" position.
- 21) After circulating the sanitizing solution for 15 minutes, move the control switch to the "OFF" position.
- 22) Disconnect the suction tube. Allow the water tank to drain, then reconnect the suction tube.
- 23) Repeat steps 19 through 22 one time.
- 24) Move the control switch to the "ICE" position and allow the ice machine to operate for 2 minutes. This allows the water tank to fill with water.
- 25) Move the control switch to the "WASH" position.
- 26) Allow the water to circulate for 5 minutes, then move the control switch to the "OFF" position.
- 27) Disconnect the suction tube. Allow the water tank to drain, then reconnect the suction tube.
- 28) Repeat steps 24 through 27 two more times to rinse thoroughly.

- 29) Clean the storage bin liner, door liner, and door gasket with a neutral cleaner. Rinse thoroughly after cleaning.
- 30) Move the control switch to the "ICE" position to start the automatic icemaking process.

C. Storage Bin Drain

In some conditions, slime may build up inside the storage bin drain and prevent water from draining properly. To prevent this buildup, perform the following procedure once every 3 months or as often as necessary for conditions.

<i>NOTICE</i>

If the storage bin drain becomes clogged, water could build up in the bin and overflow, leading to costly water damage.

- 1) Move the control switch to the "OFF" position. **WARNING! To reduce the risk of electric shock, do not touch the control switch with damp hands.**
- 2) Remove all ice from the storage bin.
- 3) Mix a batch of sanitizing solution by diluting 1.25 fl. oz. (37 ml or 2.5 tbs) of a 5.25% sodium hypochlorite solution (chlorine bleach) with 2.5 gallons (9.5 l) of warm water. Using a chlorine test strip or other method, confirm that you have a concentration of about 200 ppm.
- 4) Slowly pour the sanitizing solution into the storage bin.
- 5) After all of the solution has drained, clean the storage bin liner with a neutral cleaner. Rinse thoroughly with clean water.
- 6) Move the control switch to the "ICE" position to start the automatic icemaking process.

D. Condenser

Check the condenser once a year, and clean if required by following the steps below. More frequent cleaning may be required depending on location.

⚠ WARNING

- Move the control switch to the "OFF" position and unplug the ice machine from the electrical outlet before cleaning the condenser.
- To reduce the risk of electric shock, do not touch the control switch or plug with damp hands.
- Condenser fins are sharp. Use care when cleaning.

1) Move the control switch to the "OFF" position and unplug the ice machine from the electrical outlet.

2) Remove the 2 screws securing the front panel, then remove the panel. See Fig. 48.

3) Remove the 2 screws securing the louver, then remove the louver.

4) Use a brush attachment on a vacuum cleaner to gently clean the condenser fins. Do not use too much force, otherwise the fins could be damaged.

5) Replace the louver and front panel in their correct positions. Ensure that the screws are securely in place.

6) Plug the ice machine back in. Move the control switch to the "ICE" position to start the automatic icemaking process.

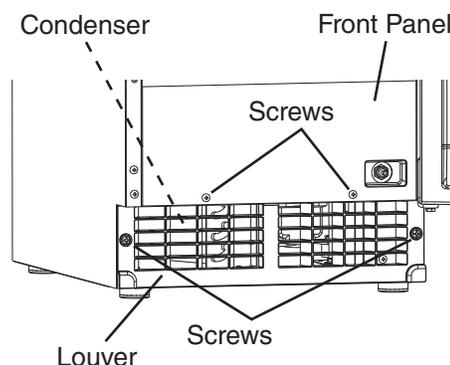


Fig. 48

E. Optional Drain Pump AGDP

If the optional drain pump (AGDP) is installed, test its operation at least once a year as outlined below. Note that the pump has power even when the control switch is in the "OFF" position.

NOTICE

If the optional drain pump is not operating properly, it will adversely affect performance, component life, and warranty coverage and may result in costly water damage.

1) Move the control switch to the "OFF" position, then unplug the ice machine from the electrical outlet. **WARNING! To reduce the risk of electric shock, do not touch the control switch or plug with damp hands.**

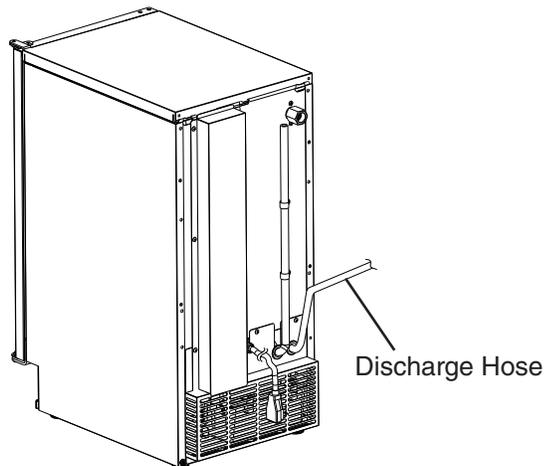
2) Remove all ice from the storage bin.

3) Plug the ice machine back in.

4) Slowly pour 24 to 30 oz. (710 to 890 ml) of water over the storage bin drain hole in the storage bin.

- 5) If water pumps out properly and the drain pump then de-energizes, proceed to step 6. If water does not pump out properly and/or the drain pump does not de-energize, the appliance must be serviced by a qualified service technician before proceeding.
- 6) Move the control switch to the "ICE" position.
- 7) Pour another 24 to 30 oz. (710 to 890 ml) of water into the ice machine's ice storage bin, then completely restrict the discharge hose while the drain pump is operating. See Fig. 49. Pour more water into the ice machine's ice storage bin until the ice machine turns off. The drain pump will continue to operate. Check for leaks.
- 8) Remove the discharge hose restriction and allow the water to be pumped out normally. Power to the ice machine will be restored when the water in the drain pump returns to a normal level.
- 9) If the ice machine fails to turn off with the discharge hose restricted or the pump fails to pump out the water, the appliance must be serviced by a qualified service technician.

Fig. 49



V. Preparing the Ice machine for Periods of Non-Use

During extended periods of non-use, extended absences, or in sub-freezing temperatures, follow the instructions below. When the ice machine is not used for two or three days under normal conditions, it is sufficient to move the control switch to the "OFF" position.

⚠ WARNING

Only qualified service technicians should service this ice machine.

NOTICE

During extended periods of non-use, extended absences, or in sub-freezing temperatures, follow the instructions below to reduce the risk of costly water damage.
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- 1) Close the water supply line shut-off valve, then open the water supply line drain valve. See Fig. 30.
- 2) Allow the line to drain by gravity.
- 3) Attach a compressed air or carbon dioxide supply to the water supply line drain.
- 4) Move the control switch to the "ICE" position.
- 5) Blow the water supply line out using the compressed air or carbon dioxide supply.
- 6) Close the water supply line drain valve.
- 7) Move the control switch to the "OFF" position.
- 8) Unplug the ice machine.
- 9) Remove all ice from the storage bin. Clean the storage bin liner using a neutral cleaner. Rinse thoroughly after cleaning.

VI. Disposal

This ice machine contains refrigerant and must be disposed of in accordance with applicable national, state, and local codes and regulations. Refrigerant must be recovered by properly certified service personnel.



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