

Hoshizaki America, Inc.

Cubelet Icemaker / Dispenser

Models

DCM-270BAH

DCM-270BAH-OS



“A Superior Degree
of Reliability”

www.hoshizaki.com

INSTRUCTION MANUAL



Issued: 5-6-2009

IMPORTANT

Only qualified service technicians should install, service, and maintain the icemaker. No installation, service, or maintenance should be undertaken until the technician has thoroughly read this Instruction Manual. Likewise, the owner/manager should not proceed to operate the icemaker until the installer has instructed them on its proper operation. Failure to install, operate, and maintain the equipment in accordance with this manual may adversely affect safety, performance, component life, and warranty coverage.

Hoshizaki provides this manual primarily to assist qualified service technicians in the installation, maintenance, and service of the icemaker.

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

HOSHIZAKI AMERICA, INC.
618 Highway 74 South
Peachtree City, GA 30269

Attn: Hoshizaki Technical Support Department

Phone: 1-800-233-1940 Technical Support
(770) 487-2331

Fax: 1-800-843-1056
(770) 487-3360

E-mail: techsupport@hoshizaki.com

Web Site: www.hoshizaki.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 icemaker is installed and operated. Only qualified service technicians should install, service, and maintain the icemaker. Read the warnings contained in this booklet carefully as they give important information regarding safety. Please 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, or damage to the unit.

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

CAUTION Indicates a situation which could result in damage to the unit.

IMPORTANT Indicates important information about the use and care of the unit.

⚠ WARNING

This icemaker 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 eventual damage caused by improper, incorrect, and unreasonable use.

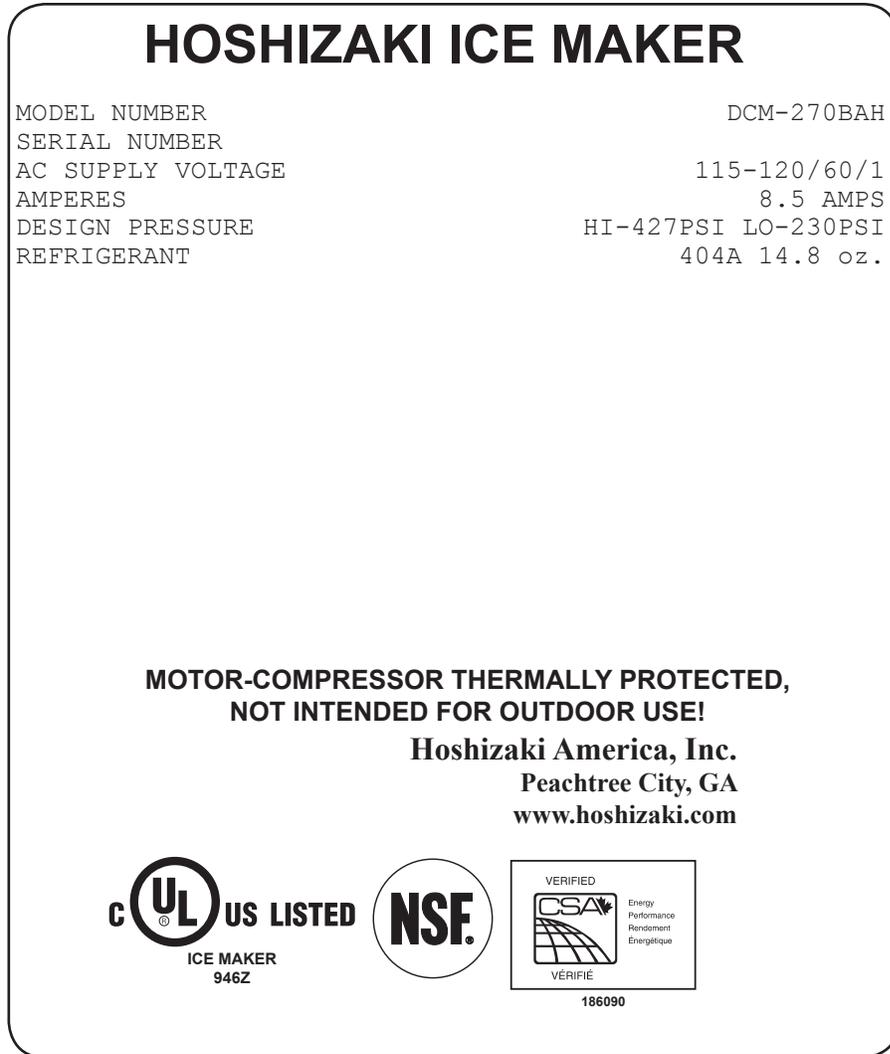
To reduce the risk of death, electric shock, serious injury, or fire, follow basic precautions including the following:

- This unit requires an independent power supply. See the nameplate for proper voltage and breaker/fuse size. Failure to use a proper breaker or fuse can result in a tripped breaker, blown fuse, or damage to existing wiring. This could lead to heat generation or fire.
- **THIS APPLIANCE MUST BE GROUNDED:** This unit is equipped with a 3-prong grounding plug to reduce the risk of potential shock hazards. It must be plugged into a properly grounded, independent 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.
- Make sure the power switch is in the "OFF" position before plugging in or unplugging the unit to reduce the risk of electric shock.
- Do not use a unit 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 unit, be sure to pull the plug, not the cord, and do not jerk the cord.
- To reduce the risk of electric shock, do not touch the plug or power switch with damp hands.
- This unit should be disassembled or repaired only by qualified service personnel to reduce the risk of electric shock, injury, or fire.
- Do not make any alterations to the unit. Alterations could result in electric shock, injury, fire, or damage to the unit.

I. Specifications

A. Nameplate Rating

1. DCM-270BAH (push-button model) and DCM-270BAH-OS (optical-sensor model)



Note: Only the "MODEL NUMBER" is replaced for DCM-270BAH-OS.

See the nameplate for electrical and refrigeration specifications. This nameplate is located on the rear panel.

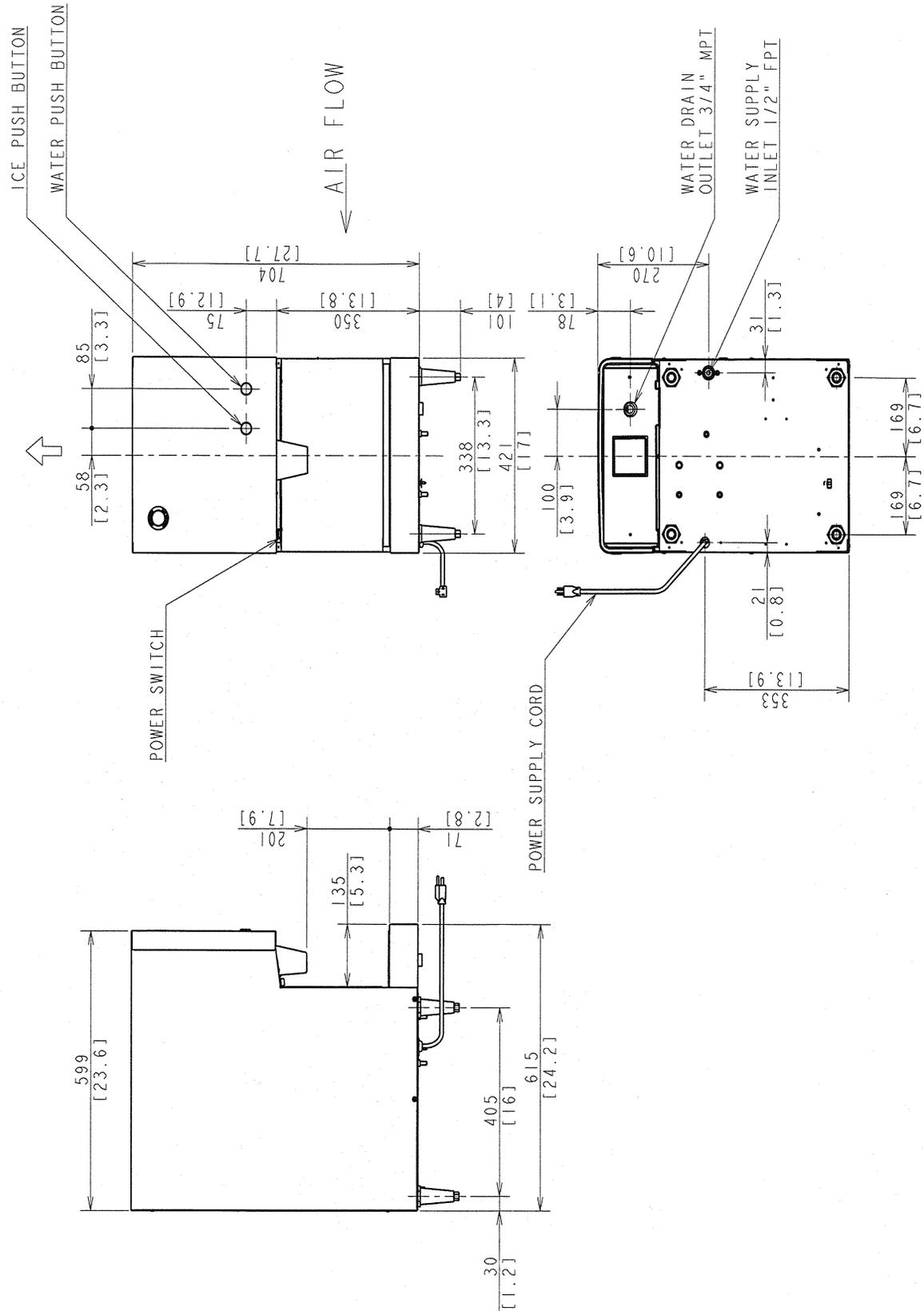
Since this nameplate is located on the rear panel of the icemaker, it cannot be read when the back of the icemaker is against a wall or against another piece of kitchen equipment. Therefore, the necessary electrical and refrigeration information is also on the rating label, which can be easily seen by removing only the front panel of the icemaker.

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

B. Dimensions/Connections

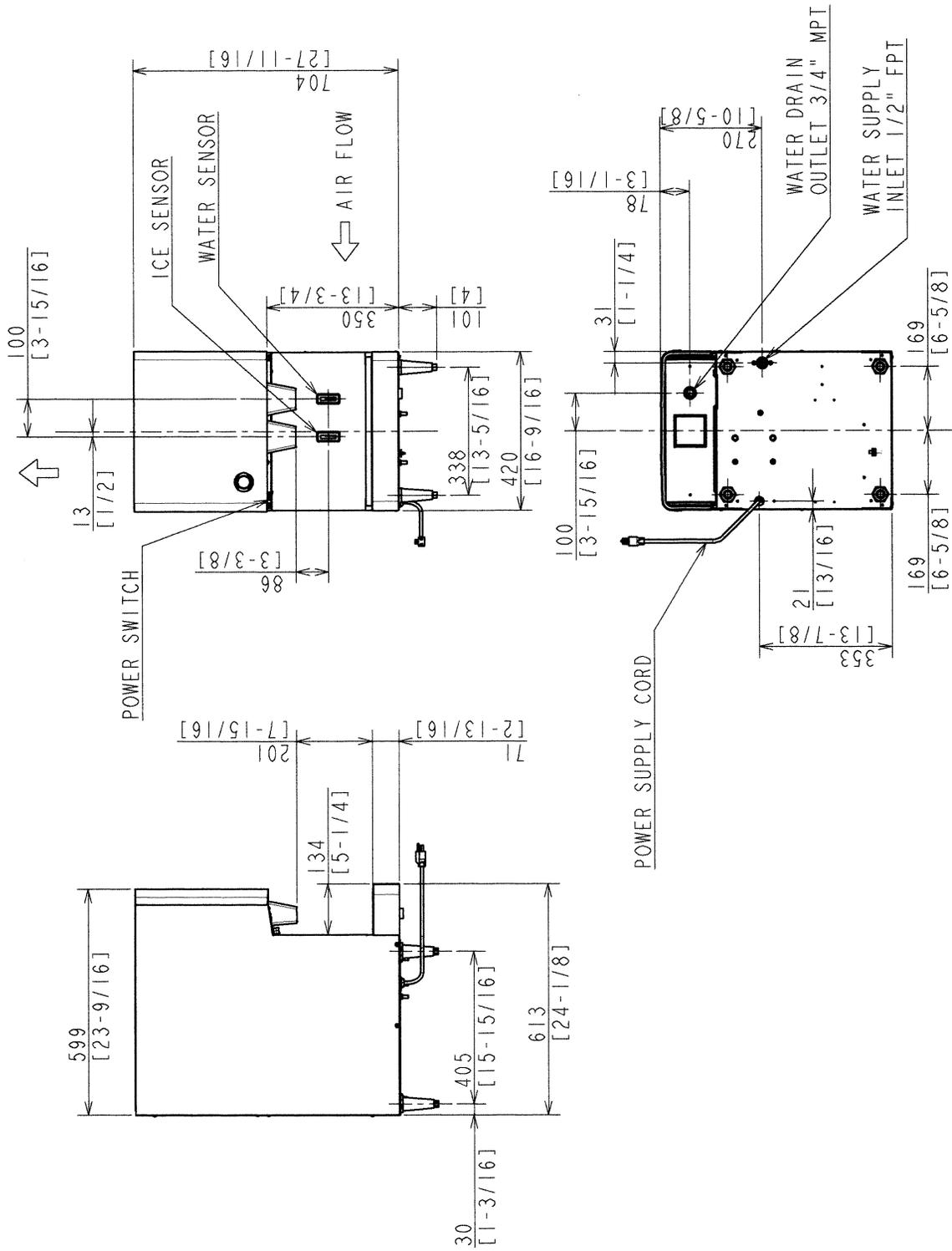
1. DCM-270BAH (push-button model)

Unit: mm [in.]



2. DCM-270BAH-OS (optical-sensor model)

Unit: mm [in.]



II. Installation and Operating Instructions

WARNING

1. This icemaker must be installed in accordance with applicable national, state, and local regulations.
2. **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 icemaker, it will not work properly.
- Remove the panels to prevent damage when installing the icemaker. See "II.B. How to Remove Panels."
- Remove the package containing the accessories.
- Remove the protective plastic film from the panels. If the icemaker is exposed to the sun or to heat, remove the film after the icemaker cools.
- Check that the refrigerant lines do not rub or touch lines or other surfaces, and that the fan blade turns freely.
- Check that the compressor is snug on all mounting pads.
- See the nameplate on the rear panel, and check that your voltage supplied corresponds with the voltage specified on the nameplate.
- This icemaker can be installed on a countertop or on an optional stand. If using an optional stand, Hoshizaki Stand SD-270 is recommended.

B. How to Remove Panels

See Fig. 1 or Fig. 2

- Front Panel: Remove the screw. Lift up and towards you. On the push-button model, disconnect the connector.
- Top Panel: Lift up at front slightly, push rearward and lift off.
- Apron Panel: Remove the grille. Remove the screws and pull towards you. On the optical-sensor model, disconnect the connectors.
- Rear Panel: Remove the screws and pull towards you.
- Side Panel: Remove the screws and pull towards you.

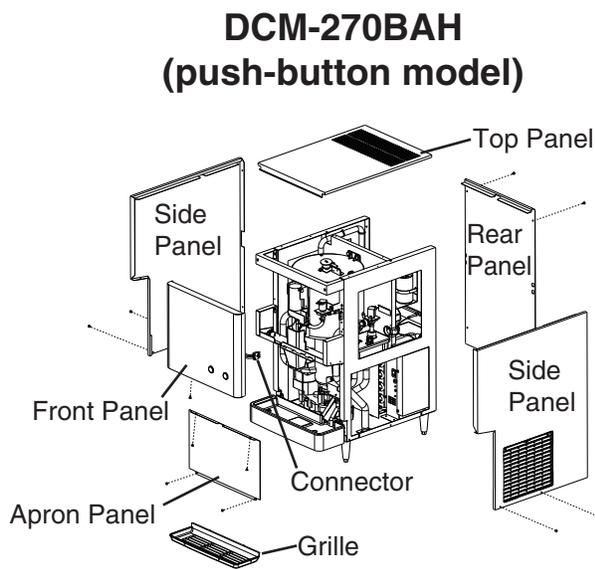


Fig. 1

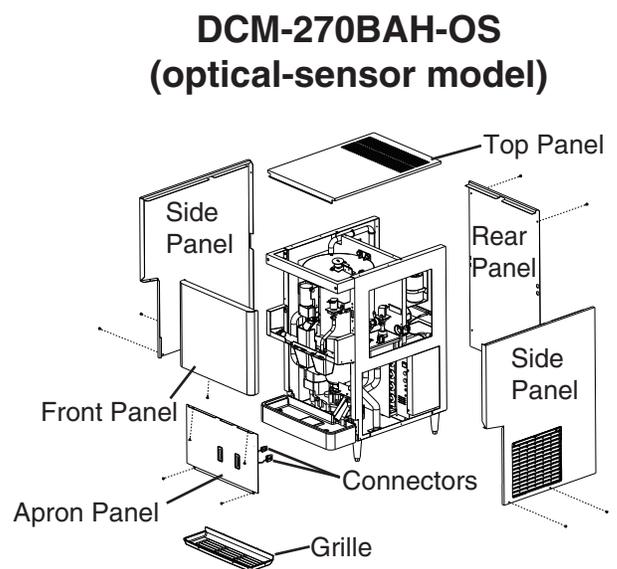


Fig. 2

C. Location

CAUTION

1. This icemaker is not intended for outdoor use. Normal operating ambient temperature should be within 45°F to 100°F (7°C to 38°C); Normal operating water temperature should be within 45°F to 90°F (7°C to 32°C). Operation of the icemaker, for extended periods, outside of these normal temperature ranges may affect icemaker performance.
2. This icemaker will not work at sub-freezing temperatures. To prevent damage to the water supply line, drain the icemaker if the air temperature is going to go below 32°F (0°C). See "III.C. Preparing the Icemaker for Long Storage."

IMPORTANT

Optical-Sensor Model (-OS): Sunlight, direct and indirect, can have an effect on the operation of the dispense sensors. If a problem is noticed, the machine should be moved out of direct sunlight and/or farther away from any outside windows.

For best operating results:

- The icemaker should not be located next to ovens, grills, or other high heat producing equipment.
- The location should provide a firm and level foundation for the equipment.
- Allow 6" (15 cm) clearance at rear and left side, 10" (25 cm) at right side, and 20" (51 cm) at top for proper air circulation and ease of maintenance and/or service should they be required.

D. Setup

- 1) Position the icemaker in the selected permanent location. If attaching to a stand, refer to the installation instructions included with the stand.
- 2) Level the icemaker in both the left-to-right and front-to-rear directions. Adjust the legs to make the icemaker level.
- 3) If mounting flat to a counter, seal the perimeter where the icemaker contacts the counter with approved caulk compound in a smooth and easily cleanable manner.
- 4) Replace the panels in their correct positions.

E. Electrical Connection

WARNING

1. 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.
2. This unit requires an independent power supply. See the nameplate for proper voltage and breaker/fuse size. Failure to use a proper breaker or fuse can result in a tripped breaker, blown fuse, or damage to existing wiring. This could lead to heat generation or fire.
3. **THIS APPLIANCE MUST BE GROUNDED:** This unit is equipped with a 3-prong grounding plug to reduce the risk of potential shock hazards. It must be plugged into a properly grounded, independent 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.
4. Do not use an extension cord.
5. Make sure the power switch is in the "OFF" position before plugging in or unplugging the unit to reduce the risk of electric shock.
6. Do not use a unit 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 unit, be sure to pull the plug, not the cord, and do not jerk the cord.
7. To reduce the risk of electric shock, do not touch the plug or power switch with damp hands.
8. The GREEN ground wire in the factory-installed power cord is connected to a screw on the frame where the cord enters the unit. 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.

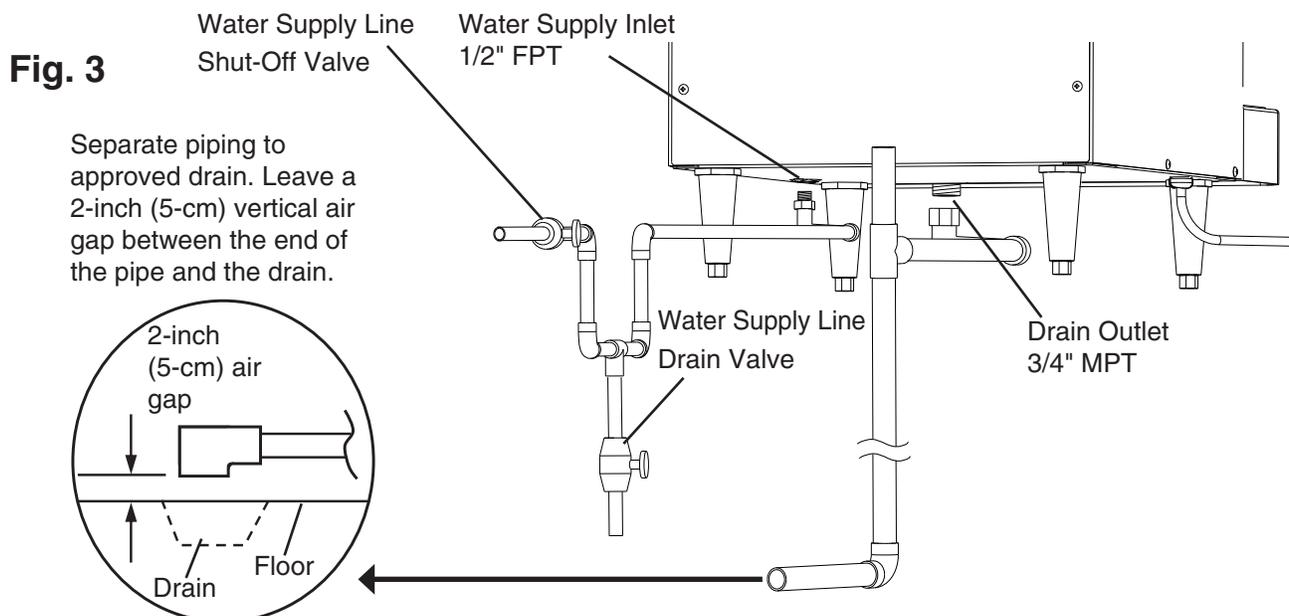
F. Water Supply and Drain Connections

See Fig. 3

⚠ WARNING

1. Water supply and drain connections must be installed in accordance with applicable national, state, and local regulations.
2. Normal operating water temperature should be within 45°F to 90°F (7°C to 32°C). Operation of the icemaker, for extended periods, outside of this normal temperature range may affect icemaker performance.
3. To prevent damage to equipment, do not operate the icemaker when the water supply is off, or if the pressure is below 10 PSIG. Do not run the icemaker until the proper water pressure is reached.

- 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 Hoshizaki distributor for recommendations.
- Water supply inlet is 1/2" female pipe thread (FPT). A minimum of 3/8" OD copper tubing is recommended for the water supply line.
- A water supply line shut-off valve and drain valve should be installed.
- Water supply pressure should 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 3/4" MPT. A minimum of 3/4" OD hard pipe is recommended for the drain line.
- Drain lines 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.
- Drain line should not be piped directly to the sewer system. An air gap of a minimum of 2 vertical inches (5 cm) should be between the end of the drain pipe from the icemaker and the floor drain.



G. Final Checklist

WARNING

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

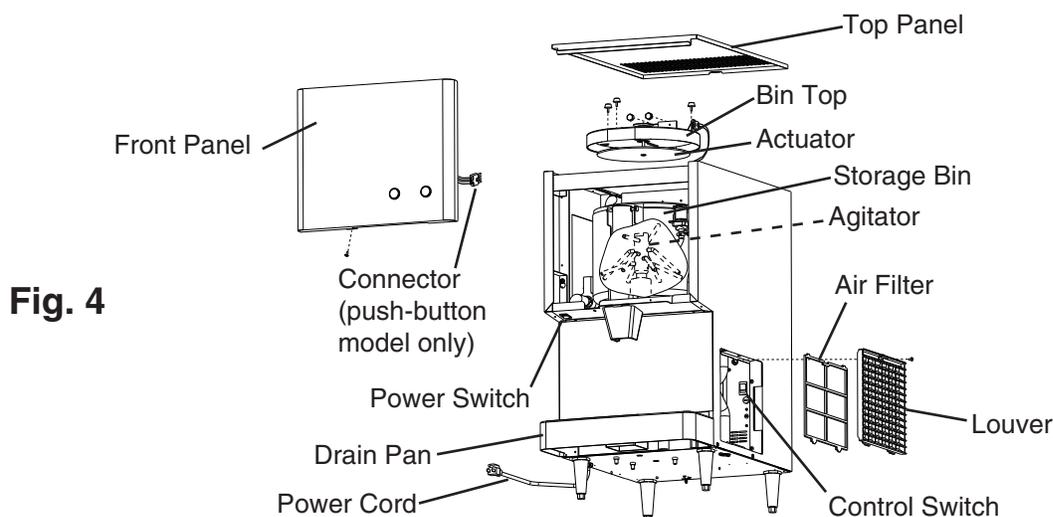
- 1) Is the icemaker level?
- 2) Is the icemaker in a site where the ambient temperature is within 45°F to 100°F (7°C to 38°C) and the water temperature within 45°F to 90°F (7°C to 32°C) all year around?
- 3) Is there at least 6" (15 cm) clearance at rear and left side, 10" (25 cm) at right side, and 20" (51 cm) at top for proper air circulation and ease of maintenance and/or service should they be required?
- 4) Have the shipping carton, tape, and packing material been removed from the icemaker?
- 5) Have all electrical, water supply, and drain connections been made? Do electrical, water supply, and drain connections meet all national, state, and local code and regulation requirements?
- 6) Has the power supply voltage been checked or tested against the nameplate rating? Is the power supply a properly grounded, independent wall outlet?
- 7) 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?
- 8) Are all components, fasteners, and thumbscrews securely in place?
- 9) If the icemaker is on a stand, has it been secured to the stand as outlined in the stand's installation instructions? If the icemaker is mounted flat to a counter, has the perimeter where the icemaker contacts the counter been sealed with approved caulk compound?
- 10) Are the compressor hold-down bolts snug? Have the refrigerant lines been checked to make sure they do not rub or touch other lines or surfaces?
- 11) Has the end user been given this instruction manual, and instructed on how to operate the icemaker and the importance of the recommended periodic maintenance?
- 12) Has the end user been given the name and telephone number of an authorized service agent?
- 13) Has the warranty card been filled out and forwarded to the factory for warranty registration?

H. Startup

⚠ WARNING

1. All parts are factory-adjusted. Improper adjustments may adversely affect safety, performance, component life, and warranty coverage.
2. If the icemaker is turned off, wait for at least 3 minutes before restarting the icemaker to prevent damage to the compressor.
3. At startup, confirm that all internal and external connections are free of leaks.

- 1) Make sure the power switch is in the "OFF" position, and the icemaker is unplugged. See Fig. 4.
- 2) Open the water supply line shut-off valve.
- 3) Remove the louver and air filter. Move the control switch to the "ICE" position. Replace the louver and air filter in their correct positions.
- 4) Plug in the icemaker. Move the power switch to the "ON" position to start the automatic icemaking process. Once the unit starts to produce ice, allow it to run for another 30 minutes.
- 5) Dispense all of the ice from the storage bin. Also confirm that the water dispenser is operating correctly.
- 6) Move the power switch to the "OFF" position, then unplug the icemaker.
- 7) Remove the front panel. On the push-button model, disconnect the connector. Remove the top panel, then remove the bin top. Clean the storage bin liner and actuator using a neutral cleaner. Rinse thoroughly after cleaning. **CAUTION: Be sure to keep the switch mounted on the bin top dry.**
- 8) Set the bin top in place without fastening it.



- 9) Remove the louver and air filter. Plug the icemaker back in. Move the control switch to the "DRAIN" position, then move the power switch to the "ON" position. Allow the water system to drain completely (you will see the water draining into the drain pan).
- 10) Move the control switch to the "ICE" position. Allow the icemaker to fill with water until the gear motor starts, then move the power switch to the "OFF" position. Move the control switch to the "DRAIN" position, then move the power switch to the "ON" position. Allow the water system to drain completely.
Note: To ensure that the drain valve opens immediately, you must move the power switch to the "OFF" position before moving the control switch to the "DRAIN" position. Otherwise, you may have to wait 2.5 minutes for the components to cycle down before the drain valve opens.
- 11) Check the bin control for proper operation. To check, move the control switch to the "ICE" position and allow the unit to run until the compressor comes on (compressor comes on one minute after the gear motor starts). After the compressor comes on, carefully lift the bin top off of the storage bin. **WARNING! Keep hands, hair, and loose clothing clear of the agitator rotating inside the storage bin.** Lift and hold the actuator on the bin top to activate the switch. The compressor should stop 90 seconds later, and the gear motor should stop 60 seconds after the compressor.
- 12) Move the power switch to the "OFF" position, then unplug the unit. Replace all removed parts and panels in their correct positions. On the push-button model, reconnect the connector. **WARNING! CHOKING HAZARD: Ensure all components, fasteners, and thumbscrews are securely in place. Make sure that none have fallen into the storage bin.**
- 13) Plug the icemaker back in. Move the power switch to the "ON" position to start the automatic icemaking process.

III. Cleaning and Maintenance

⚠ WARNING

CHOKING HAZARD: Ensure all components, fasteners, and thumbscrews are securely in place after any cleaning or maintenance is done to the unit. Make sure that none have fallen into the storage bin.

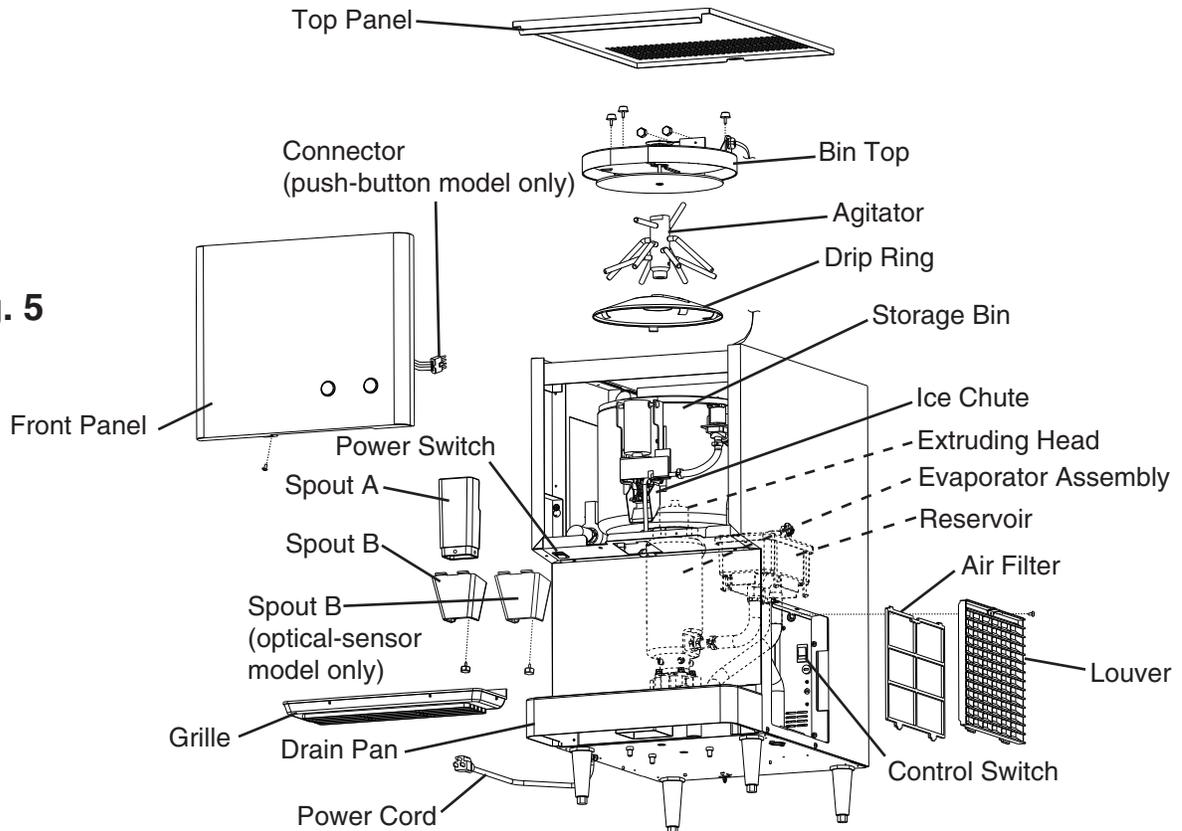
A. Cleaning and Sanitizing Instructions

Hoshizaki recommends cleaning and sanitizing this unit at least twice a year. More frequent cleaning and sanitizing, however, may be required in some existing water conditions.

⚠ WARNING

1. To prevent injury to individuals and damage to the icemaker, do not use ammonia type cleaners.
2. Carefully follow any instructions provided with the bottles of cleaning and sanitizing solution.
3. Always wear liquid-proof gloves and goggles to prevent the cleaning and sanitizing solutions from coming into contact with skin or eyes.
4. After cleaning, do not use ice made from the cleaning and sanitizing solutions. Be careful not to leave any solution on the parts or in the storage bin.

Fig. 5



1. Cleaning Solution

IMPORTANT

For safety and maximum effectiveness, use the solution immediately after dilution.

Dilute 6.0 fl. oz. (177 ml or 12 tbs) of recommended cleaner, Hoshizaki "Scale Away" or "LIME-A-WAY" (Economics Laboratory, Inc.), with 1.0 gal. (3.8 l) of warm water. This is a minimum amount. Make more solution if necessary.

2. Cleaning Procedure

- 1) Close the water supply line shut-off valve. See Fig. 3.
- 2) Dispense all of the ice from the storage bin.
- 3) Move the power switch to the "OFF" position, then remove the louver and air filter. See Fig. 5. Move the control switch to the "DRAIN" position, then move the power switch to the "ON" position. Allow the water system to drain completely (you will see the water draining into the drain pan).
Note: To ensure that the drain valve opens immediately, you must move the power switch to the "OFF" position before moving the control switch to the "DRAIN" position. Otherwise, you may have to wait 2.5 minutes for the components to cycle down before the drain valve opens.
- 4) Move the power switch to the "OFF" position, then unplug the icemaker. Remove the front panel. On the push-button model, disconnect the connector. Remove the top panel.
- 5) Remove the bin top. Remove the agitator and drip ring.
- 6) Pour the cleaning solution over the extruding head until the evaporator assembly and the reservoir are full and the solution starts to overflow into the drain pan. Allow the icemaker to soak for about 10 minutes before operation.
Note: If there is excessive scale on the extruding head, fill the evaporator assembly and reservoir as described above, then use a clamp on the reservoir hose between the reservoir and evaporator assembly to block flow. Pour additional cleaning fluid over the extruding head until the evaporator assembly is completely full.
- 7) Remove the grille. Remove spout B, then remove spout A. On the optical-sensor model, also remove spout B for the water dispenser.
- 8) Scrub the inside of the storage bin, inside of the bin top, the agitator, drip ring, ice chute area, spout A, spout B, grille, and the inside of the drain pan using a nylon scouring pad, brushes, and cleaning solution. Rinse all parts thoroughly with clean water.
CAUTION: Be sure to keep the switch mounted on the bin top dry.
- 9) Make sure you have allowed the icemaker to soak for about 10 minutes. If you placed a clamp on the reservoir hose in step 6, remove it.
- 10) Move the control switch to the "ICE" position. Replace the air filter, louver, drip ring, agitator, bin top, and panels in their correct positions.
- 11) Plug the icemaker back in. Move the power switch to the "ON" position. Make ice using the solution until the icemaker stops making ice.

- 12) Move the power switch to the "OFF" position, then remove the louver and air filter. Move the control switch to the "DRAIN" position, then move the power switch to the "ON" position. Allow the water system to drain completely.
- 13) Move the power switch to the "OFF" position, then unplug the icemaker.
- 14) Remove the front panel, top panel, and bin top.
- 15) Pour clean, warm water into the storage bin and melt any remaining ice. Remove the agitator and drip ring. Rinse the inside of the storage bin, the agitator, and drip ring thoroughly with clean water.
- 16) Pour clean, warm water over the extruding head until the evaporator assembly and the reservoir are full and the water starts to overflow into the drain pan. Plug the icemaker back in, then move the power switch to the "ON" position. Allow the water system to drain completely.
 Note: If you do not sanitize the unit, move the power switch to the "OFF" position after the water system drains. Unplug the icemaker, then replace the drip ring, grille, spout A, and spout B in their correct positions. Go to step 10 in "III.2.C.5 Sanitizing Procedure - Final."
- 17) Move the power switch to the "OFF" position, then unplug the icemaker.

3. Sanitizing Solution

IMPORTANT

For safety and maximum effectiveness, use the solution immediately after dilution.

Dilute 1.5 fl. oz. (44 ml or 3 tbs) of a 5.25% sodium hypochlorite solution (chlorine bleach) with 3 gal. (11.4 l) of warm water. This is a minimum amount. Make more solution if necessary.

4. Sanitizing Procedure - Initial

- 1) Make sure the power switch is in the "OFF" position, the icemaker is unplugged, and the water supply line shut-off valve is closed.
- 2) Pour the sanitizing solution over the extruding head until the evaporator assembly and the reservoir are full and the solution starts to overflow into the drain pan. Allow the icemaker to soak for about 10 minutes before operation.
- 3) Scrub the inside of the storage bin, inside of the bin top, the agitator, drip ring, ice chute area, spout A, spout B, grille, and the inside of the drain pan using a nylon scouring pad, brushes, and sanitizing solution. Rinse all parts thoroughly with clean water.
CAUTION: Be sure to keep the switch mounted on the bin top dry.
- 4) Make sure you have allowed the icemaker to soak for about 10 minutes
- 5) Move the control switch to the "ICE" position. Replace the air filter, louver, drip ring, agitator, bin top, grille, spout A, spout B, and panels in their correct positions.
- 6) Plug the icemaker back in. Move the power switch to the "ON" position. Make ice using the solution until the icemaker stops making ice.
- 7) Move the power switch to the "OFF" position, then unplug the icemaker.

- 8) Remove the front panel, top panel, and bin top.
- 9) Pour clean, warm water into the storage bin and melt any remaining ice.
- 10) Remove the louver and air filter. Plug the icemaker back in. Move the control switch to the "DRAIN" position, then move the power switch to the "ON" position. Allow the water system to drain completely.
- 11) Move the power switch to the "OFF" position, then unplug the icemaker.

5. Sanitizing Procedure - Final

- 1) Make sure the power switch is in the "OFF" position, the icemaker is unplugged, and the water supply line shut-off valve is closed.
- 2) Remove the agitator. Pour the sanitizing solution over the extruding head until the evaporator assembly and the reservoir are full and the solution starts to overflow into the drain pan. Allow the icemaker to soak for about 10 minutes before operation.
- 3) Move the control switch to the "ICE" position. Replace the air filter, louver, agitator, bin top, and panels in their correct positions.
- 4) Plug the icemaker back in. Move the power switch to the "ON" position. Make ice using the solution until the icemaker stops making ice.
- 5) Move the power switch to the "OFF" position, then remove the louver and air filter. Move the control switch to the "DRAIN" position, then move the power switch to the "ON" position. Allow the water system to drain completely.
- 6) Move the power switch to the "OFF" position, then unplug the icemaker.
- 7) Remove the front panel, top panel, and bin top.
- 8) Pour clean, warm water into the storage bin and melt any remaining ice. Remove the agitator. Pour clean, warm water over the extruding head until the evaporator assembly and the reservoir are full and the water starts to overflow into the drain pan. Plug the icemaker back in, then move the power switch to the "ON" position. Allow the water system to drain completely.
- 9) Move the power switch to the "OFF" position, then unplug the icemaker.
- 10) Move the control switch to the "ICE" position. Replace the air filter, louver, agitator, bin top, and panels in their correct positions.
- 11) Open the water supply line shut-off valve to supply water to the reservoir. Move the power switch to the "ON" position to start the automatic icemaking process. Allow the icemaker to run for about 30 minutes.
- 12) Move the power switch to the "OFF" position, then remove the louver and air filter. Move the control switch to the "DRAIN" position, then move the power switch to the "ON" position. Allow the water system to drain completely.
- 13) Dispense all of the ice from the storage bin.
- 14) Move the power switch to the "OFF" position, then unplug the icemaker.
- 15) Remove the front panel, top panel, and bin top. Remove the agitator and drip ring.
- 16) Wipe down the inside of the storage bin, inside of the bin top, the agitator, and drip ring with a clean cloth.

- 17) Move the control switch to the "ICE" position. Replace the air filter, louver, drip ring, agitator, bin top, and panels in their correct positions. On the push-button model, reconnect the connector. **WARNING! CHOKING HAZARD: Ensure all components, fasteners, and thumbscrews are securely in place. Make sure that none have fallen into the storage bin.**
- 18) Plug in the icemaker, then move the power switch to the "ON" position to start the automatic icemaking process.

B. Maintenance

This icemaker must be maintained individually, referring to the instruction manual and labels provided with the icemaker. The schedule below is a guideline. More frequent maintenance, however, may be required depending on water quality, the icemaker's environment, and local sanitation regulations.

Consult with your local distributor about inspection and maintenance service. To obtain the name and phone number of your local distributor, visit www.hoshizaki.com or call Hoshizaki Technical Support at 1-800-233-1940.

⚠ WARNING

1. Only qualified service technicians should attempt to service or maintain this icemaker.
2. Disconnect power before performing maintenance.

Maintenance Schedule		
Frequency	Area	Task
Every 2 Weeks	Air Filter	Inspect. Wash with warm water and neutral cleaner if dirty.
Monthly	External Water Filters	Check for proper pressure and change if necessary.
	Icemaker Exterior	Wipe down with a 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 6 Months	Icemaker and Storage Bin	Clean and sanitize per the cleaning and sanitizing instructions provided in this manual.
	Gear Motor Drain Pan	Wipe down with a clean cloth and warm water.
	Icemaker Drain	Check to make sure it is clear.
Yearly	Inlet Water Valve, Dispense Water Valve, and Drain Valve	Close the water supply line shut-off valve and drain the water system. Clean the inlet water valve and dispense water valve screens and clean and inspect the drain valve.
	Water Hoses	Inspect the water hoses and clean/replace if necessary.
	Condenser	Inspect. Clean if necessary by using a brush or vacuum cleaner.
	Icemaker	Inspect for oil spots, loose components, fasteners, and wires.
	Upper Bearing (extruding head)	Check for wear using .02" round stock or pin gauge. Replace both upper bearing and lower bearing if wear exceeds factory recommendations. See the Service Manual for details.
After 3 Years, then Yearly	Upper Bearing (extruding head); Lower Bearing and O-Ring (lower housing); Mechanical Seal; Evaporator Cylinder; Auger	Inspect. Replace both upper bearing and lower bearing if wear exceeds factory recommendations. Replace the mechanical seal if the seal's contact surfaces are worn, cracked, or scratched. See the Service Manual for details.

C. Preparing the Icemaker for Long Storage

CAUTION

When the icemaker is not used for two or three days under normal conditions, it is sufficient to only move the power switch to the "OFF" position. When storing the icemaker for extended time or in sub-freezing temperatures, turn the water off and drain out all water from the water lines and remove the ice from the storage bin. The storage bin should be cleaned and dried. Drain the icemaker water hoses using air or carbon dioxide to prevent damage at sub-freezing temperatures.

- 1) Close the water supply line shut-off valve and open the water supply line drain valve.
- 2) Dispense all of the ice from the storage bin.
- 3) Move the power switch to the "OFF" position, then remove the louver and air filter. See Fig. 5. Move the control switch to the "DRAIN" position, then move the power switch to the "ON" position. Allow the water system to drain completely (you will see the water draining into the drain pan).
Note: To ensure that the drain valve opens immediately, you must move the power switch to the "OFF" position before moving the control switch to the "DRAIN" position. Otherwise, you may have to wait 2.5 minutes for the components to cycle down before the drain valve opens.
- 4) Attach a compressed air or carbon dioxide supply to the water supply line drain valve.
- 5) While engaging the water dispense switch, blow out the water dispense valve using the compressed air or carbon dioxide supply. After blowing out the water dispense valve, leave the compressed air or carbon dioxide supply flowing. Move the control switch to the "ICE" position to open the inlet water valve and briefly blow out the valve. After blowing out the inlet water valve, move the power switch to the "OFF" position.
- 6) Close the water supply line drain valve.
- 7) Unplug the icemaker.
- 8) Remove the front panel. On the push-button model, disconnect the connector. Remove the top panel and bin top. Clean the storage bin liner and the inside of the bin top using a neutral cleaner. Rinse thoroughly after cleaning. **CAUTION: Be sure to keep the switch mounted on the bin top dry.** Dry the storage bin liner and the inside of the bin top using a clean cloth.
- 9) Replace the air filter, louver, bin top, and panels in their correct positions. On the push-button model, reconnect the connector. **WARNING! CHOKING HAZARD: Ensure all components, fasteners, and thumbscrews are securely in place. Make sure that none have fallen into the storage bin.**

HOSHIZAKI AMERICA, INC.

618 Hwy. 74 S., Peachtree City, GA 30269 USA | TEL (770) 487-2331 | FAX (770) 487-3360 | www.hoshizaki.com | 91A23B10C