

QUICK START GUIDE



Viking Commercial Ice • VCCC115 • 15" Craft Ice Machine

30708 Rev_A

QUICK START GUIDE

WELCOME TO VIKING COMMERCIAL

Congratulations on your purchase!

Viking is synonymous with decades of innovation and craftsmanship. Our industry-leading appliances set the standards. Delivering professional performance and stunning design. Our products have become the standard for elite chefs around the world.

PRODUCT INFORMATION

Looking for additional information on your product? User Guides, Spec Sheets, and Product Warranty information are available online at vikingrange.com/commercial.

PROPERTY DAMAGE / INDUSTRY CONCERNS

In the unlikely event property damage or personal injury is suspected related to a Viking Commercial product, please take the following steps:

1. Customer Care must be contacted at +1.616.754.5601
2. Service or repairs performed on the unit without prior written approval is not permitted. If the units have been altered or repaired in the field without prior written approval, claims will not be eligible.

GENERAL INQUIRIES

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commercial@vikingrange.com

SERVICE & PARTS ASSISTANCE

Monday – Friday 8:00 am to 4:30 pm CST
+1.616.754.5601

Service Email: commercialservice@vikingrange.com

CONNECT WITH US AT MIDDLEBY REFRIGERATION

QUICK START GUIDE

This Quick Start Guide covers the basics of installation and general use of your product.

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For more details, see the complete User Guide & Service Manual on vikingrange.com/commercial.

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Safety and Warning

NOTICE

Please read all instructions before installing, operating, or servicing the appliance.

Use this appliance for its intended purpose only and follow these general precautions with those listed throughout this guide:

SAFETY ALERT DEFINITIONS

Throughout this guide are safety items labeled with a Danger, Warning, or Caution based on the risk type:

DANGER

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

WARNING

Warning means that failure to follow this safety statement could result in serious personal injury or death.

CAUTION

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

DANGER

This unit contains R600a (Isobutane) which is a flammable hydrocarbon. It is safe for regular use. Do not use sharp objects to expedite defrosting. Do not service without consulting the “R600a specifications” section included in the User Guide. Do not damage the refrigerant circuit.

WARNING

Service must be done by factory authorized service personnel. Any parts shall be replaced with like components. Failure to comply could increase the risk of possible ignition due to incorrect parts or improper service.

CALIFORNIA PROPOSITION 65

This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

www.P65warnings.CA.gov

CAUTION

This equipment is to be installed with adequate backflow protection to comply with applicable federal, state and local codes.

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Environmental Requirements

This model is intended for indoor/interior applications only and is not to be used in installations that are open/exposed to natural elements.

This unit is designed to operate between 50°F (10°C) and 100°F (38°C). Higher ambient temperatures may reduce the unit's ability to reach low temperatures and/or reduce ice production on applicable models.

For best performance, keep the unit out of direct sunlight and away from heat generating equipment.

In climates where high humidity and dew points are present, condensation may appear on outside surfaces. This is considered normal. The condensation will evaporate when the humidity drops.



Damages caused by ambient temperatures of 40°F (4°C) or below are not covered by the warranty.

Electrical



SHOCK HAZARD — Electrical Grounding Required. Never attempt to repair or perform maintenance on the unit until the electricity has been disconnected.

Never remove the round grounding prong from the plug and never use a two-prong grounding adapter.

Altering, cutting or removing power cord, removing power plug, or direct wiring can cause serious injury, fire, loss of property and/or life, and will void the warranty.

Never use an extension cord to connect power to the unit.

Always keep your working area dry.

NOTICE

Electrical installation must observe all state and local codes. This unit requires connection to a grounded (three-prong), polarized receptacle that has been placed by a qualified electrician.

The unit requires a grounded and polarized 115 VAC, 60 Hz, 15A power supply (normal household current). An individual, properly grounded branch circuit or circuit breaker is recommended. A GFCI (ground fault circuit interrupter) is usually not required for fixed location appliances and is not recommended for your unit because it could be prone to nuisance tripping. However, be sure to consult your local codes.

See CUTOUT & PRODUCT DIMENSIONS for recommended receptacle location.

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Water Hookup

WATER SUPPLY

⚠ CAUTION

Observe and follow all local building codes when installing this appliance.

This ice machine must be connected to a potable cold water supply line, delivering water pressure between a minimum of 20 psi and a maximum of 120 psi.

Use 1/4" copper tubing for your water supply which is available at any local hardware or plumbing supply store. Route the 1/4" copper tubing to suit your installation being sure not to kink the tubing. Purchase enough copper tubing length to allow a coil to be formed behind the unit for a "service loop" which will allow the appliance to be pulled out from the installation for servicing or cleaning. (See Figure 11). Connect the copper tubing to the "top side" of a cold water pipe to prevent the ice-maker from plugging with sediment.

A shutoff valve is recommended on the water supply line to ease servicing the appliance. NOTE: A SELF-PIERCING TYPE VALVE IS NOT RECOMMENDED as they are prone to clogging with sediment which will create pressure drop reducing the water supply to the unit.

Connect the copper tubing water supply to the water valve inlet with a 1/4" compression nut fitting.

IMPORTANT: Secure the water supply line to the back of the cabinet with the screw and strain relief clamp provided in the corner of the back panel.

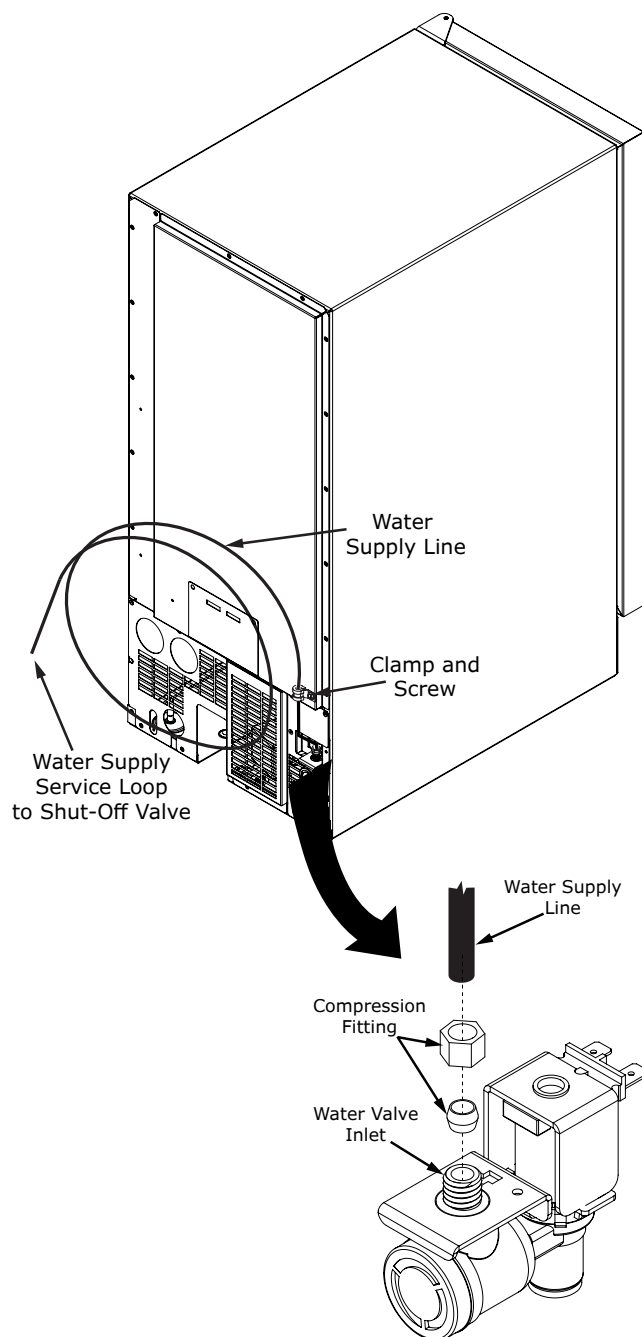
Make certain all connections are watertight after installation. Form the tubing so that it will not vibrate against the cabinet body or kink when your appliance is moved in and out of position.

This ice machine is designed to make clear ice from the majority of water sources on a daily basis. If your results are unsatisfactory, your water may need to be filtered or treated. A water specialist can recommend proper water treatment.

⚠ CAUTION

To prevent water leaks:

- The water line fitting is to be used with copper tubing only. Do not use with plastic tubing.
- Do not use any thread sealers on this water line fitting.



NOTE:

Reverse osmosis (RO) water, softened water, and de-ionized water are not recommended as they can adversely affect the quality and quantity of the ice.

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Drain

DRAIN CONNECTION

⚠ CAUTION

The floor drain must be large enough to accommodate drainage from all attached drains. Follow these guidelines when installing drain lines to prevent water from flowing back into the ice maker storage bin and/or potentially flowing onto the floor, which may result in personal injury or property damage

NOTICE

Drain can NOT be located directly below the unit. Unit has a solid base that will not allow the unit to drain below itself.

There is a possibility that hose connections may have loosened during shipment.

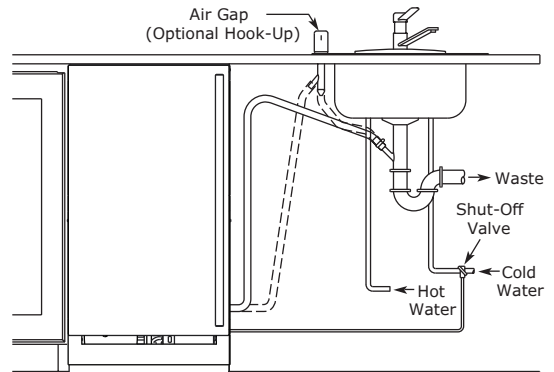
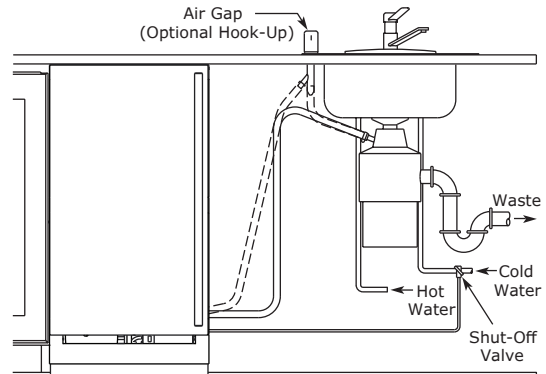
Verify all connections and fittings are free from leaks.

⚠ CAUTION

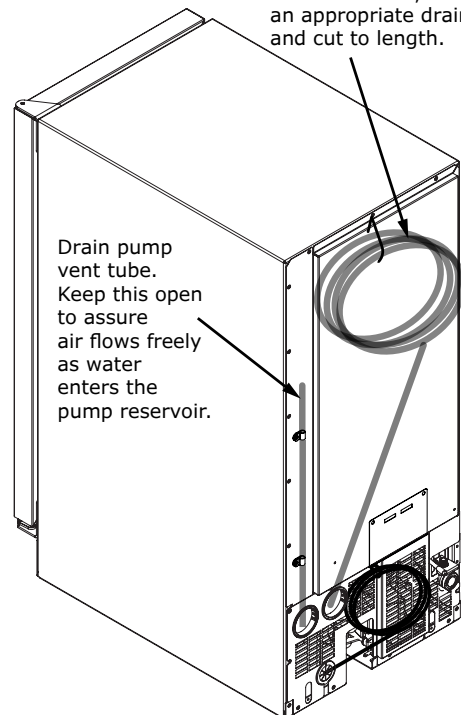
This equipment is to be installed with adequate backflow protection to comply with applicable federal, state and local codes

⚠ CAUTION

Failure to connect water supply or drain line connections properly can result in personal injury and property damage. Gravity drain connections must be routed downward from the rest of the unit at the rate of 1/4" per foot (1 cm per 50 cm).

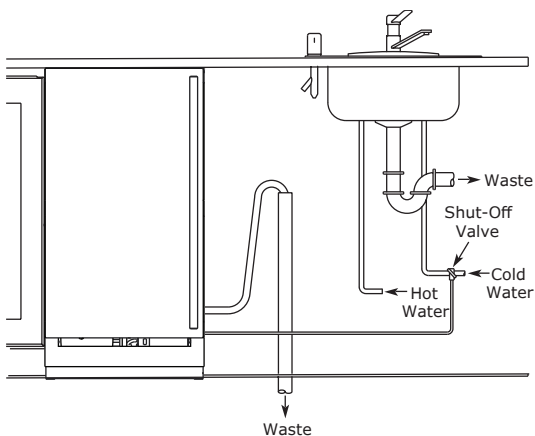


Drain line coiled and secured to the back of the cabinet. Uncoil, route to an appropriate drain, and cut to length.



NOTICE

The maximum lift for the drain pump is 10 feet. This must be done as close to the rear of the unit as possible.



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Door Adjustments

REVERSING THE DOOR

Location of the unit may make it desirable to mount the door on the opposite side of the cabinet.

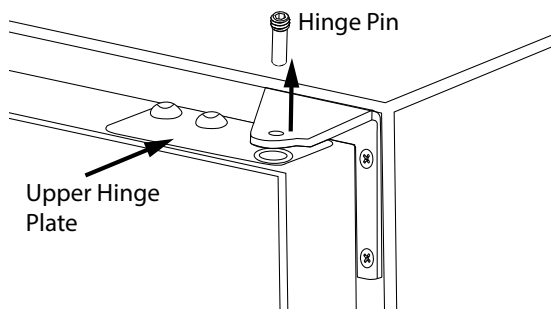
The hinge hardware will be removed and reinstalled on the opposite side of the cabinet.

TO REVERSE THE DOOR

Note: When reversing the door, the top hinge becomes the bottom hinge on the opposite side of the unit - likewise, the bottom hinge becomes the top on the other side.

REMOVE DOOR

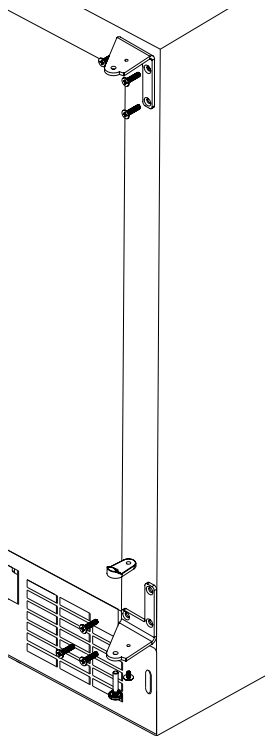
1. Remove hinge pin from upper hinge using a 1/8" hex key tool, making sure to steady the door.



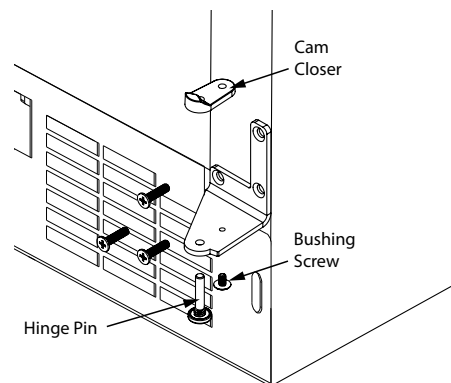
2. Let the door tilt forward and lift door from bottom hinge.

REMOVE HINGES

1. Using a Phillips screwdriver, remove the 6 screws from both the upper and lower hinges and save for later steps.

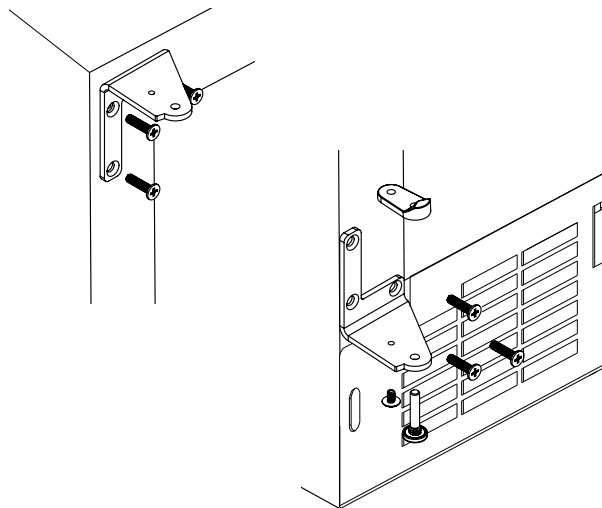
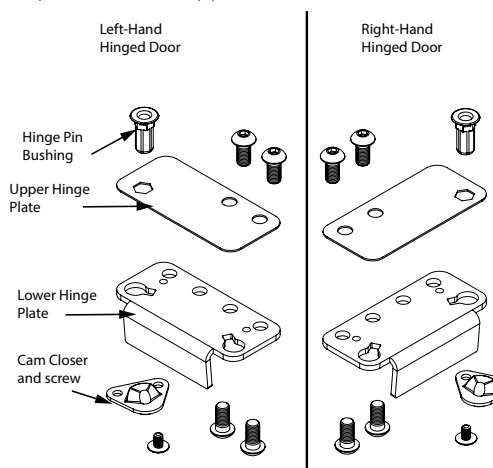


2. With a Phillips screwdriver, remove the bushing screw and hinge pin from the bottom hinge.



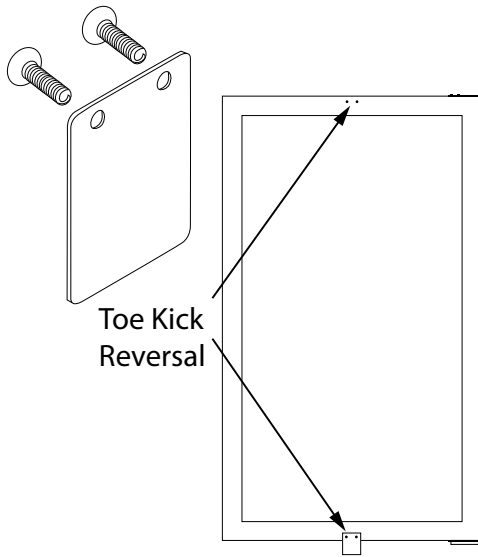
3. Remove the cam closer from the lower hinge bracket and save.
4. Using a 5/32" hex key, remove the upper and lower hinge brackets from the door, saving all components.
5. Remove black plugs from opposite side of door, flip the upper hinge bracket and reattach the hinge bushing and screw into place on the opposite side of door (where plugs were removed.)

6. Reattach the upper and lower hinges and hinge brackets to the opposite sides.



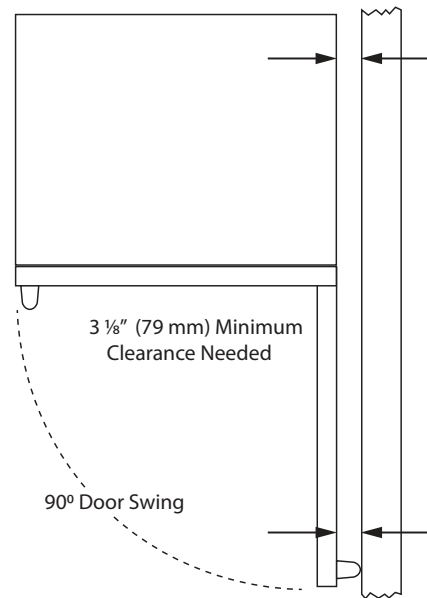
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7. Using a 5/8" socket, remove the toe kick from the door and attach it to the opposite side.



8. Reinstall the door.

Door Swing



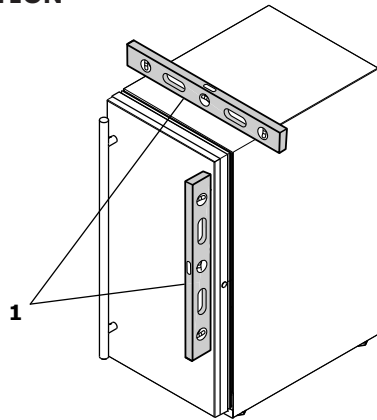
Stainless steel models require 3 1/8" (79 mm) door clearance to accommodate the handle if installed next to a wall.

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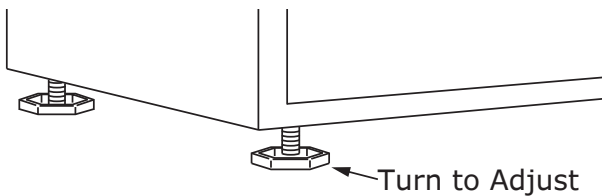
General Installation

LEVELING INFORMATION

1. Use a level to confirm the unit is level. Level should be placed along top edge and side edge as shown.



2. If the unit is not level, adjust the legs on the corners of the unit as necessary.



3. Confirm the unit is level after each adjustment and repeat the previous steps as needed.

INSTALLATION TIP

If the room floor is higher than the floor in the cutout opening, adjust the rear legs to achieve a total unit rear height of $\frac{1}{8}$ " (3 mm) less than opening's rear height. Shorten the unit height in the front by adjusting the front legs. This allows the unit to be gently tipped into the opening. Readjust the front legs to level the unit after it is correctly positioned in the opening.

INSTALLATION

1. Plug in the power/electrical cord.
2. Gently push the unit into position. Be careful not to entangle the cord or water and drain lines, if applicable.
3. Re-check the leveling, from front to back and side to side. Make any necessary adjustments. The unit's top surface should be approximately $\frac{1}{8}$ " (3 mm) below the countertop.
4. Remove interior packing material and wipe out the inside of the unit with a clean, water-dampened cloth.

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Integrated Panel Installation

Cut and prepare panels according to the information provided in the Integrated Panel Dimensions section.



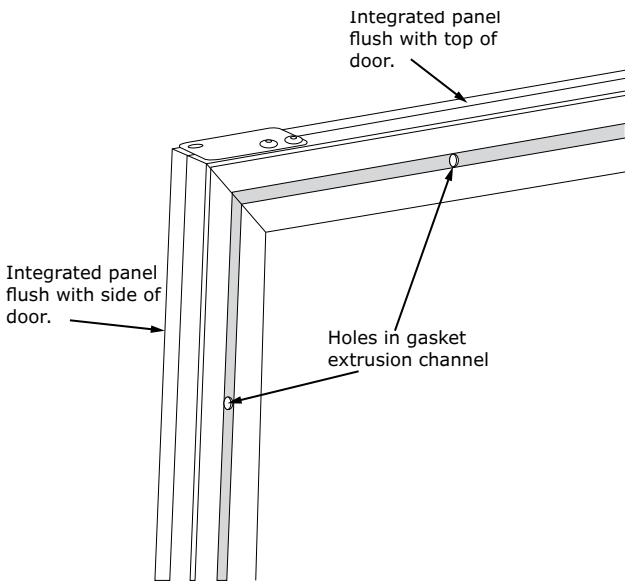
It is important to use the factory provided grille that came with the product to assure proper air flow is maintained through the condenser. The use of a custom grille is not recommended and will void the warranty.

REMOVE DOOR

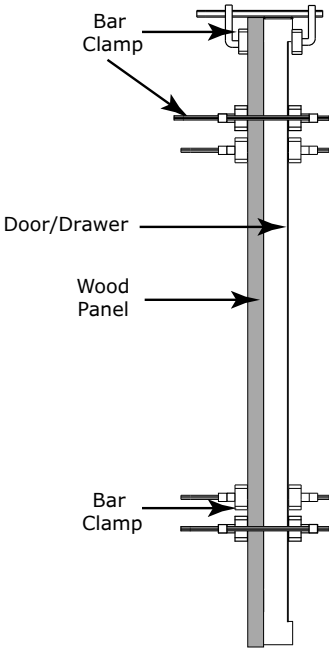
See Door Adjustments section.

ASSEMBLE THE PANEL TO THE DOOR

1. With the door laying on a flat surface and starting at the corner of the door, remove the magnetic door gasket from the interior side of the door. Set the gasket aside on a flat surface.
2. Align the panel to the door. Make sure the sides and top are flush.



3. With bar clamps or “C” clamps, secure the panel to the door



4. At each of the 10 holes in the gasket extrusion channel, drill pilot holes into the wood panel. Use the drill size from the chart in the table below being careful not to drill through the front surface of the panel.

Material Type	#10 Wood Screw
Hardwood	1/8" (3.2mm) Diameter Pilot Hole
Softwood	7/64" (2.8mm) Diameter Pilot Hole

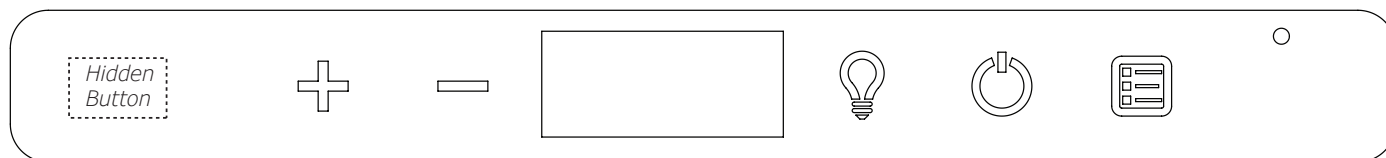
5. Fasten the panel to the door with the 10 screws provided in the literature pack.
6. Remove the clamps and replace the gasket in the gasket extrusion channel. Some force may be required to seat the gasket into the channel. Be sure the gasket corners are seated correctly.

INSTALL THE DOOR

See Door Adjustments section.

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Control Operation



Control Function Guide

Function	Command	Notes
ON/OFF	Press and release.	Unit will immediately turn ON or OFF.
Enable Sabbath Mode	Press and hold for 5 seconds and release.	The °F / °C symbol will flash briefly after 5 seconds. Interior light and display will go dark and remain so until user resets mode - unit continues to operate.
Disable Sabbath Mode	Press and release.	Display and interior light return to normal operation.
Silent Mode (ice production suspended for 3 hours)	Hold and .	Display will count down the hours: 3H, 2H, 1H
Clean Mode	See "Cleaning" section	
Showroom Mode	Hold and for 5 seconds.	The °F / °C symbol will flash. Display will be lit and interior light will function. Unit will not cool. Repeat command to return to normal operation.

Door Alert Notification

When the door is left open for more than 30 minutes:

- A tone will sound for several seconds every minute
- will appear in display
- Close door to silence alert and reset

First Use

Initial startup requires no adjustments. See CONTROL OPERATION section for more details.

NOTICE

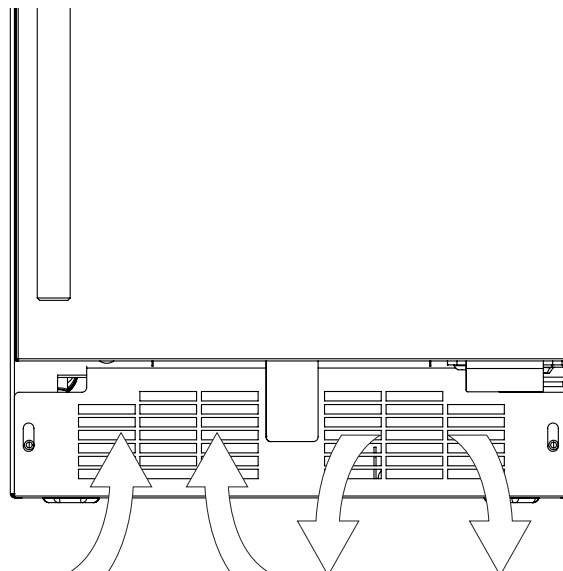
Discard the ice produced during the first two or three hours of operation to avoid possible dirt or scale that may dislodge from the water line.

When plugged in, the unit will begin operating under the factory default settings. If the unit was turned off during installation, simply press and the unit will immediately switch on. To turn the unit off, press and release.

Airflow and Product Loading

NOTICE

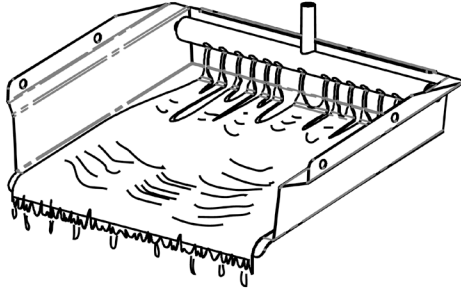
The unit requires proper airflow to perform at its highest efficiency. Do not block the front grille at any time, or the unit will not perform as expected. Do not install the unit behind a door.



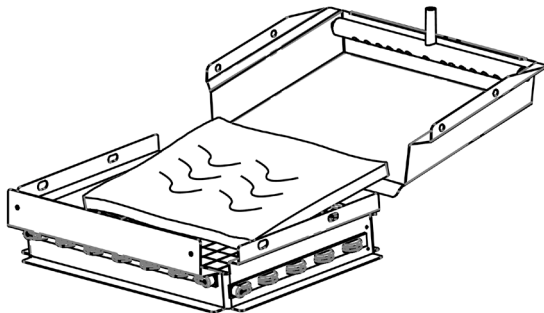
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ICE

Your ice machine is unique in how it forms ice with fractional freezing to form a slab of ice that is clear and has less dissolved solids than the water from which it is produced. This is accomplished by running water over the cold evaporator plate which gradually freezes the water to produce the ice slab. Pure water freezes first, leaving the dissolved solids in the residual reservoir water.

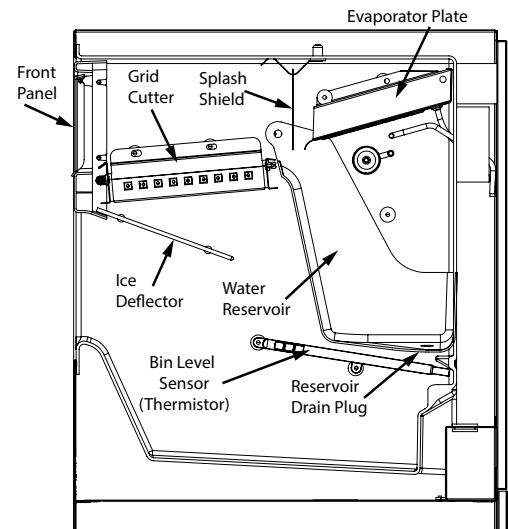
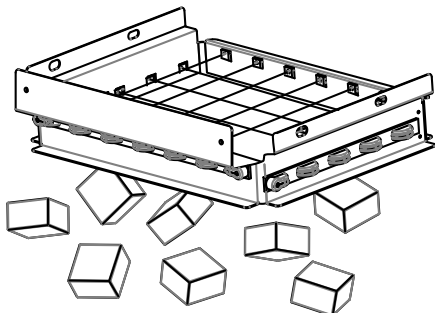


When the ice slab reaches the correct thickness, the ice sheet is released and slides onto the grid cutter. There, the ice slab is cut into cubes by the grid cutter's heated wires. The water containing the dissolved minerals is drained after each freezing cycle. Fresh water enters the machine for the next ice making cycle.



The ice machine will keep producing ice until the ice machine's bin is full, resuming automatically as needed. The ice bin is not refrigerated, and some melting will occur by design to preserve the ice quality and clarity. Allow your ice machine to run for 24-48 hours to accumulate ice.

The bin level sensor is located in the ice bin, it senses when the ice supply is low or full and starts or stops the ice-making process accordingly.



ICE PRODUCTION

In normal mode, the ice machine will produce up to 39 pounds (17.7 kg) of clear ice in a 24-hour period when installed in a 72° F ambient with a 55° F water supply.

Note:

"Initial" ice production and ice accumulated in the storage bin will vary significantly. This is normal. During the first 24-hours of operation the unit will produce up to 39 lbs of ice at the above ambient and water temperatures, but when starting with an empty ice storage bin, ice accumulation may only be 18 lbs. By design, the ice storage bin is maintained at a temperature slightly above freezing to allow the stored ice to slowly melt, to preserve the ice quality and clarity and assure a constant supply of fresh ice. As ice is accumulated in the bin, the ice production rate will over come the ice melt and the storage bin will fill to capacity.

NEW SOUNDS

The ice machine will make sounds that are different than your household refrigerator. The ice production process creates noises such as ice falling onto hard surfaces, water cascading across the evaporator, and valves opening and closing. Below are some of the sounds you may hear:

Buzzing - water valve opens to fill water reservoir.

Rattling - water flowing through water line.

Splashing - water flowing over evaporator plate and into reservoir.

A "Thud" - ice slab sliding down onto the grid cutter.

Clicks - ice cubes falling into the ice storage bin.

Gurgling - refrigerant flowing in the ice machine.

Air - the condenser fan.

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Cleaning

Homes with poor water quality or high clear ice usage might require more frequent cleaning.

To clean your ice machine you will need to purchase a "nickel safe" ice maker cleaner.

CAUTION

Use only manufacturer-approved ice machine cleaner and follow all label warnings and directions. Incorrect chemical usage, and any damage that may result, is not covered by warranty.

Order ice machine cleaner online: www.u-line.com
Part # 80-55667-00

A "CLEAN" reminder will occur every 6 months to remind you that it may be time to clean your appliance. Over time mineral build up on the cold evaporator plate can occur which can adversely affect the quality of your ice. This build-up is dependent on your water source and usage. Normal ice production will continue while the "CLEAN" reminder is displayed. When reset, the "CLEAN" reminder will reset and not occur for another 6 months. If you choose to clean the appliance at this time, see the options menu section below.

Clean mode:

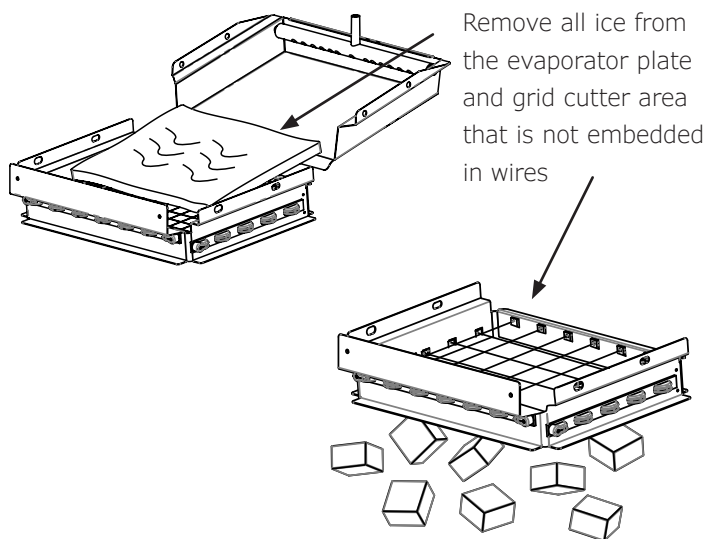
To ensure maximum performance and ice quality, it is recommended to clean your ice machine once every six months. This simple cleaning routine will also ensure water and energy use continues at optimum efficiency.

To Clean Your Ice Machine:

1. Turn the ice machine off by pressing and holding the "ON/OFF" icon for 3 seconds.
2. Remove all ice from the ice maker including from the evaporator and grid cutter.

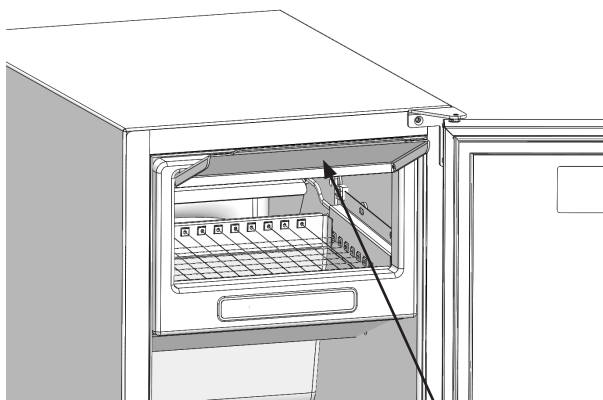
CAUTION

Forcing ice through the grid cutter will break the grid cutter wires.



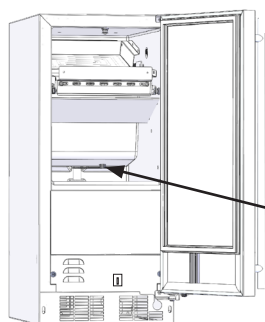
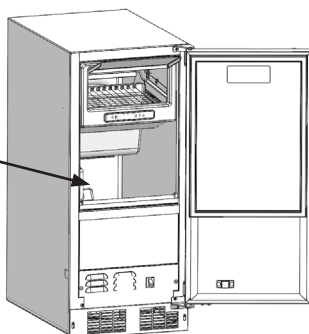
3. Drain the water from the water reservoir by removing the black plug from the bottom of the fresh water reservoir.
4. After the water is drained, replace the plug in the bottom of the reservoir.
5. Add cleaning solution to the evaporator plate - refer to your cleaning solution instructions to determine the proper amount of solution to add based on 2 quarts (1.9 liters) of water.
6. Turn the ice machine on
7. Turn on clean mode by holding CLEAN for 5 seconds.
8. Your ice maker will fill with water and circulate over the evaporator for two 15-minute cycles then will resume normal production.
9. Remove the first 2-3 new batches of ice from your ice maker before using.

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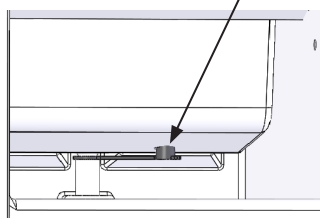


Lift splash shield up to access evaporator plate

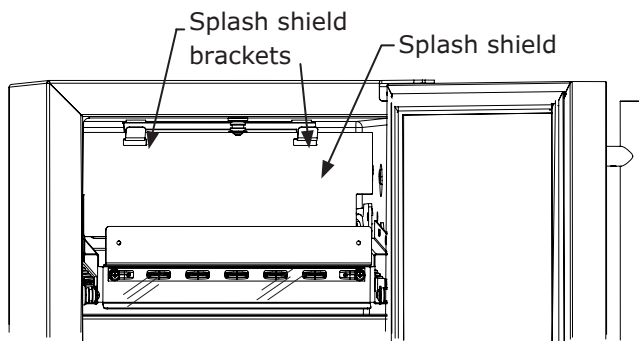
Remove all of the ice from the ice bin



Remove the black reservoir drain plug from the bottom of the reservoir.



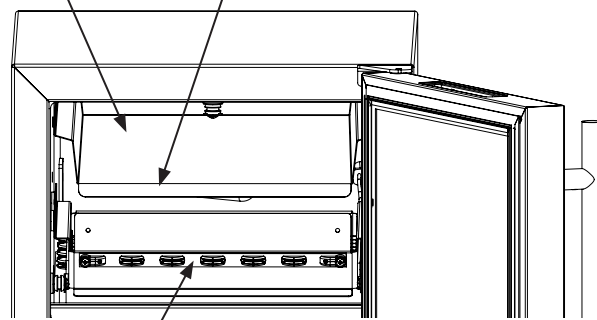
Lift splash shield up to access evaporator plate. Pour the cleaning solution slowly on the evaporator plate so it flows down into the fresh water reservoir.



Replace the splash shield if removed.

After the cleaning cycle is completed, verify that all build-up has been removed. If not, repeat the clean cycle procedure.

Evaporator plate
Pour cleaning solution slowly onto the front edge of evaporator plate behind the grid cutter.



Grid cutter

CABINET

The painted cabinet can be washed with a mild soap and water and thoroughly rinsed with clear water. NEVER use abrasive scouring cleaners.

EXTERIOR

Routine cleaning of the stainless steel surfaces will serve to greatly extend the life of your product by removing contaminants. This is especially important in coastal areas which can expose the stainless to severe contaminants such as halide salts (sodium chloride).

It is strongly recommended to periodically inspect and thoroughly clean crevices, weld points, under gaskets, rivets, bolt heads, and any locations where small amounts of liquid could collect, become stagnant, and concentrate contaminants. Additionally, any mounting hardware that is showing signs of corrosion should be replaced.

INTERIOR

Wash interior compartment with mild soap and water. Do NOT use an abrasive cleaner, solvent, polish cleaner, undiluted detergent or chlorine based cleaners.

Viking Commercial Limited Warranty

One Year Limited Warranty

For one year from the date of original purchase, this warranty covers all parts and labor to repair or replace any part of the product that proves to be defective in materials or workmanship. Service provided by Viking under the above warranty must be performed by a Viking factory authorized servicer, unless otherwise specified by Viking. Service provided during normal business hours.

Five Year Sealed System Limited Warranty

For five years from the date of original purchase, Viking will repair or replace the following parts, labor not included, that prove to be defective in materials or workmanship: compressor, condenser, evaporator, drier, and all connecting tubing. All service provided by Viking under the above warranty must be performed by a Viking factory authorized servicer, unless otherwise specified by Viking. Service provided during normal business hours.

Terms

These warranties apply only to products installed in any one of the fifty states of the United States, the District of Columbia, or the ten provinces of Canada. The warranties do not cover any parts or labor to correct any defect caused by negligence, accident or improper use, maintenance, installation, service, repair, acts of God, fire, flood or other natural disasters. The product must be installed, operated, and maintained in accordance with your product's User Guide.

The remedies described above for each warranty are the only ones that Viking will provide, either under these warranties or under any warranty arising by operation of law. Viking will not be responsible for any consequential or incidental damages arising from the breach of these warranties or any other warranty, whether express, implied, or statutory. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. These warranties give you specific legal rights, and you may also have other rights which vary from state to state.

Any warranty that may be implied in connection with your purchase or use of the product, including any warranty of *merchantability* or any warranty *fit for a particular purpose* is limited to the duration of these warranties, and only extends to five years in duration for the parts described in the section related to the one year limited warranty above. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

- Service must be dispatched by the factory to be eligible for warranty coverage.
- The warranties only apply to the original purchaser and are non-transferable.
- Replacement water filters, light bulbs, and other consumable parts are not covered by these warranties.
- The start of Viking's obligation begins on the shipment date from the factory.
- Food, beverage, and medicine loss are not covered by these warranties.
- If the product is located in an area where Viking factory authorized service is not available, you may be responsible for a trip charge or you may be required to bring the product to a Viking factory authorized service location at your own cost and expense.
- Any product purchased as a floor display is covered by a 90-day warranty only.
- Signal issues related to Wi-Fi connectivity are not covered by these warranties.

For parts and service assistance, or to find Viking factory authorized service near you, contact Viking: 1260 E. Van Deinse Street, Greenville, MI 48838 • commercialservice@vikingrange.com • +1.616.754.5601