

# GETTING STARTED QUICK REFERENCE GUIDE

### MARVEL UNDERCOUNTER REFRIGERATION

MLCP215-SS81A

MLCP215-IS81A



THE ORIGINAL REFRIGERATION EXPERTS SINCE 1892

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#### Welcome to the Marvel Experience

Thank you for choosing our quality American-built product to add to your home. We are thrilled to welcome you to our growing community of Marvel owners, who trust in our products and our support.

The information in this guide is intended to help you install and maintain your new Marvel undercounter model to protect and prolong its lifetime. We encourage you to contact our Technical Support team at (616) 754-5601 with any questions.

#### Got a Marvelous Design?

We would love to see how your Marvel product looks in its new home. Send us photos at marketing@marvelrefrigeration.com, and we might feature your Marvel home design on our website and social media!

Thank you again for investing in Marvel for your home!

#### **Important Safety Instructions**

Warnings and safety instructions appearing in this guide are not meant to cover all possible conditions and situations that may occur. Common sense, caution, and care must be exercised when installing, maintaining, or operating this appliance.

### Recognize Safety Symbols, Words, and Labels.



**WARNING** - You can be killed or seriously injured if you do not follow these instructions.



**CAUTION-**Hazards or unsafe practices which could result in personal injury or property / product damage.

NOTE

**NOTE-**Important information to help assure a problem free installation and operation.

# WARNING

#### State of California Proposition 65 Warning:

This product contains one or more chemicals known to the State of California to cause birth defects or other reproductive harm.

# WARNING

**State of California Proposition 65 Warning:** This product contains one or more chemicals known to the State of California to cause cancer.

# WARNING

**WARNING** - 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 damage refrigerant circuit.

# WARNING

#### **EXCESSIVE WEIGHT HAZARD**

Use two or more people to move product. Failure to do so can result in personal injury.

#### **Remove Interior Packaging**

Your appliance has been packed for shipment with all parts that could be damaged by movement securely fastened. Remove internal packing materials and any tape holding internal components in place. The owners manual is shipped inside the product in a plastic bag along with the warranty registration card and other accessory items.

#### Important

Keep your carton and packaging until your appliance has been thoroughly inspected and found to be in good condition. If there is damage, the packaging will be needed as proof of damage in transit. Afterwards, please dispose of all items responsibly.

# WARNING

**WARNING** - Dispose of the plastic bags which can be a suffocation hazard.

#### Note to Customer

This merchandise was carefully packed and thoroughly inspected before leaving our plant. Responsibility for its safe delivery was assumed by the retailer upon acceptance of the shipment. Claims for loss or damage sustained in transit must be made to the retailer.

### NOTE

DO NOT RETURN DAMAGED MERCHANDISE TO THE MANUFACTURER - FILE THE CLAIM WITH THE RETAIL-ER.

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If the appliance was shipped, handled or stored in other than an upright position for any period of time, allow the appliance to sit upright for a period of at least 24 hours before plugging in. This will assure oil returns to the compressor. Plugging the appliance in immediately may cause damage to internal parts.

# WARNING

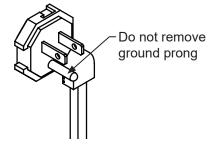
#### **WARNING - Help Prevent Tragedies**

Child entrapment and suffocation are not problems of the past. Junked or abandonded refrigerators are still dangerous, even if they sit outside for "just a few hours".

If you are getting rid of your old refrigerator, please follow the instructions below to help prevent accidents.

Before you throw away your old refrigerator or freezer:

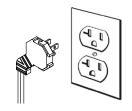
- Take off the doors or remove the drawers.
- Leave the shelves in place so children may not
- easily climb inside.



#### **Electrical Connection**

A grounded 115 volt, 15 amp dedicated circuit is required.

This product is factory equipped with a power supply cord that has a three-pronged, grounded plug. It must be plugged into a mating grounding type receptacle in accordance with the National Electrical Code and applicable local codes and ordinances. If the circuit does not have a grounding type receptacle, it is the responsibility and obligation of the customer to provide the proper power supply. The third-ground prong should not, under any circumstances, be cut or removed.



### NOTE

Ground Fault Circuit Interrupters (GFCI) are prone to nuisance tripping which will cause the appliance to shut down. GFCI's are generally not used on circuits with power equipment that must run unattended for long periods of time, unless required to meet local building codes and ordinances.

### WARNING

#### **Electrical Shock Hazard**

- Do not use an extension cord with this appliance. They can be hazardous and can degrade product performance.
- This appliance should not, under any circumstances, be installed to an un-grounded electrical supply. Do not remove the grounding prong from the power cord.
- Do not use an adapter.
- Do not splash or spray water from a hose on the appliance. Doing so may cause an electrical shock, which may result in severe injury or death.



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If the appliance was shipped, handled, or stored in other than an upright position for any period of time, allow the appliance to sit upright for a period of at least 24 hours before plugging in. This will assure oil returns to the compressor. Plugging the appliance in immediately may cause damage to internal parts.

# WARNING

#### WARNING - Help Prevent Tragedies

Child entrapment and suffocation are not problems of the past. Junked or abandoned refrigerators are still dangerous - even if they sit out for "just a few hours".

If you are getting rid of your old refrigerator, please follow the instructions below to help prevent accidents.

Before you throw away your old refrigerator or freezer:

- Take off the doors or remove the drawers.
- Leave the shelves in place so children may not easily climb inside.



#### **Outdoor Installation**

Do not install in a location where the ice machine will be exposed to direct sun exposure as this may result in unsatisfactory performance.

#### **Select Location**

The proper location will ensure peak performance of your appliance. We recommend a location where the ice machine will be out of direct sunlight and away from heat sources. To ensure your product performs to specifications, the recommended installation location temperature range is from 55 to 90°F (13 to 32°C) for built in ice machines and 55 to 100°F (13 to 38°C) for freestanding ice machines. Ice machines will not perform correctly in ambient temperatures less than 55°F (13°C).



The warranty is voided if product is used in an ambient temperature of  $40^{\circ}F$  (5°C) or below.

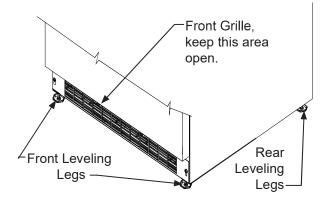
#### **Cabinet Clearance**

Ventilation is required from the bottom front of the appliance. Keep this area open and clear of any obstructions. Adjacent cabinets and counter top can be installed around the appliance as long as the front grille remains unobstructed. Overlay door models with articulated hinges are intended for built-in applications only.



#### **Front Grille**

Do not obstruct the front grille. The openings within the front grille allow air to flow through the condenser heat exchanger. Restrictions to this air flow will result in increased energy usage, loss of cooling capacity and low ice production. For this reason it is important this area not be obstructed and the grille openings kept clean. Marvel does not recommend the use of a custom made grille as air flow may be restricted.



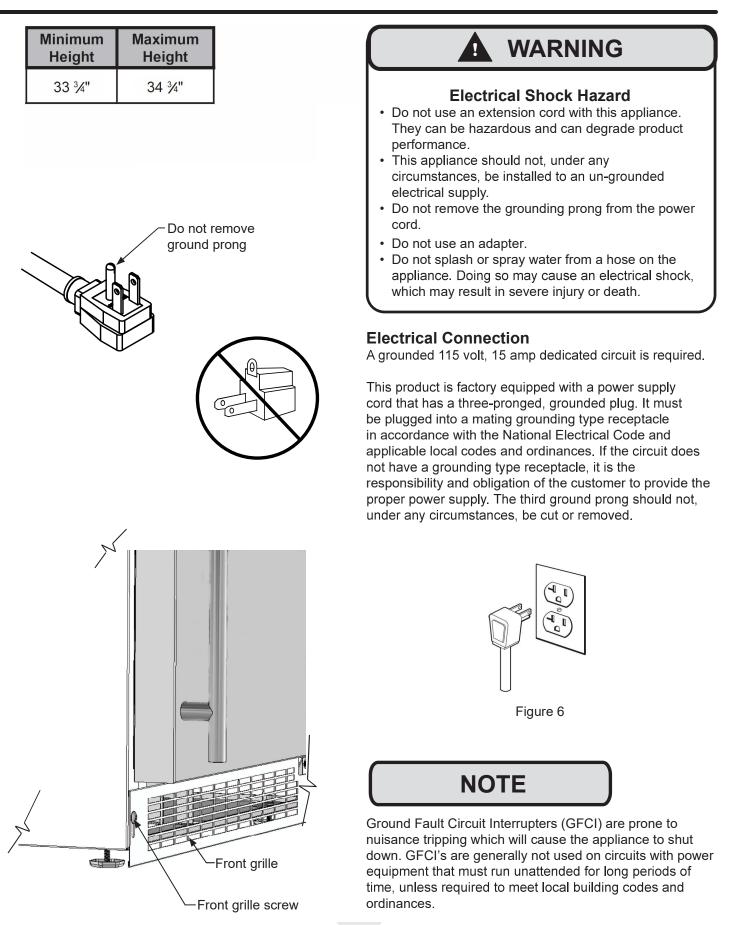
#### Leveling Legs

Adjustable legs at the front and rear corners of the appliance should be set so the unit is firmly positioned on the floor and level from side to side and front to back. The overall height of your Marvel appliance may be adjusted higher (by turning the leveling leg out) and lower (by turning the leveling leg in). Cabinet height adjustment dimensions are shown in the table on the next page.

To adjust the leveling legs, place the appliance on a solid surface and protect the floor beneath the legs to avoid scratching the floor. With the assistance of another person, lean the appliance back to access the front leveling legs. Raise or lower the legs to the required dimension by turning the legs. Repeat this process for the rear by tilting the appliance forward using caution. On a level surface check the appliance for levelness and adjust accordingly.

The front grille screws may be loosened to raise and lower the grille to the desired height. When adjustment is complete tighten the two front grille screws.

### **INSTALLING YOUR APPLIANCE**



### DOOR REVERSAL

#### **Door Reversing Instructions**

#### **Tools Needed:**

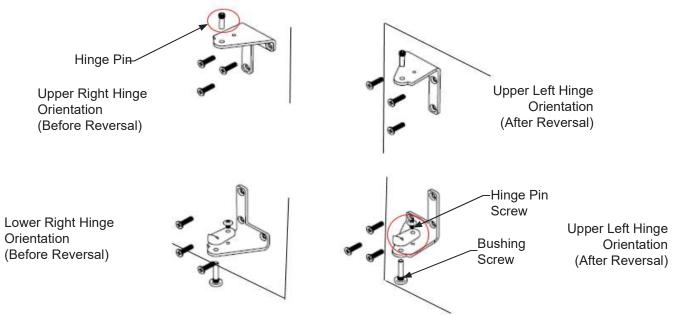
- 1/8" Hex Key
- 5/32" Hex Key
- Phillips Screwdriver

1. Open door and remove Hinge Pin from the Upper Hinge using a 1/8" Hex Key tool, making sure to steady the door Slowly remove the door from the Upper Hinge and lift to remove off the base Lower Hinge.

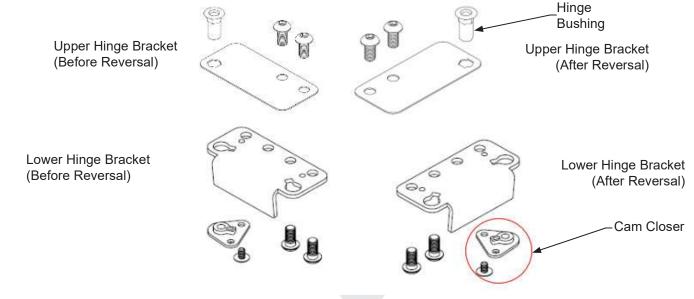
2. Using a Phillips Screwdriver, remove the 6 screws from both the Upper and Lower Hinges and save for later steps

3. Once the Hinges are removed from the unit, using a Phillips Screwdriver, remove the Bushing Screw and Hinge Pin Screw and save for later steps.

4. On the Bottom Hinge, reattach the Bushing Screw and Hinge Pin Screw to the opposite side.

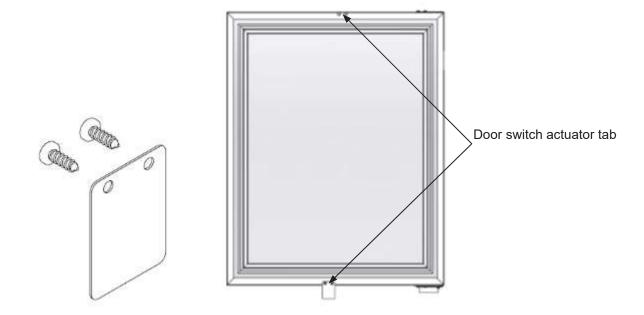


5. Using a 5/32" Hex Key, remove the Upper and Lower Hinge Brackets from the door, saving all components. Remove black plugs from opposite side of door. flip the Upper Hinge Bracket and reattach the Hinge Bushing and screw into place on the opposite side of the door (where plugs were removed). Remove the Cam Closer from the Lower-Hinge Bracket and attach it to the opposite side.

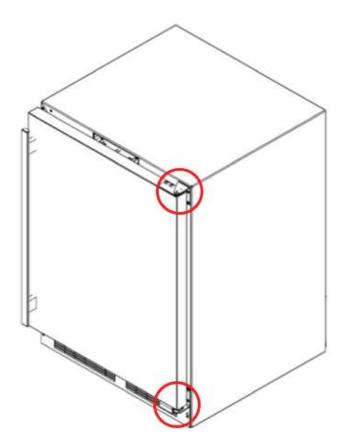


### **DOOR REVERSAL**

6. Remove the door switch actuator tab from the door and attach it to the opposite side



7. Reattach the Upper and Lower Hinges, and Hinge Brackets to opposite sides. Then install the door.



### USING YOUR ELECTRONIC CONTROLS



#### **Control Function Guide**

Function	Command	Notes
ON/OFF	Press ( ) and release.	Unit will immediately turn ON or OFF.
Adjust light color	Hold — and press and release $\widehat{\mathbb{Q}}$ . Press $\widehat{\mathbb{Q}}$ to scroll through lighting options.	Option Open Door Closed Door White White
		Image: BrightShield™  BrightShield™    Image: BrightShield™  BrightShield™
Toggle interior light - Door Closed	Press 🖗 and release to toggle interior light op- tion; press again to deactivate	Toggle depends on light color option above. Light output 50%
Enable Sabbath Mode	Press $\widehat{\mathbb{Q}}$ 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
Clean Mode	Hold 🗐 for 10 seconds to begin clean cycle.	Unit will return to normal operation upon completion cleaning. See "Care and Cleaning" section for more information.
Showroom Mode	Hold $-$ and $\bigcirc$ 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
- dr will appear in display
- Close door to silence alert and reset

#### First Use

Initial startup requires no adjustments. When plugged in, the unit will begin operating under the factory default settings. If the unit was turned off during installation, simply press (1) and the unit will immediately switch on. To turn the unit off, press (1).

#### BrightShield™



This model includes BrightShield<sup>™</sup> with Vyv<sup>™</sup> Antimicrobial Light Technology.

BrightShield™

- · Kills\* and prevents the growth of viruses, bacteria, fungi, yeasts, mold, and mildew
- · Provides continuous antimicrobial action to keep surfaces clean
- Is approved for continuous use around people, pets, & plants
- Reduces odors caused by bacteria, fungi, yeasts, mold, and mildew
- · Creates a cleaner environment for food, beverages, & ice

\* Testing on a non-enveloped virus (MS2 bacteriophage) showed a 97.12% reduction in controlled laboratory testing in 8 hours on hard surfaces. Testing on SARS-CoV-2 (enveloped virus) showed a 98.45% reduction in controlled laboratory testing in 4 hours on hard surfaces. Testing on MRSA E. coli showed 90%+ reduction in controlled laboratory testing in 24 hours on hard surfaces. Results may vary depending on the amount of light that is reaching the surfaces in the space

BrightShield<sup>™</sup> is most effective when used continuously. Your unit is factory-set to use BrightShield<sup>™</sup> lighting whenever the door is closed and standard bright white when the door is open. See Control Operations sections for details and other options.

For more information about BrightShield™ visit <u>www.marvelrefrigeration.com</u>

For more information about Vyv™ Antimicrobial Light Technology visit <u>www.vyv.tech</u>

#### Water Supply



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 // copper tubing for your water supply which is available at any local hardware or plumbing supply store. Route the // 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. 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.

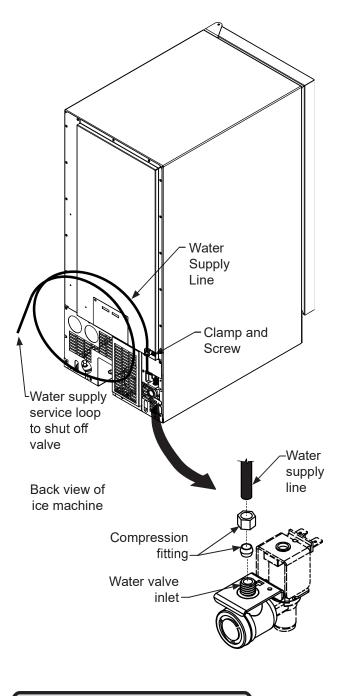
Make certain all connections are watertight after installation. Form the tubing so that it will not vibrate against the cabinet body or kink when your appliance is moved in and out of position.

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.



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.

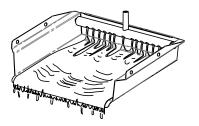


NOTE

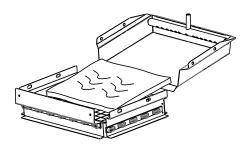
Reverse osmosis, (RO), water, softened water, and deionized water are not recommended as they can adversely affect the quality and quantity of the ice.

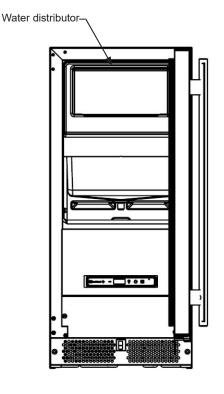
#### The Ice Making Process

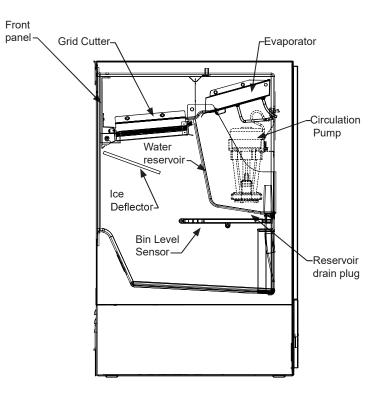
Your ice machine is unique in how it forms ice with fractional freezing to form a slab of ice that is clear and has less dissolved solids than the water it is produced from. This is accomplished by running water over the cold evaporator plate which gradually freezes the water to produce the ice slab.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



When the ice slab reaches the correct thickness, the ice sheet is released and slides onto the grid cutter. Here, the ice slab is cut into squares 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.

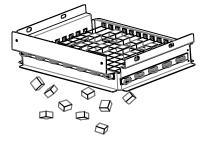






### **ICE MAKER OPERATION**

The ice machine will keep producing ice until the ice machine's bin is full and will restart automatically when ice needs to be replenished in the bin. 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 in the ice machine's bin.



#### **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.



"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 temperature conditions, but when starting with an empty ice storage bin, the storage bin may only accumulate up to 18 lbs of ice. 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 overcome the ice melt and the storage bin will fill to capacity.

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.

### NOTE

If the water supply is turned off to the ice machine be sure to set the electronic control to the "OFF" position or remove power to the unit.

#### **New Sounds**

The ice machine will make sounds that are different than your household refrigerator. Because these sounds are new to you they may be of a concern but are most likely normal. The ice production process will make noises that are not typical in a refrigeration product, ice falling onto hard surfaces, water cascading across the evaporator, and valves opening and closing. Following are some of the sounds that you may hear:

A buzzing sound will be heard when the water valve opens to fill the water reservoir.

A rattling noise which could be water flowing through the water line.

A splashing sound when water is flowing over the evaporator plate and into the water reservoir.

A "thud" when the ice slab is released from the evaporator plate and slides onto the grid cutter.

"Clicks" when the cubes fall into the ice storage bin.

A gurgling sound which is refrigerant flowing in the ice machine.

An air noise from the condenser fan.

#### **Clean reminder:**

While cleaning is needed, UI will alternate between "CL" and "ICE" every 3000 cycles to indicate that the unit needs to be cleaned. 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. The "CL" clean reminder will reset after your ice machine has completed the cleaning cycle and will not occur for another 3000 cycles.

#### Once you have your cleaner:

Turn the ice machine off by pressing and holding the "ON/OFF" icon for 3 seconds. "OFF" will be displayed on the control. Remove all ice from the ice bin. Drain the water from the water reservoir by removing the black plug from the bottom of the fresh water reservoir. After the water is drained, replace the plug in the bottom of the reservoir. Allow all of the ice to fall from the evaporator plate and remove any ice from the grid cutter. If there is ice embedded in the grid cutter wires, wait for it to melt and fall out. **Do not try to remove ice that is embedded in the grid cutter wires as that may break the wires.** Once ice has melted, machine is ready to be cleaned.

#### 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.

### NOTE

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

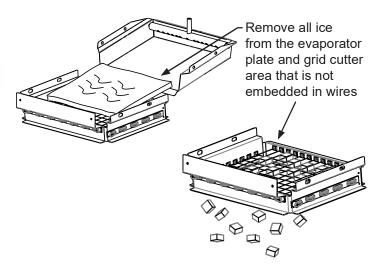
To clean your ice machine you will need to purchase a "nickel safe" ice maker cleaner. You can order ice machine cleaner (part # S41013789) at marvelrefrigeration.com.

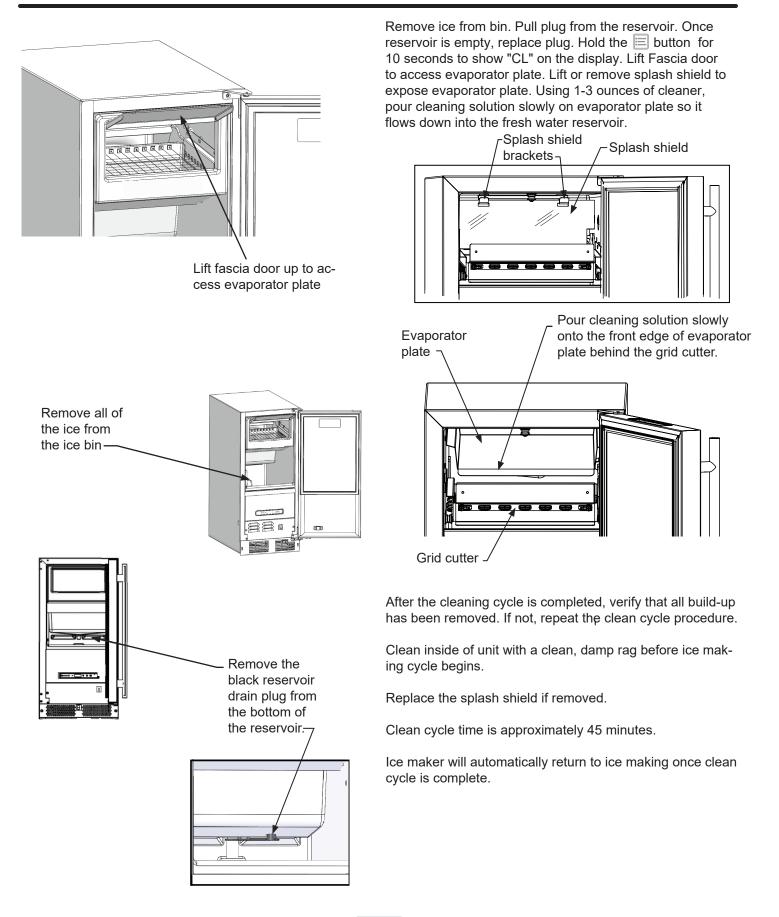


Use only Marvel-approved ice machine cleaner and follow all label warnings and directions. Incorrect chemical usage, and any damage that may result, is not covered by warranty.



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





#### Front Grille

Be sure that nothing obstructs the required air flow openings in front of the cabinet. At least once or twice a year, brush or vacuum lint and dirt from the front grille area.



**SHOCK HAZARD:** Disconnect electrical power from the appliance before cleaning with soap and water.

#### Cabinet

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

#### Cleaning

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 sever 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.

#### Care of Appliance

- 1. Avoid leaning on the door, you may bend the door hinges or tip the appliance.
- 2 Exercise caution when sweeping, vacuuming or mopping near the front of the appliance. Damage to the grille can occur.
- 3. Periodically clean the interior of the appliance as needed.
- 4. Periodically check and/or clean the front grille as needed.

#### In the Event of a Power Failure

If a power failure occurs, try to correct it as soon as possible. Minimize the number of door openings while the power is off so as not to adversely affect the appliance's temperature.

#### Light assembly replacement

All models use LED lamps to illuminate the interior of the appliance. This component is very reliable, but should one fail, contact a qualified service technician for replacement of the LED.

### Marvel Refrigeration (Marvel) Limited Warranty

#### **ONE YEAR LIMITED PARTS & LABOR 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. For products installed and used for normal residential use, material cosmetic defects are included in this warranty, with coverage limited to 60 days from the date of original purchase. All service provided by Marvel under the above warranty must be performed by a Marvel factory authorized servicer, unless otherwise specified by Marvel. Service provided during normal business hours.

#### TWO YEAR LIMITED PARTS & LABOR WARRANTY (MARVEL PROFESSIONAL PRODUCTS)

For two years 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. For products installed and used for normal residential use, material cosmetic defects are included in this warranty, with coverage limited to 60 days from the date of original purchase. All service provided by Marvel under the above warranty must be performed by a Marvel factory authorized servicer, unless otherwise specified by Marvel. Service provided during normal business hours.

#### AVAILABLE THIRD YEAR LIMITED WARRANTY (MARVEL PROFESSIONAL PRODUCTS)

For designated Marvel Professional product, Marvel offers a one year extension of the two year warranty coverage from the date of purchase, free of charge. To take advantage of this third year warranty, you must register your product with Marvel within 60 days from the date of purchase at marvelrefrigeration.com and provide proof of purchase. Nugget Ice Machine proof of purchase must include the purchase of an in-line water filter and filter head to qualify for this additional limited warranty.

#### LIMITED FIVE YEAR SEALED SYSTEM WARRANTY

For five years from the date of original purchase, Marvel 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 Marvel under the above warranty must be performed by a Marvel factory authorized servicer, unless otherwise specified by Marvel. Service provided during normal business hours.

#### WARRANTY 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 the Marvel User Guide.

The remedies described above for each warranty are the only ones that Marvel will provide, either under these warranties or under any warranty arising by operation of law. Marvel 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 five 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.
- The warranties only apply to the original purchaser and are non-transferable.
  These warranties cover products installed and used for normal residential use only.
- The warranties cover products instaned and used for horman residential use only.
  The warranties apply to units operated outside only if designed for outdoor use by model and serial number.
- Replacement water filters, light bulbs, and other consumable parts are not covered by these warranties.
- The start of Marvel's obligation is limited to four years after the shipment date from Marvel.
- In-home instruction on how to use your product is not covered by these warranties.
- Food, beverage, and medicine loss are not covered by these warranties.
- If the product is located in an area where Marvel 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 Marvel factory authorized service location at your own cost and expense.
- Units purchased after use as floor displays, and/or certified reconditioned units, are covered by the limited one year warranty only and no coverage is provided for cosmetic defects.
- Signal issues related to Wi-Fi connectivity are not covered by these warranties.

For parts and service assistance, or to find Marvel factory authorized service near you, contact Marvel Refrigeration:

MarvelRefrigeration.com • techsupport@MarvelRefrigeration.com • +616.754.5601

1260 E. Van Deinse St., Greenville, MI 48838



www.marvelrefrigeration.com

#### **Marvel Refrigeration**

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30701 Rev A

1/10/23

All specifications and product designs subject to change without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions, replacements or compensation for previously purchased products.