



Installation Operation and Maintenance Instructions

Nugget Ice Maker

MSNP115-SS01A

MLNP115-SS01A

MLNP115-IS01A



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Warranty Registration

It is important you register your warranty immediately after taking delivery of your appliance. You can register online at www.marvelrefrigeration.com.

The following information will be required when registering your unit.

Service Number
Serial Number
Date of Purchase
Dealer's name and address

The service number and serial number can be found on the serial plate which is located inside the cabinet on the right side of the ceiling. (See figure 1).


MARVEL SCIENTIFIC		 C US MC23873
GREENVILLE, MI 48838		
MODEL NO.	<input type="text"/>	
SERVICE NO.	<input type="text"/>	REV. <input type="text"/>
SERIAL NO.	<input type="text"/>	
VOLTS <input type="text"/>	HZ <input type="text"/>	PH <input type="text"/>
BTU/HR <input type="text"/>	AMPS <input type="text"/>	R134A <input type="text"/>
DESIGN PRESSURES		140 PSI LOW SIDE 300 PSI HIGH SIDE

Figure 1



WARNING

State of California Proposition 65 Warning:

This product contains one or more chemicals known to the State of California to cause cancer.



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..

Welcome

The information in this guide is intended to help you install and maintain your new Marvel product to protect and prolong the lifetime of your unit. We encourage you to contact our Technical Support team with any questions.

Phone: (616) 754-5601

Email:

- Customer Service: orderdesk@marvelrefrigeration.com
- Tech Support: techsupport@marvelrefrigeration.com

UNPACKING YOUR APPLIANCE

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

WARNING - Hazards or unsafe practices with high probability of personal injury or property / product damage.



CAUTION

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

NOTE

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



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.

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 RETAILER.



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 back or other injury.

INSTALLING YOUR APPLIANCE



CAUTION

If the unit was shipped or has been laying on its back 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.

Select Location

The proper location will ensure peak performance of your appliance. We recommend a location where the unit 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 50 to 100°F (10 to 38°C).

Cabinet Clearance

Ventilation is required from the bottom front section of the unit. Keep this area open and clear of any obstructions. Adjacent cabinets and counter top can be installed around the unit as long as the grille and door access remain unobstructed.



CAUTION

Front Grille

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



WARNING

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.

NOTE

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.

Electrical Requirements

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.

INSTALLING YOUR APPLIANCE

Anti-Tip Bracket - MSNP115

1. Slide unit out so screws on top of unit are easily accessible.
2. Remove the two screws from the opposite side of the hinge assembly using a T-25 Torx driver (see below).

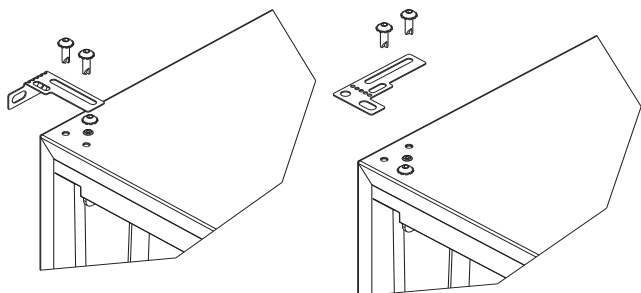


Figure 2

Figure 3

3. Place bracket over holes and attach to unit with two screws removed in step 2 using a T-25 Torx driver. Tighten screws fully.
4. Gently push unit into position. Be careful not to entangle the electrical cord or water line, if applicable.
5. Check to be sure the unit is level from front to back and side to side. Make any necessary adjustments. The unit's top surface should be approximately 1/8" (3 mm) below the countertop.
6. Secure bracket onto adjoining surface.

Anti-Tip Bracket - MLNP115

Use one of the methods below to secure the unit

CABINET/COUNTER ANTI-TIP INSTALLATION (For built-in applications)

1. Slide unit out so screws on front of unit are easily accessible.
2. Remove the two screws from the front of the unit.

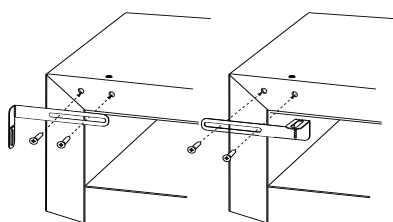


Figure 4

3. Bend bracket along one of the perforations to allow attachment to the desired adjoining surface.
4. Gently push unit into position. Be careful not to entangle the electrical cord or water line, if applicable.

5. Check to be sure the unit is level from front to back and side to side. Make any necessary adjustments. The unit's top surface should be approximately 1/8" (3 mm) below the countertop.

6. Secure bracket to adjoining surface.

Leveling Information

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

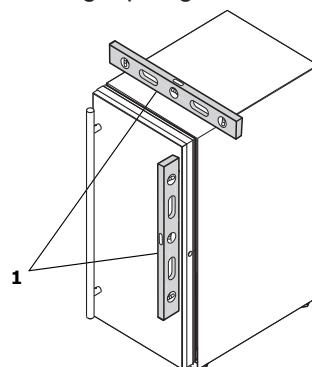


Figure 5

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

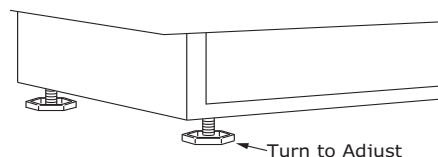


Figure 6

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

NOTE

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 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 1/8" (3 mm) below the countertop.
4. Install the anti-tip bracket.
5. Remove interior packing material and wipe out the inside of the unit with a clean, water-dampened cloth.

INSTALLING YOUR APPLIANCE

Grille Installation

REMOVING AND INSTALLING GRILLE



WARNING

WARNING - Disconnect electric power to the unit before removing the grille. When using the unit, the grille must be installed.



WARNING

WARNING - DO NOT touch the condenser fins. The condenser fins are SHARP and can be easily damaged.

Removing the grille

1. Disconnect power to the unit.
2. Loosen the two screws (1).
3. Remove grille (2) from unit.

Installing the grille

1. Align cabinet and grille holes and secure, but do not over tighten grille screws (1).
2. Reconnect power to the unit.

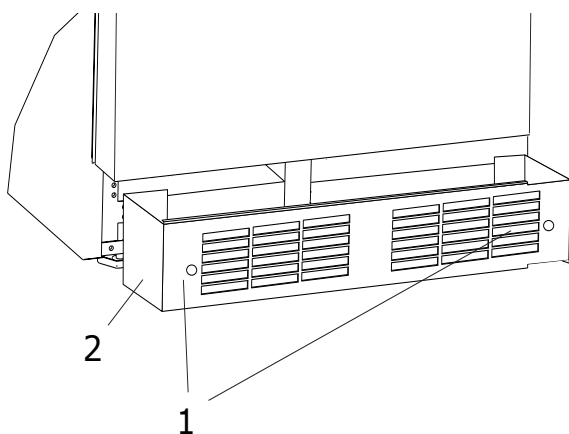


Figure 7

Door Swing

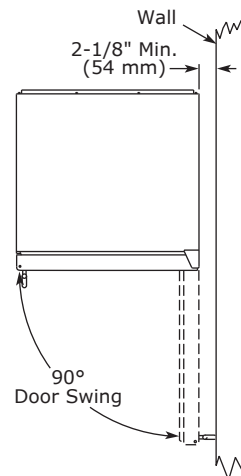


Figure 8

Units have a zero clearance for the door to open 90°, when installed adjacent to cabinets.

Stainless steel models require 2-1/8" (54 mm) door clearance to accommodate the handle if installed next to a wall.

Door Adjustments

HINGE COVER

Hinge cover included with the literature bag is optional.

To install hinge cover:

- Press hinge cover squarely over hinge.

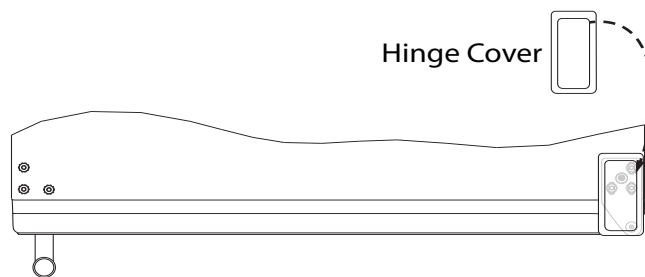


Figure 9

Door Alignment and Adjustment

Align and adjust the door if it is not level or is not sealing properly. If the door is not sealed, the unit may not cool properly, or excessive frost may form in the interior.

NOTE

Properly aligned, the door's gasket should be firmly in contact with the cabinet all the way around the door (no gaps). Carefully examine the door's gasket to ensure that it is firmly in contact with the cabinet. Also make sure the door gasket is not pinched on the hinge side of the door.

INSTALLING YOUR APPLIANCE

To align and adjust the door - MSNP115

1. Gently pry off hinge cover from top of unit.
2. Loosen (do not remove) top and bottom hinge screws using a Torx T-25 screwdriver.
3. Align door squarely with cabinet.
4. Make sure gasket is firmly in contact with cabinet all the way around the door (no gaps).
5. Tighten bottom hinge screws.
6. Tighten top hinge screws and replace hinge cover.

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

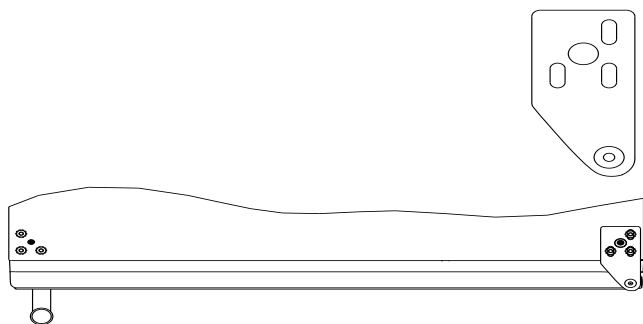


Figure 10

Remove top hinge door:

1. Hold door to keep it from falling.
2. Remove top hinge from cabinet using a Torx T-25 screwdriver to remove three screws. Set aside and save for possible future use.

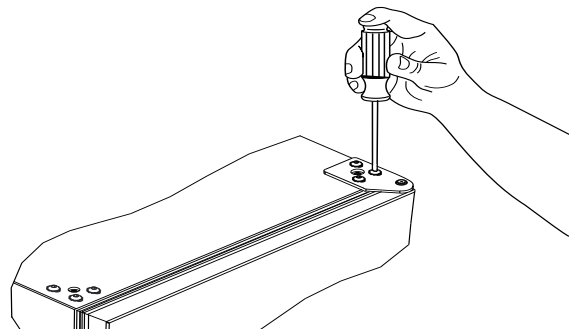


Figure 11

3. Remove door by tilting forward and lifting door off bottom hinge. Retain shoulder washers; they will be reused.
4. Remove three screws from hinge holes on the opposite side. Reinstall into holes where the hinge was removed. (If utilizing supplied screw cover, install just one screw.)

Remove bottom hinge:

1. Remove bottom hinge from cabinet using a T-10 TORX screw driver to remove three screws.

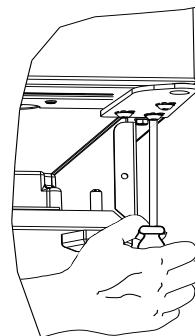


Figure 12

2. Remove corresponding screws on opposite side of cabinet. On some models there may be a nut behind one or both screws on either side.

Install bottom hinge:

Install two or three screws, depending on model. Replace nuts if used.

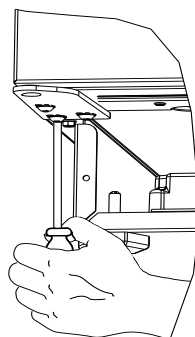


Figure 13

INSTALLING YOUR APPLIANCE

Door Adjustments - MLNP115

DOOR ALIGNMENT AND ADJUSTMENT

Align and adjust the door if it is not level or not sealing properly. If the door is not sealed, the unit may not cool properly, or excessive frost or condensation may form in the interior.

NOTE

Properly aligned, the door's gasket should be firmly in contact with the cabinet all the way around the door (no gaps). Carefully examine the door's gasket to ensure that it is firmly in contact with the cabinet. Also make sure the door gasket is not pinched on the hinge side of the door.

CAUTION

Do not attempt to use the door to raise or pivot your unit. This would put excessive stress on the hinge system.

Alignment and Adjustment Procedure

1. Open door and remove gasket near the hinges.
2. Using a T-25 Torx bit, loosen each pair of Torx head screws both the upper and lower hinge plates.
3. Square and align door as necessary.
4. Tighten Torx head screws on hinge.
5. Reinstall gasket into the channel starting at the corner.

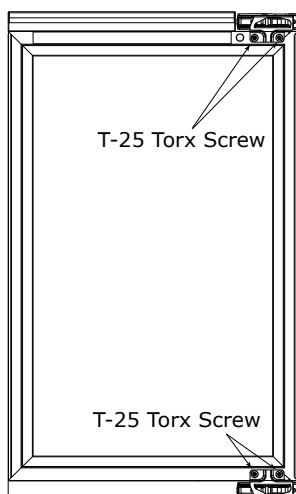


Figure 14

REVERSING THE DOOR

1. Open door.
2. Using T-25 Torx bit loosen screw #1 and remove screw #2 on top and bottom hinge. Slide and remove the door from the unit.

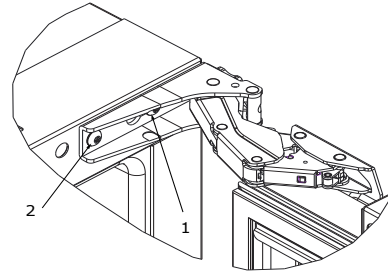


Figure 15

NOTE

One hinge includes a metal spacer. Spacer must be used with that hinge when reversing the door.

3. Remove caps from screw heads on opposite side (2 on top and 2 on bottom). Using #2 Phillips bit, remove the 4 underlying screws. Reinstall the screws and caps on the opposite side.
4. Partially install screw #1 in the outer most holes on top and bottom. Rotate door 180°, align hinge over screw #1 and slide/seat into position. Reinstall screw #2 on top and bottom. Tighten both screws and install hinge cover.

Align and adjust the door:

Align and adjust the door (see DOOR ALIGNMENT AND ADJUSTMENT).

INSTALLING YOUR APPLIANCE

Prepare door for reinstallation:

1. Remove gasket. This will reveal mounting holes for the magnet assembly.
2. Remove magnet assembly from door with T-10 TORX driver. Be sure to only remove the two screws holding the assembly to the door. Reinstall on the opposite end of the door.
3. Rotate gasket 180°, aligning notch with magnet assembly and pressing firmly into the gasket channel starting at the corners.
4. Rotate door 180° to reverse.

Install top hinge and door:

1. Install hinge with longer straight edge aligned to outside edge of cabinet. Do not tighten.

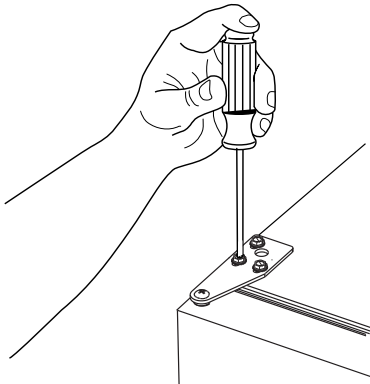


Figure 16

2. Lift the door on to the bottom hinge.
3. Align edge of the hinge with the outer edge of the unit.
4. Tighten three hinge screws.

Side-by-Side Installation

Two units may be installed side-by-side. Cutout width for a side-by-side installation is the cutout dimension of a single unit times two. No trim kit is required. However, 1/4" (6 mm) of space needs to be maintained between the units to ensure unobstructed door swing. Units must operate from separate, properly grounded electrical receptacles placed according to each unit's electrical specifications requirements.

Side-by-Side Installation with Bracket

1. Slide both units out so screws on top of units are easily accessible.
2. Remove screws as shown below.

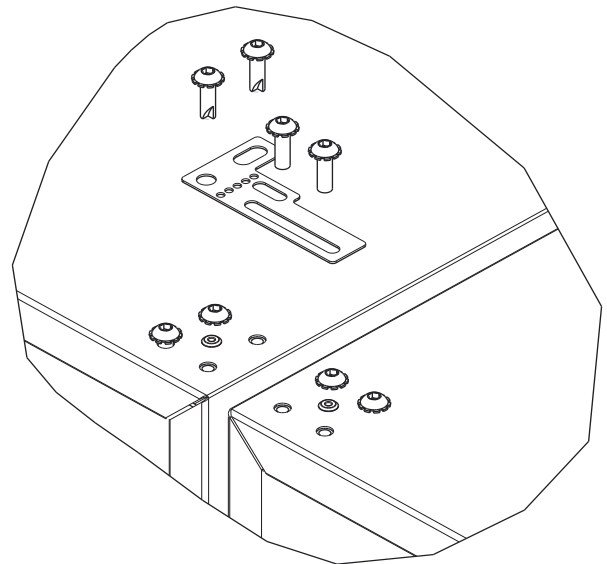


Figure 17

3. Place bracket over holes and attach to unit with two screws removed in step 2 using a T-25 Torx driver. Tighten screws fully.
4. Gently push units into position. Be careful not to entangle the electrical cord or water line, if applicable.
5. Re-check the leveling, from front to back and side to side. Make any necessary adjustments. The unit's top surface should be approximately 1/8" (3 mm) below the countertop.

INSTALLING YOUR APPLIANCE

Panel Installation

MLNP115-IS01A ONLY

3/4" (20 mm) panel
14 $\frac{5}{16}$ " (379 mm) width
30" (762 mm) height

1. Fully open door.
2. Starting at corner, pull gasket away from door.
3. Continue to pull gasket free from gasket channel.
4. Upon removal, lay gasket down on a flat surface.
5. Align top of panel with top edge of door. Center panel on door.

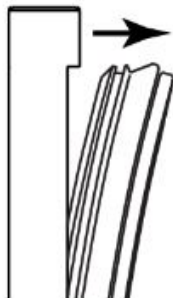


Figure 18

NOTE

Due to differences in floor construction or surrounding cabinetry, the panel may not sit flush with the top of the door.

6. Secure integrated panel to door using clamps. A robust tape may also be used. U-Line recommends the use bar clamps to secure the panel to the door. If using tape, be certain the tape will not damage panel finish upon removal.
7. Using a 7/64" (3 mm) drill bit, drill 6 pilot holes into the wood panel 1/2" (12 mm) deep using the holes in the door frame as a guide.

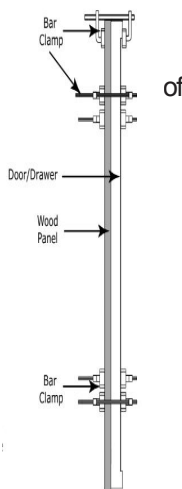


Figure 19

NOTE

It is important to ensure that all drilled holes are drilled to the correct depth in order to avoid splits in the wood when hardwood is installed.

8. Locate 6 of the #6x 1-1/2" (38 mm) screws provided with your unit.

9. Using a Phillips screwdriver, place one screw into each of the 6 pilot holes and screw down. Do not over-tighten screws.

10. Ensure the screws sit flush against the bottom of the channel.

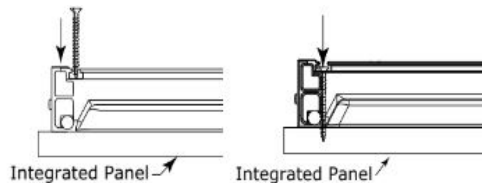


Figure 20

11. Remove clamps from door.

NOTE

If panel requires additional adjustment after removing clamps, slightly loosen each screw and adjust panel as necessary. Tighten screws upon completion.

12. Starting at the corners, re-install the gasket into the gasket channel in the frame. Make sure the gasket is fully seated.

INSTALLING THE DRAIN PLUMBING

Drain

This model comes equipped with a factory installed drain pump.

CONNECT DRAIN LINE

! CAUTION

Failure to connect water supply or drain line connections properly can result in personal injury and property damage.

See below for typical installations requiring a drain pump.

Stand Pipe

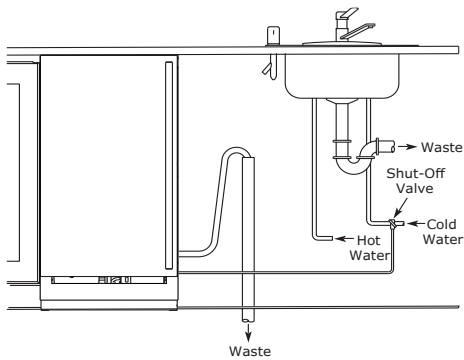


Figure 21

Disposal Assembly

Disposal Assembly
P60 Pump Required

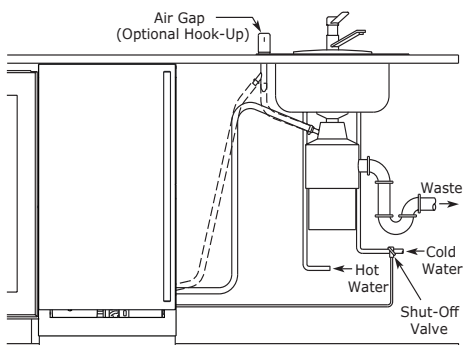


Figure 22

Y-Branch Tail Piece

Y-Branch Tailpiece
P60 Pump Required

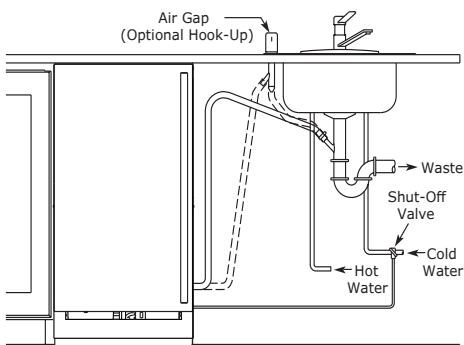


Figure 23

NOTE

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

INSTALLING THE WATER SUPPLY

Water Hookup

PREPARE PLUMBING

The water valve uses a standard 1/4" (6.35 mm) compression fitting.

CAUTION

Plumbing installation must observe all state and local codes. All water and drain connections **MUST BE** made by a licensed/qualified plumbing contractor. Failure to follow recommendations and instructions may result in damage and/or harm.

Water Supply Connection

When connecting the water supply, please note the following:

- Before installing the unit and connecting to the cold water supply, review the local plumbing codes.
- The water pressure should be between 20 and 120 psi (138 and 827 kPa).
- The water line **MUST** have a shut-off valve in the supply line.
- The water line should be looped into 2 coils. This will allow the unit to be removed for cleaning and servicing. Make certain that the tubing is not pinched or damaged during installation.

WARNING

WARNING - Connect to potable water supply only.

- Water Mineral Content:
- TDS: greater than 5 ppm (mg/l) but less than 400 ppm (mg/l)
- Hardness: less than 200 mg/l (12 gpg)
- Not recommended for use with softened water

CAUTION

Do not use any plastic water supply line. The line is under pressure at all times. Plastic may crack or rupture with age and cause damage to your home. Do not use tape or joint compound when attaching a braided flexible water supply line that includes a rubber gasket. The gasket provides an adequate seal – other materials could cause blockage of the valve. Failure to follow recommendations and instructions may result in damage and/or harm, flooding or void the product warranty. Use new hose set. Do not reuse old hose set.

CAUTION

Turn off water supply and disconnect electrical supply to unit prior to installation. Use caution when handling back panel. The edges could be sharp.

1. Turn off water supply and disconnect electrical supply to product prior to attempting installation.
2. Remove the back panel.
3. Thread water line through back panel hole (with bushing).
4. Locate water valve inlet and connect to valve.
5. Turn on water supply and check for leaks.
6. Reinstall back panel.

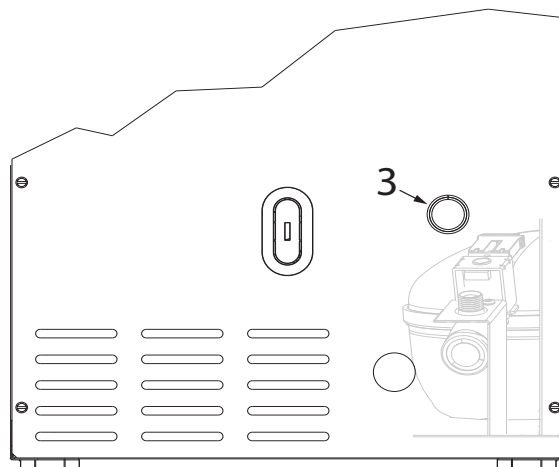


Figure 24

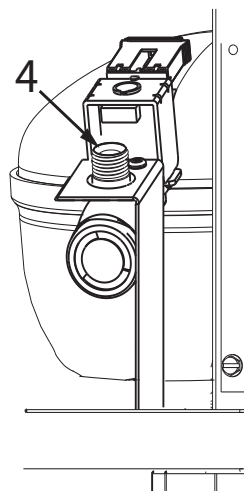


Figure 25

CUTOUT & PRODUCT DIMENSIONS

PREPARE SITE



CAUTION

Your product has been designed for either free-standing or built-in installation. When built-in, your unit does not require additional air space for top, sides, or rear. However, the front grille must NOT be obstructed, and clearance is required for an electrical connection in the rear.



CAUTION

Unit can NOT be installed behind a closed cabinet door. If you would like to align the face of the unit with other adjacent cabinet doors, you may need to alter the wall just behind the drain connection on the unit to accommodate the drain.

CUTOUT DIMENSIONS - MSNP115

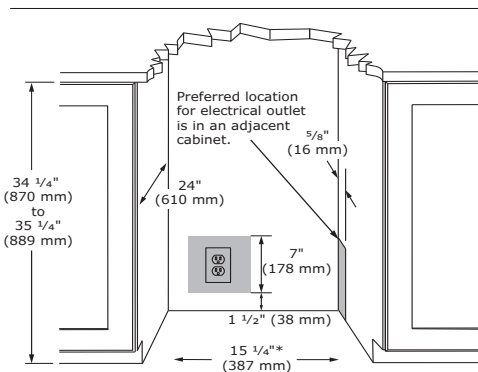


Figure 26

*15\" cutout width may be sufficient if opening is exact and square.

PRODUCT DIMENSIONS

REAR

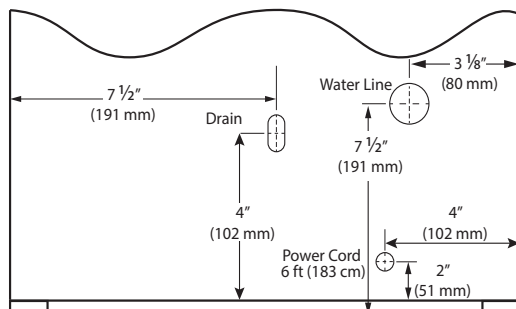


Figure 27

FRONT

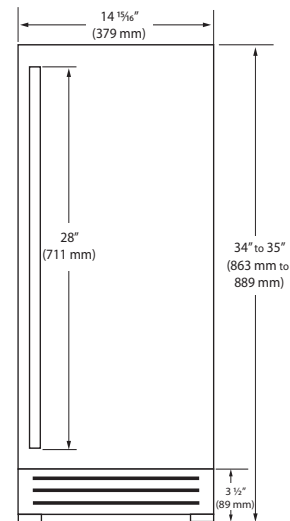


Figure 28

TOP

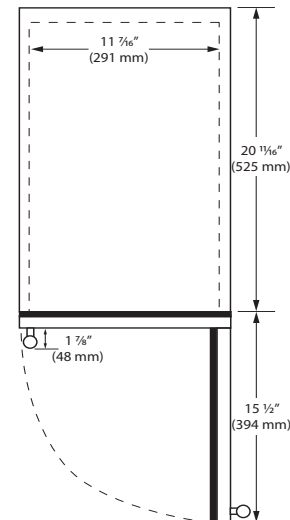


Figure 29

SIDE

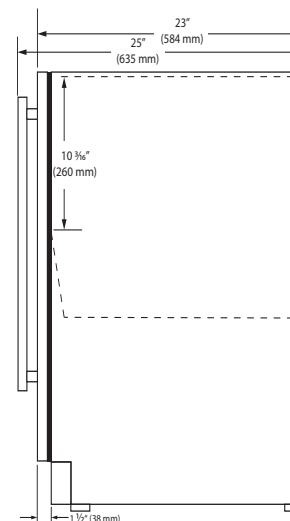


Figure 30

CUTOUT & PRODUCT DIMENSIONS

CUTOUT DIMENSIONS - MLNP115

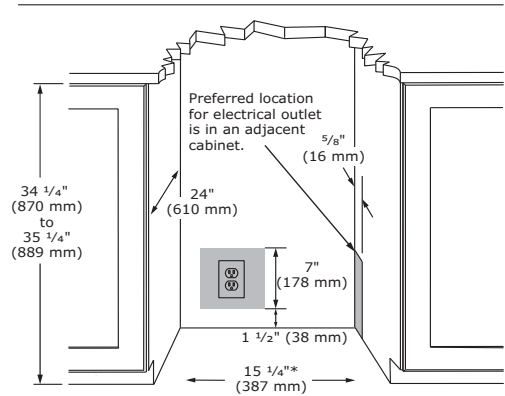


Figure 31

FRONT

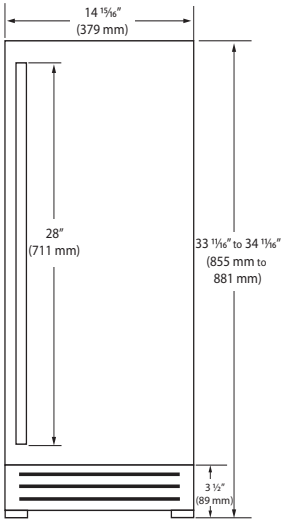


Figure 33

PRODUCT DIMENSIONS

REAR

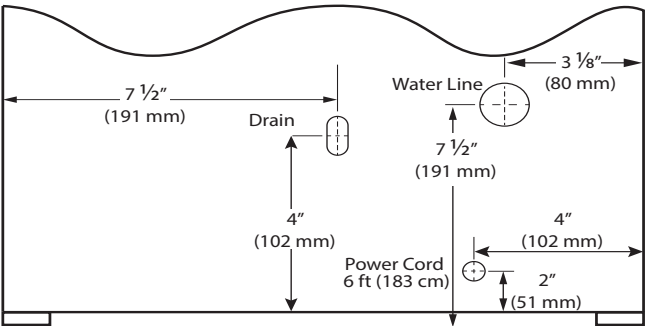


Figure 32

TOP

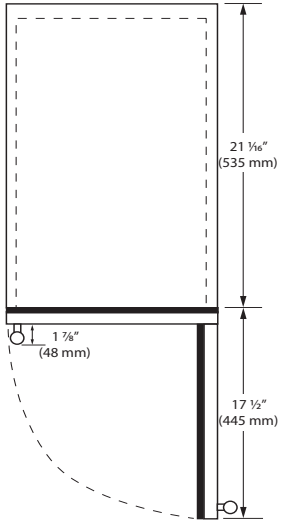


Figure 34

SIDE

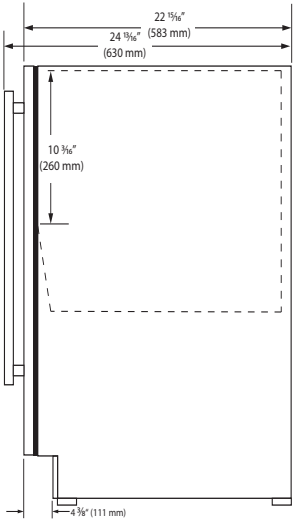




Figure 35

OPERATION OF ICE MACHINE

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

 and the unit will immediately switch on. To turn the unit off, press .

NOTE

Temperature displayed reflects actual temperature inside unit.

If the temperature displayed is different than selected, the unit is progressing towards the selected temperature. Time to reach set point varies based upon ambient temperature, temperature of product loaded, door openings, etc. Marvel recommends allowing the unit to reach set points before loading.





Ice

The Nugget Ice Machine produces cylindrical bits of compressed ice approximately 3/4" x 1/2".

Ice is produced until the machine senses the bin is full. As ice slowly melts in the bin, the level of ice drops and ice production resumes. This ensures a constant supply of fresh ice is always available.

The factory default ice setting is 0, which produces a firm and compact ice nugget. Our ice adjustability feature allows you five levels of adjustment from 0 to -5. At -5 the ice is soft and chewable.

To adjust the ice density:

1. Hold  for 5 seconds - display will flash current ice setting.
2. Adjust using  or .
3. Confirm setting by pressing .

USING YOUR ELECTRONIC CONTROL

Control Operation

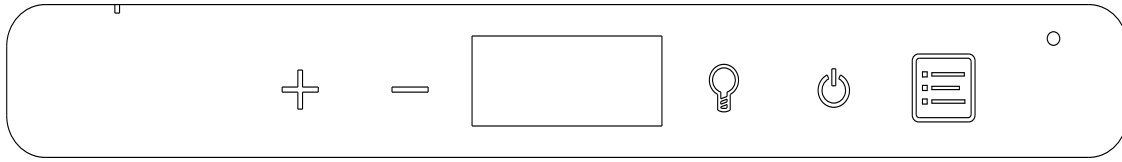






Figure 36

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.
Clean Mode	See “Cleaning” section.	

DOOR ALERT NOTIFICATION

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

- Ice production will cease
- A tone will sound for several seconds every minute
-  will appear in display

Close door to silence alert and reset (Ice production will resume if bin sensor is not satisfied)

Airflow and Product Loading

NOTE

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.

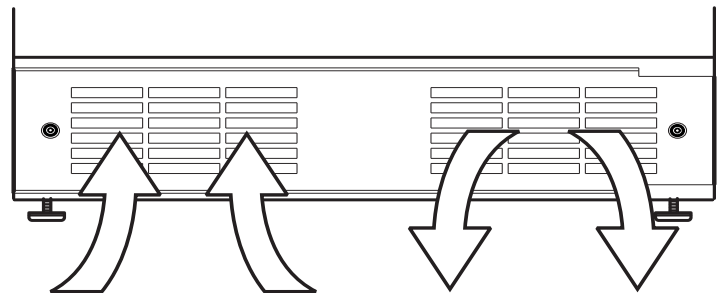


Figure 37

CLEANING YOUR ICE MACHINE

Cleaning

EXTERIOR CLEANING

Stainless steel can discolor when exposed to chlorine gas, pool chemicals, saltwater or cleaners with bleach. Keep your stainless unit looking new by cleaning with a good quality all-in-one stainless steel cleaner and polish monthly. For best results use Claire® Stainless Steel Polish and Cleaner. Comparable products are acceptable. Frequent cleaning will remove surface contamination that could lead to rust. Some installations may require cleaning weekly.

CAUTION

Do not clean with steel wool ads. Do not use cleaners not specifically intended for stainless steel on stainless steel surfaces (this includes glass, tile, and counter cleaners).

If any surface discoloring or rusting appears, clean it quickly with Bon-Ami® or Barkeepers Friend Cleanser® and a nonabrasive cloth. Always clean with the grain. Always finish with Claire® Stainless Steel Polish and Cleaner or comparable product to prevent further problems.

CAUTION

Using abrasive pads such as ScotchBrite™ will cause the graining in the stainless steel to become blurred. Rust not cleaned up promptly can penetrate the surface of the stainless steel and complete removal of the rust may not be possible.

INTERIOR CLEANING

Disconnect power to the unit.



Clean the interior and all removed components using a mild nonabrasive detergent and warm solution applied with a soft sponge or non-abrasive cloth.

Rinse the interior using a soft sponge and clean potable water.

CAUTION

Do not use any solvent-based or abrasive cleaners. These types of cleaners may transfer taste and/or odor to the interior products and damage or discolor the interior.

NUGGET ICE MACHINE CLEANING CYCLE

This ice machine has an automatic clean alert function. The control will indicate  in the display, approximately every six months with normal use, reminding you to clean your unit. When  is displayed, ice production will continue. Depending on water conditions, more frequent cleaning may be necessary. Cleaning removes lime scale, other mineral deposits, and sanitizes the machine. Poor ice quality and reduced ice output are signs that cleaning is necessary. If the machine consistently requires more frequent cleaning, consult a plumber to test the water quality and recommend appropriate treatment.

TDS (Total Dissolved Solids) Level mg/L (ppm)	Cleaning Interval
5 - 150	6 months
150 - 250	4 months
250 - 400	3 months (or sooner)
Hardness Level mg/L (ppm)	Cleaning Interval
0 - 66	6 months
67 - 133	4 months
134 - 200	3 months (or sooner)

CLEANING YOUR ICE MACHINE

Under normal conditions cleaning should be done when the display shows . You may initiate a cleaning cycle at any time by pressing and holding the clean button for 10 seconds. will appear in the display indicating the start of the cleaning process.

You may override in the display without cleaning by pressing and holding the up, down, & light button for 10 seconds. will scroll in the display and the cleaning reminder () will be reset for another approximate six month cycle. Failure to clean may reduce the quality and quantity of ice produced. Once the clean cycle begins, it can be canceled by pressing three times. Press once more to start making ice. The clean cycle will automatically cancel if user fails to activate control at steps 2, 3b, and 5b within 2 hours.

Required for cleaning:

- Hose and funnel - provided with unit
- Bucket and cleaning sponge
- Clean potable water
- SafeCLEAN Plus™ Cleaner (Part No. 41015681 by Marvel) 1-8oz. bottle included with unit.

Need more cleaner? Call Marvel Customer Service at 800.223.3900



CAUTION

Use only SafeCLEAN Plus™ Cleaner. Use of any other cleaner may damage the finish of the evaporator and will void the warranty. Follow safety and handling instructions printed on the SafeCLEAN Plus™ bottle.

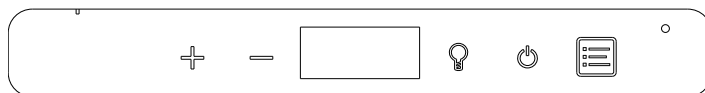


Figure 38

1. Press and Hold for 10 seconds
 - a. will appear in the display
 - b. Remove access shield
 - c. Remove all ice in bin
 - d. Remove any ice protruding from the ice dispenser tube.
2. Insert the end of the cleaning tube into the ice dispenser; slowly pour in approximately 1 quart of hot (min. 100° F) potable water. This will melt ice inside the dispenser tube. It is normal for some water to flow from the ice dispenser tube and exit from the vent tube while pouring. Omit this step if no ice is in the ice dispenser tube.

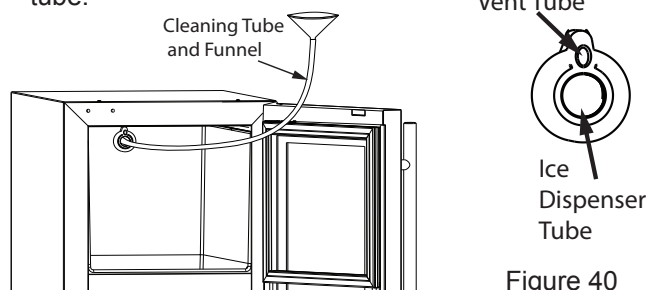




Figure 39

Figure 40

3. Press and release
 - a. will appear in the display
 - b. Mix 4 ounces of SafeCLEAN Plus™ with 2 quarts of potable water.
4. Wait until appears in the display
 - a. Using the funnel and cleaning tube, slowly pour 3/4 of the cleaning solution into the dispenser tube. Air and some water will exit the vent tube. Remove cleaning tube.
 - b. Press and release
5. will appear in the display
 - a. The machine will circulate the solution, cleaning and sanitizing the internal components, for approximately 20 minutes.
 - b. While the machine is circulating the cleaning solution, use 1/2 of the remaining cleaning solution and a sponge to wipe down the inside of the ice bin and scoop. Rinse with clean potable water.
6. When appears in the display, 3 soft tones will sound, indicating the cleaning phase is complete.
 - Using the hose and funnel, slowly pour 1.5 quarts (48 oz.) of clean potable water into the ice dispenser tube. Air and some water will exit the vent tube.

CLEANING YOUR ICE MACHINE

7.  will appear in the display
 - a. Reinstall shield and close door.
 - b. The machine will circulate water and perform a series of final rinses for approximately 15 minutes.
 - c. The unit will resume making ice - indicated by 3 soft tones and  scrolling in the display.
 - d. Discard first 10 minutes of ice production.

Cleaning Condenser

INTERVAL - EVERY SIX MONTHS

To maintain operational efficiency, keep the front grille free of dust and lint, and clean the condenser when necessary. Depending on environmental conditions, more or less frequent cleaning may be necessary.



WARNING

WARNING - Connect to potable water supply only.

NOTE

DO NOT use any type of cleaner on the condenser unit. Condenser may be cleaned using a vacuum, soft brush, or compressed air.

1. Remove the grille (See GRILLE INSTALLATION).
2. Clean the condenser coil using a soft brush or vacuum cleaner.
3. Install the grille.

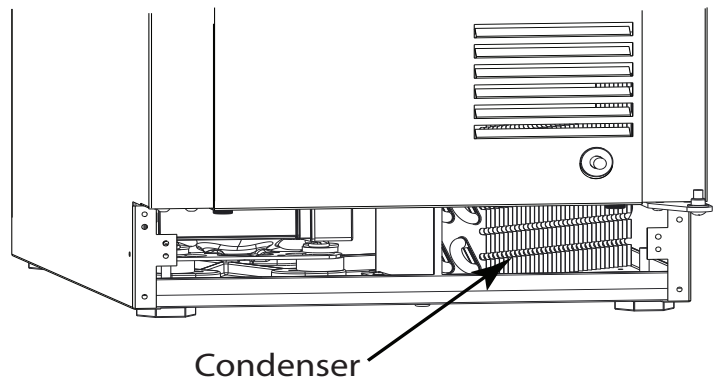


Figure 41

CARE AND CLEANING

Extended Non-Use

VACATION/HOLIDAY, PROLONGED SHUTDOWN

The following steps are recommended for periods of extended non-use:

1. Remove all consumable content from the unit.
2. Disconnect the power cord from its outlet/socket and leave it disconnected until the unit is returned to service.
3. Turn off the water supply.
4. If ice is on the evaporator, allow ice to thaw naturally.
5. Clean and dry the interior of the unit. Ensure all water has been removed from the unit.
6. Disconnect the water and drain line (if applicable) making sure all water is removed from the lines.
7. The door must remain open to prevent formation of mold and mildew. Open door a minimum of 2" (50 mm) to provide the necessary ventilation.

WINTERIZATION

If the unit will be exposed to temperatures of 40°F (5°C) or less, the steps above must be followed. In addition, P60 drain pumps must be drained according to the following procedure:

1. Remove the drain pump from the ice machine.
2. Drain the water in the pump's reservoir by turning the pump upside down and allowing the water to drain through the pump's inlet and vent tube fittings.
3. After water is drained, reinstall the drain pump and reattach all connections.

**For questions regarding winterization, please call
Marvel Refrigeration at 616.754.5601**



CAUTION

Damage caused by freezing temperatures is not covered by the warranty. Do not put anti-freeze in your unit.

OBTAINING SERVICE

If Service is Required:

- If the product is within the first year warranty period please contact your dealer or call Marvel Customer Service at 800.223.3900 for directions on how to obtain warranty coverage in your area.
- If the product is outside the first year warranty period, Marvel Customer Service can provide recommendations of service centers in your area. A listing of authorized service centers is also available at www.marvelrefrigeration.com under the service and support section.
- In all correspondence regarding service, be sure to give the service number, serial number, located on your product's serial plate, and proof of purchase.
- Try to have information or description of nature of the problem, how long the unit has been running, the room temperature, and any additional information that may be helpful in quickly solving the problem.
- The table below is provided for recording pertinent information regarding your product for future use.

For Your Records	
Date of Purchase	
Dealer's name	
Dealer's Address	
Dealer's City	
Dealer's State	
Dealer's Zip Code	
Appliance Serial Number	
Appliance Service Number	

PRODUCT WARRANTY

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.

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 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 Deine St., Greenville, MI 48838



www.marvelrefrigeration.com

Marvel Refrigeration

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11/11/20

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.