MARVEL

GETTING STARTED
QUICK REFERENCE GUIDE

MARVEL NUGGET ICE MACHINES

MLNP115-IS01A

MLNP115-SS01B

MSNP115-SS01A

MPNP415-IS81A

MPNP415-SS81A

REDEEM YOUR FREE CLEANING KIT

Register your product at marvelrefrigeration.com to receive (1) S41016346-ACCY Nugget Ice Cleaning Kit at no charge.

Valid on Marvel Nugget Ice Machines produced after September 2021.

DESIGNED & BUILT IN AMERICA

THE ORIGINAL REFRIGERATION EXPERTS SINCE 1892

CONTENTS

Contents:

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

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

⚠ CAUTION

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.

UNPACKING YOUR APPLIANCE

⚠ **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 RETAILER.

⚠ **CAUTION**

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.

Warranty Registration
It is important you send in your warranty registration card immediately after taking delivery of your appliance or you can register online at www.marvelrefrigeration.com.

The following information will be required when registering your appliance.
Service Number
Serial Number
Date of Purchase
Dealer's name and address

Online registration available at www.marvelrefrigeration.com

The service number and serial number can be found on the serial plate which is located inside the cabinet on the left side near the top.

```
MARVEL
GREENVILLE, MI 48838
MODEL NO. [          ]
SERVICE NO. [ XXXXXXXXXXX ]
SERIAL  NO. [ XXXXXXXXXXX ]
HZ [ ] VOLTS [ ] AMPS [ ] R600A [ ] g
TEST PRESSURE  140 PSI LOW SIDE
               300 PSI HIGH SIDE
```

⚠ **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.

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 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. All Marvel Professional models with articulated hinges are intended for built-in applications only.

Front Leveling Legs

Rear Leveling Legs

⚠ CAUTION

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 and loss of cooling capacity. For this reason it is important this area to 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.
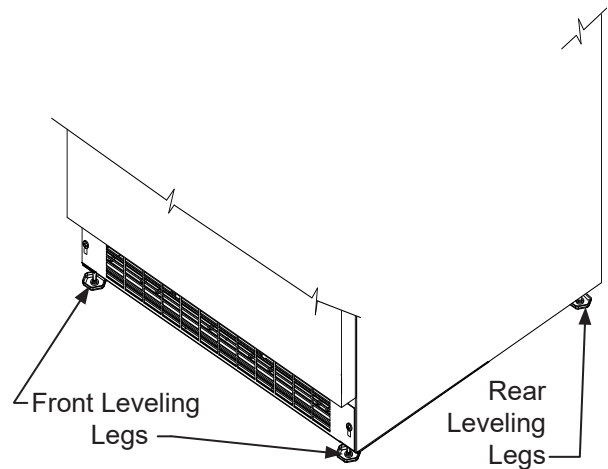
Leveling Legs

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, CCW) and lower (by turning the leveling leg in, CW).

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.

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 respon-sibility and obligation of the customer to provide the proper power supply. The third ground prong should not, under any circumstances, be cut or removed.

Do not remove ground prong
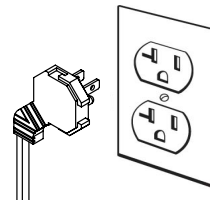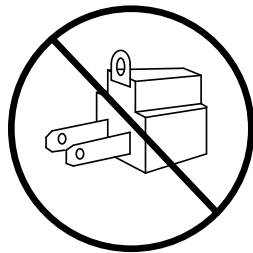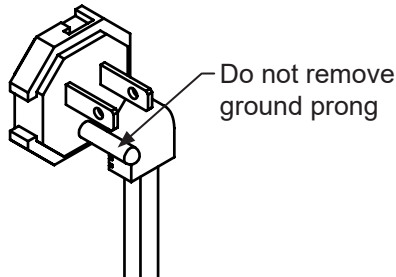
NOTE

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.

CUTOUT & PRODUCT DIMENSIONS
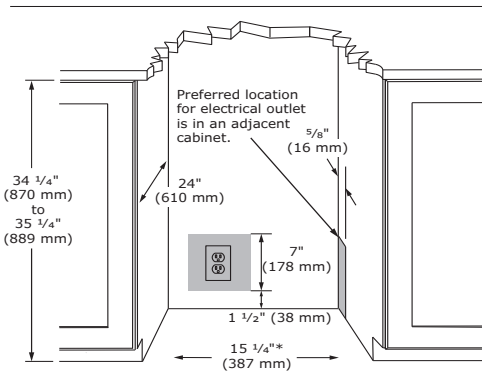
PREPARE SITE

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.
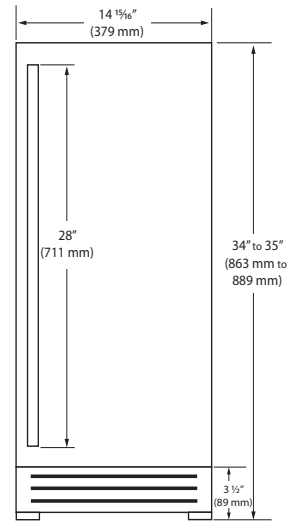
CUTOUT DIMENSIONS - MSNP115

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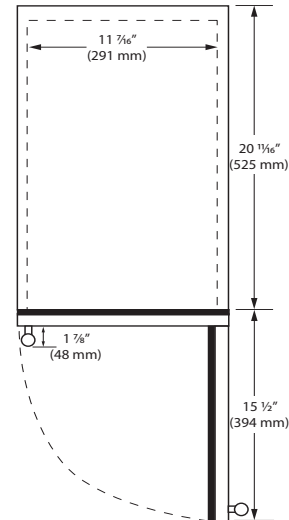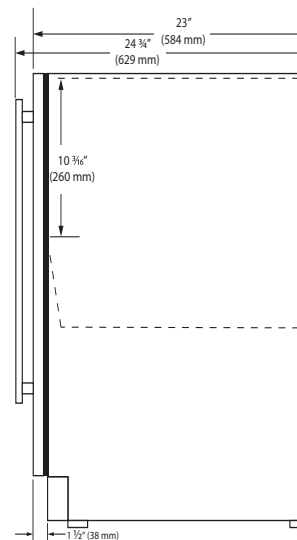
PRODUCT DIMENSIONS

REAR

FRONT

14 15/16" (379 mm)
28" (711 mm)
34" to 35" (863 mm to 889 mm)
3 1/2" (89 mm)

TOP

11 7/16" (291 mm)
20 11/16" (525 mm)
1 7/8" (48 mm)
15 1/2" (394 mm)

SIDE

23" (584 mm)
24 3/4" (629 mm)
10 3/16" (260 mm)
1 1/2" (38 mm)

6
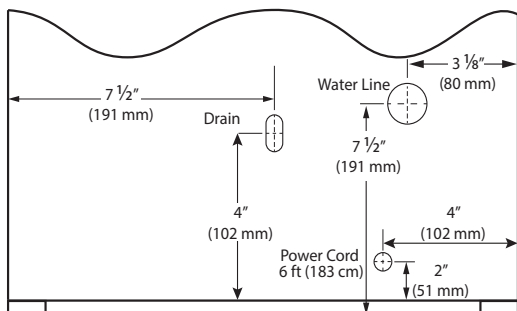
CUTOUT & PRODUCT DIMENSIONS

CUTOUT DIMENSIONS - MLNP115

Preferred location for electrical outlet is in an adjacent cabinet.

5/8" (16 mm)

34 1/4" (870 mm) to 35 1/4" (889 mm)

24" (610 mm)

7" (178 mm)

1 1/2" (38 mm)

15" (381 mm)

FRONT

14 15/16" (379 mm)

28" (711 mm)

33 11/16" to 34 11/16" (855 mm to 881 mm)

3 1/2" (89 mm)

PRODUCT DIMENSIONS

REAR

7 1/2" (191 mm)

Drain

Water Line

3 1/8" (80 mm)

7 1/2" (191 mm)

4" (102 mm)

Power Cord 6 ft (183 cm)

4" (102 mm)

2" (51 mm)

TOP

21 1/16" (535 mm)

1 7/8" (48 mm)

17 1/2" (445 mm)

SIDE

22 15/16" (583 mm)

24 9/16" (624 mm)

10 3/16" (260 mm)

4 3/8" (111 mm)

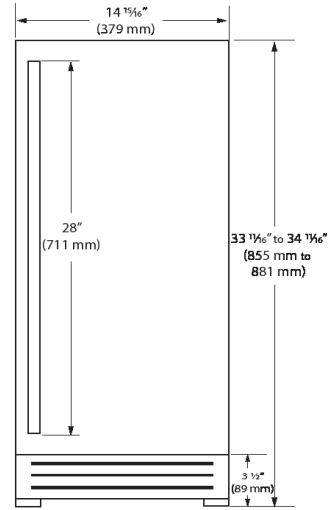## CUTOUT DIMENSIONS - MPNP415
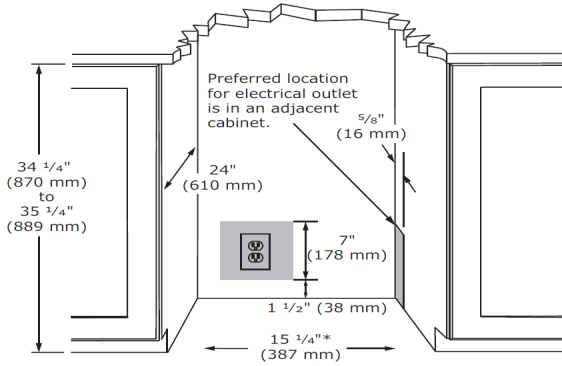
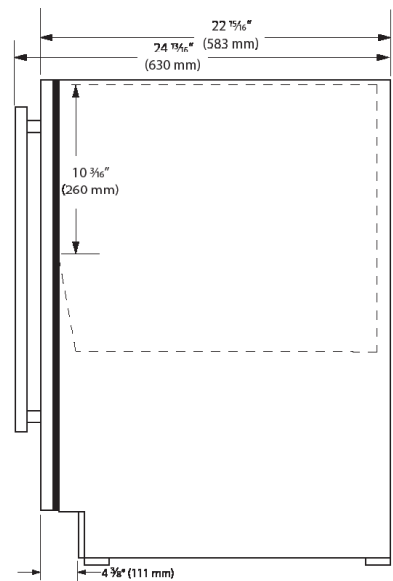*15" cutout width may be sufficient if opening is exact and square

PRODUCT DIMENSIONS

REAR

FRONT

TOP
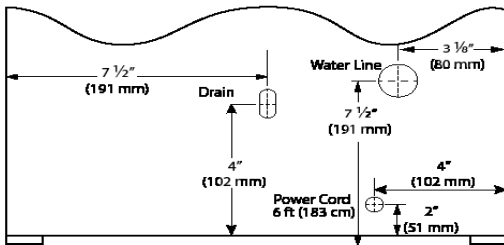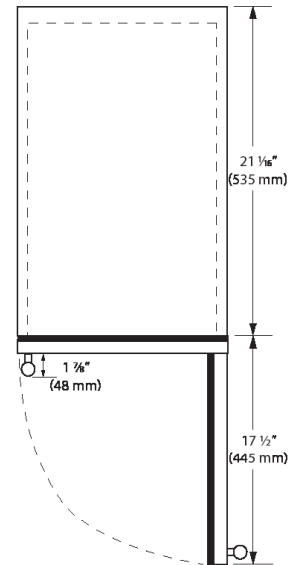
SIDE

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.
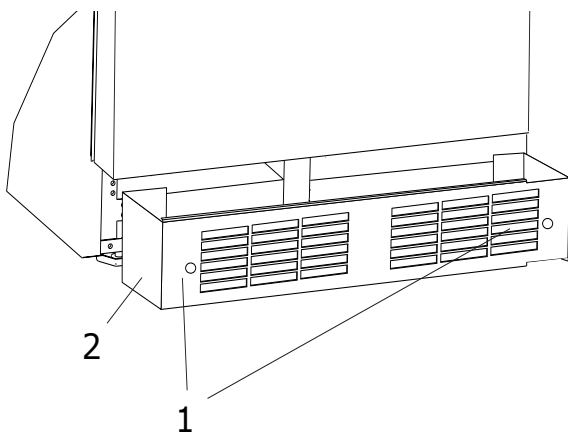

⚠ WARNING

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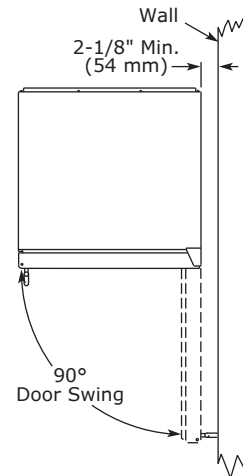

Removing the grille

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.

Door Swing

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:

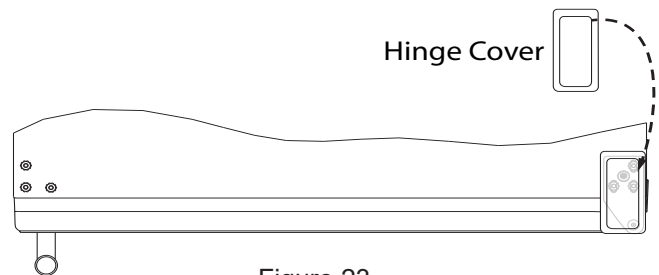• Press hinge cover squarely over hinge.

Figure 23

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.
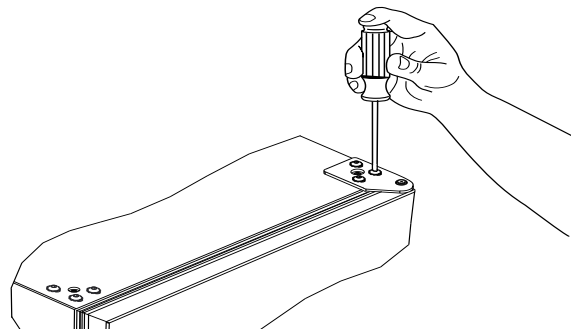

NOTE

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.

DOOR ADJUSTMENTS

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

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.
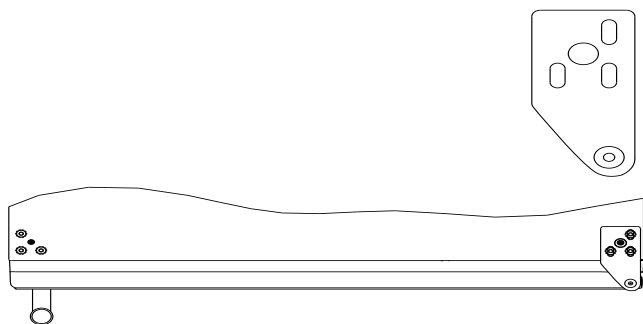
3. Remove door by tilting forward and lifting door off bottom hinge. Retain shoulder washers; they will be reused.

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.

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.

Door Adjustments - MLNP115 & MPNP415
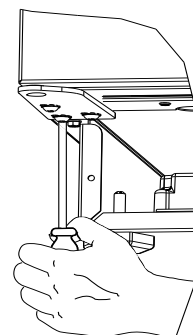
DOOR ALIGNMENT AND ADJUSTMENT

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.
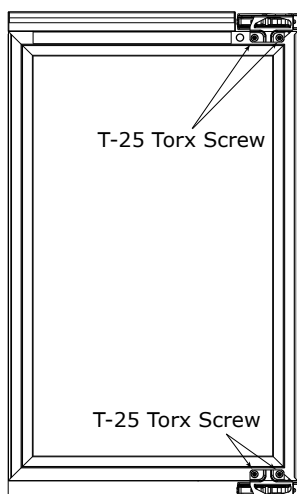
T-25 Torx Screw

T-25 Torx Screw

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.

NOTE

One hinge includes a metal spacer. Spacer must be used with that hinge when reversing the door.
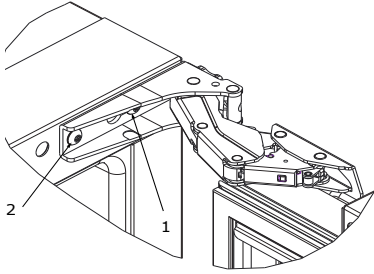
3. Remove caps from screw heads on opposite side (2 on top and 2 on bottom). Using #2 Phillips bit, remove the 4 underlying screws. Reinstall the screws and caps on the opposite side.

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).

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.
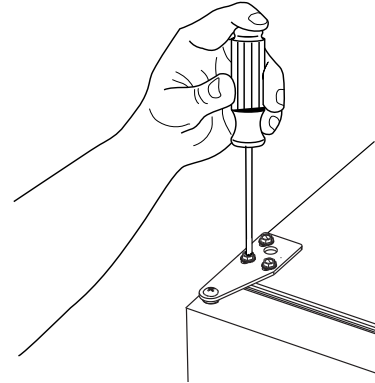
2. Lift the door on to the bottom hinge.

3. Align edge of the hinge with the outer edge of the unit.

4. Tighten three hinge screws.

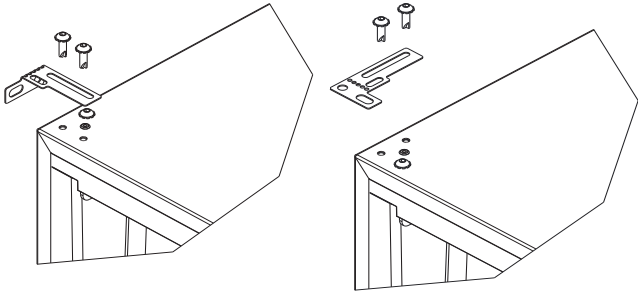## Anti-Tip Bracket - MSNP115

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).


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.
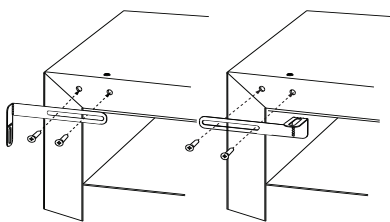
3. Bend bracket along one of the perforations to allow attachment to the desired adjoining surface.

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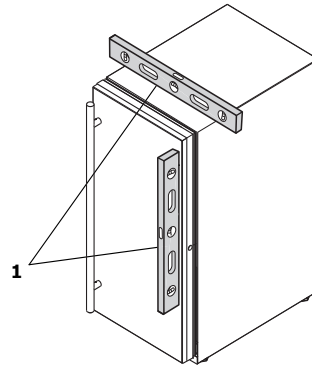
2. If the unit is not level, adjust the legs on the corners of the unit as necessary.

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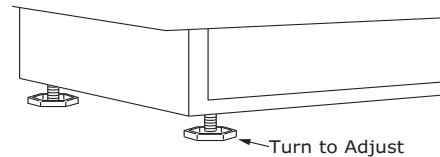
3. Confirm the unit is level after each adjustment and repeat the previous steps as needed.

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.
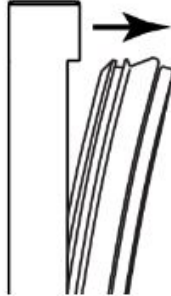
Panel Installation

MLNP115-IS01A & MPNP415-IS81A

3/4" (20 mm) panel

14¹⁵⁄₁₆" (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.

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. Marvel recommends the use of 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.

Bar Clamp

Door/Drawer

Wood Panel

Bar Clamp
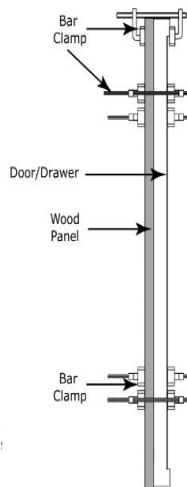
NOTE

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.

Integrated Panel   Integrated Panel
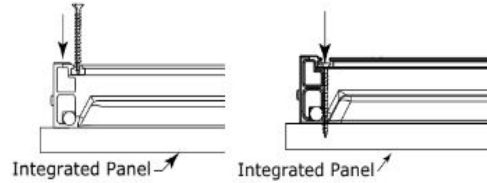
11. Remove clamps from door.

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.

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.
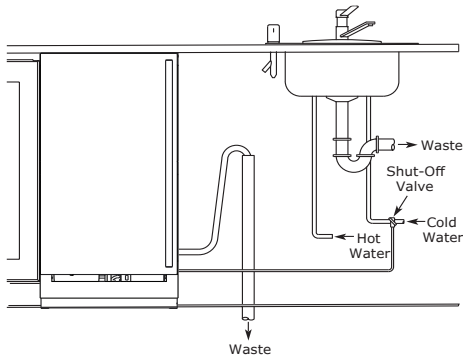
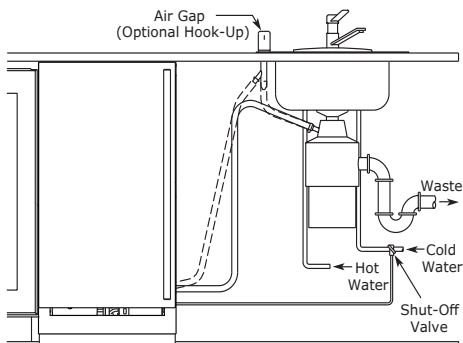See below for typical installations requiring a drain pump.
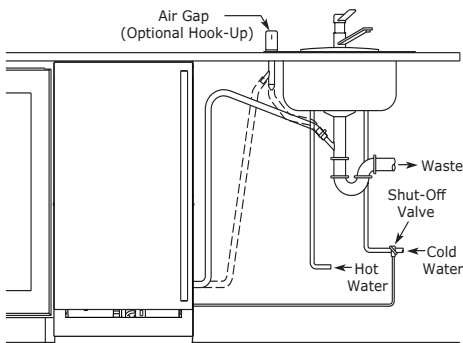
Stand Pipe

Disposal Assembly

Y-Branch Tail Piece

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

> ### ⚠ CAUTION

TO PREVENT DAMAGE TO YOUR ICE MACHINE AND/OR VOID YOUR WARRANTY, FOLLOW ALL WATER SUPPLY GUIDELINES AS LISTED BELOW.

> ### ⚠ 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

When connecting the water supply, please note the following:

- Water Mineral Content must meet the following:
    - TDS: less than 200 ppm (mg/l)
    - Hardness: Less than 200 mg/l (12 gpg)
- Water supply MUST NOT be from a water softener.
- A TDS meter is included with your unit
- Water Treatment Options
    - TDS level of 200 ppm or higher and/or a hardness of 12-19 gpg can be treated by Marvel's in-line water filter accessories available at marvelrefrigeration.com:
        - S41016343-ACCY — Standard
        - S41016344-ACCY — Large
        - S41016345-ACCY — Filter head 3/8" NPT, initial setup requires head & filter
            - Use bypass level 6

Measure Water TDS

Every Nugget Ice Machine comes with a TDS meter similar to the one below. The TDS meter measures the Total Dissolved Solids level that exists in the water supply; this is measured in ppm (parts per million).
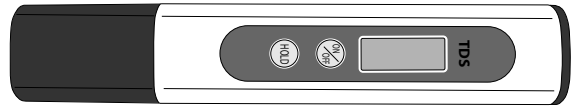
> ### ⚠ WARNING
>
> **WARNING - The TDS meter does not test the toxicity of the water and is not to be used to determine potability. A TDS METER CANNOT DETECT THE TOXINS THAT MAKE WATER UNSAFE TO DRINK.**

1. Turn on sink faucet and let run for 30 seconds.
2. Fill a clean glass (2 inches of water is sufficient).
3. Remove cap from meter.
4. Turn on meter and immerse meter into the water.
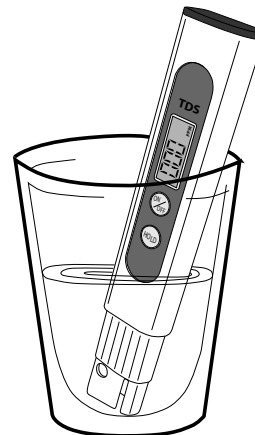
5. Leave meter immersed for 30 seconds.
6. Remove meter and check the readout for the TDS level in ppm - to save the reading, press the hold button.
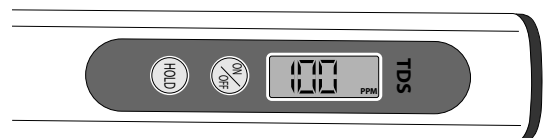
7. Turn off meter, dry off, and replace cap.

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Based upon the TDS measurement, see the below table to determine the correct filter required to protect the ice machine.

Water Quality	1-3 Users	4+ Users
200 TDS and/or 12 gpg hardness or less	**Required** Standard Filter Change 1x per year	**Required** Large Filter Change 1x per year
201-400 TDS and/or 12-19 gpg hardness	**Required** Large Filter Change 1x per year	**Required** Large Filter Change 2x per year
400+ TDS, and/or 20+ gpg hardness	Contact your local water professional	

- 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.

⚠ 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.

Water Hookup

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.
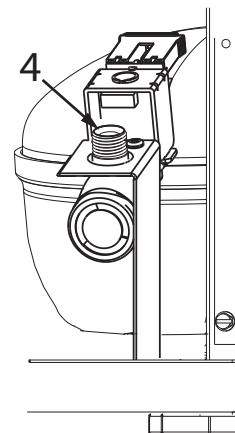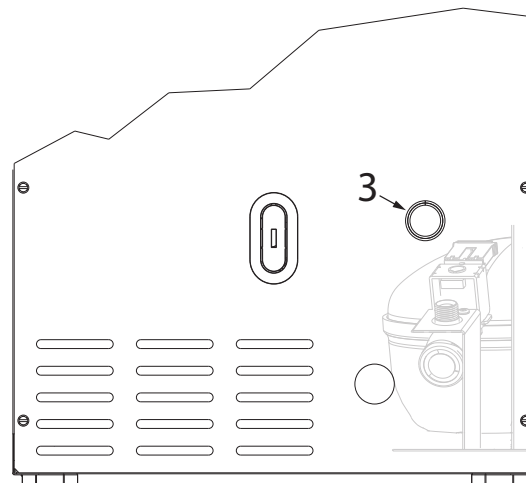
5. Turn on water supply and check for leaks.

6. Reinstall back panel.

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 💡 .

CONTROL FUNCTION GUIDE

FUNCTION	COMMAND	NOTES
ON/OFF	Press ⏻ and release.	Unit will immediately turn On or OFF.
Adjust Ice Density	See "Ice" section.	
Enable Sabbath Mode	Press 💡 and hold for 5 seconds and release.	The ^OF / ^OC 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.	
Showroom Mode	Hold — and 💡 for 5 seconds.	The ^OF / ^OC symbol will flash. Display will be lit and interior light with 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:

- Ice production will cease
- A tone will sound for several seconds every minute
- dr 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.

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 💡. Press 💡 to scroll through lighting options.	Option Open Door Closed Door 00 White White 01 BrightShield™ BrightShield™ 02 (default) White BrightShield™
Toggle interior light - Door Closed	Press 💡 and release to toggle interior light option; press again to deactivate	Toggle depends on light color option above. Light output 50%
Adjust ice density	See "Ice" section	
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	
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
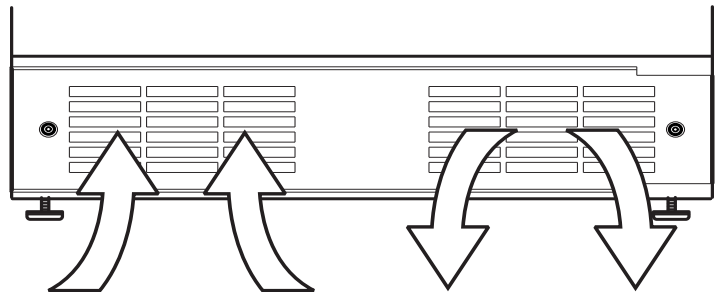
When the door is left open for more than 30 minutes:

- A tone will sound for several seconds every minute

- d̄r̄ will appear in display

- Close door to silence alert and reset

BrightShield™

This model includes BrightShield™ with Vyv™ 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™ is most effective when used continuously. Your unit is factory-set to use BrightShield™ 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 www.marvelrefrigeration.com

For more information about Vyv™ Antimicrobial Light Technology visit www.vyv.tech

Exterior Cleaning - Stainless Models

Stainless door panels, handles and frames 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 pads. Do not use cleaners not specifically intended for stainless steel on stainless steel surfaces (this includes glass, tile, and counter cleaners). Do not use stainless steel cleaners or polishes on any glass surfaces. Clean any glass surfaces with a non-chlorine glass cleaner.

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.

Panel-Ready Models

To clean integrated panels, use household cleaner per the cabinet manufacturer's recommendations.

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 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.

Ice Machine Cleaning Cycle

This ice machine has an automatic clean alert function. The control will indicate CL in the display, reminding you to clean your unit. When CL is displayed, ice production will continue. Depending on water conditions, more frequent cleaning may be necessary: see chart below. Cleaning removes lime scale, other mineral deposits, and sanitizes the machine. Poor ice quality and reduced ice output are signs that cleaning is necessary.

> ⚠ **CAUTION**

BEFORE RUNNING THE CLEANING CYCLE, MEASURE THE TDS (TOTAL DISSOLVED SOLIDS) LEVEL OF YOUR WATER SUPPLY.

(See Installing the Water Supply section in this guide to find instructions for using the TDS meter that was included with this ice machine.)

TDS (Total Dissolved Solids) (ppm)	Cleaning Interval
5 - 150 ppm	6 months
150 - 200 ppm	4 months

Replacement TDS meter may be ordered at marvelrefrigeration.com, part # 80-55672-00.

Under normal conditions cleaning should be done when the display shows ⌈L. 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.

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
  1-8oz. bottle - Available for purchase from Marvel

Need more cleaner? Call Marvel Customer Service at 616.754.5601.

⚠ 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.
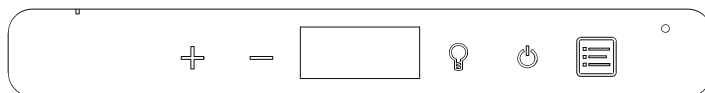
1. Press and Hold 🗐 for 10 seconds
   a. ⌷⌶ will appear in the display
   b. Remove access shield
   c. Remove all ice in bin
   d. Remove any ice protruding from the ice dispenser tube.
2. Insert the end of the cleaning tube into the ice dispenser; slowly pour in approximately 1 quart of hot (min. 100º 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.
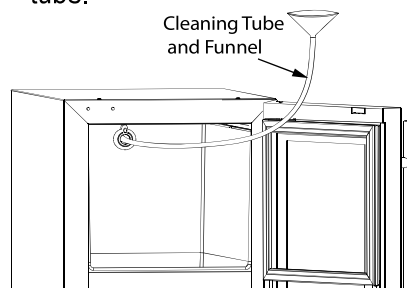
Figure 39

Figure 40

3. Press and release 🗐
   a. ⌷2 will appear in the display
   b. Mix 4 ounces of SafeCLEAN Plus™ with 2 quarts of potable water.
4. Wait until ⌷3 appears in the display
   a. Using the funnel and cleaning tube, slowly pour ¾ 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. ⌷4 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 ⌷5 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.

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.
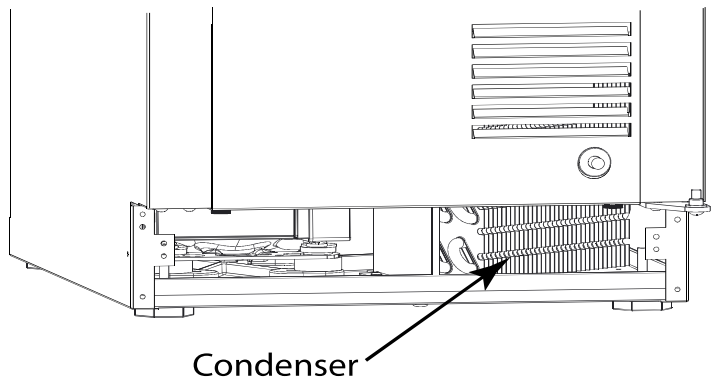
⚠ **WARNING**

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.

Condenser

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 $40^{o}F$ ($5^{o}C$) 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.

If Service is Required:

- If the product is within the first year warranty period please contact your dealer or call Marvel Customer Service at 616.754.5601 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	

HOUSEHOLD 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. 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 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