

- EN** Installation, Operation and Maintenance Instructions
FR Instructions d'installation, d'utilisation et d'entretien
ES Instrucciones de instalación, operación y mantenimiento

Clear Ice Machine
Machine à glaçons transparente
Máquina de hielo claro

ML15CL
ML15CP



INSTALLING YOUR APPLIANCE

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.

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

Cabinet Clearance

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

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, loss of cooling capacity and low ice production. For this reason it is important this area not be obstructed and the grille openings kept clean. AGA MARVEL does not recommend the use of a custom made grille as air flow may be restricted. (See Figure 2).

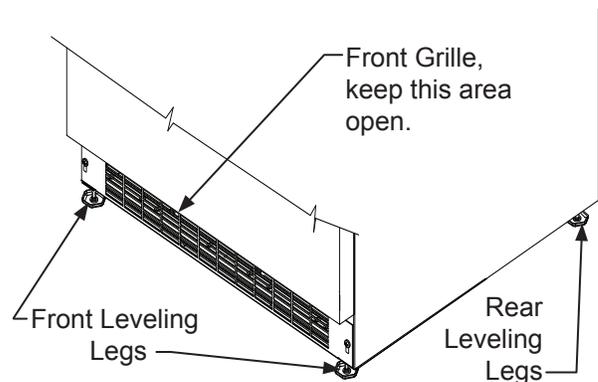


Figure 2

Leveling Legs

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

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

The front grille screws may be loosened to raise and lower the grille to the desired height. When adjustment is complete tighten the two front grille screws. (See Figure 5).

INSTALLING YOUR APPLIANCE

Model	Door Style	Minimum Height	Maximum Height
ML15**	(S) or (G)	33 3/4" (85.7 cm)	34 3/4" (88.3 cm)
ML15**	(P)	34" (86.4 cm)	35" (88.9 cm)

Table A

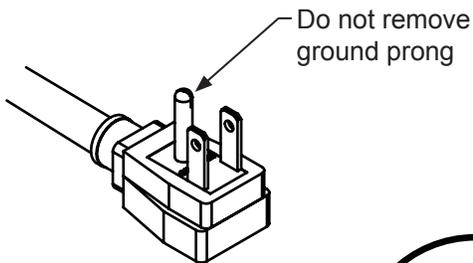


Figure 3

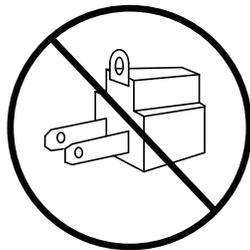


Figure 4

⚠ 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. (See Figure 3).
- Do not use an adapter. (See Figure 4).
- 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.

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 (see Figure 6). If the circuit does not have a grounding type receptacle, it is the responsibility and obligation of the customer to provide the proper power supply. The third ground prong should not, under any circumstances, be cut or removed.

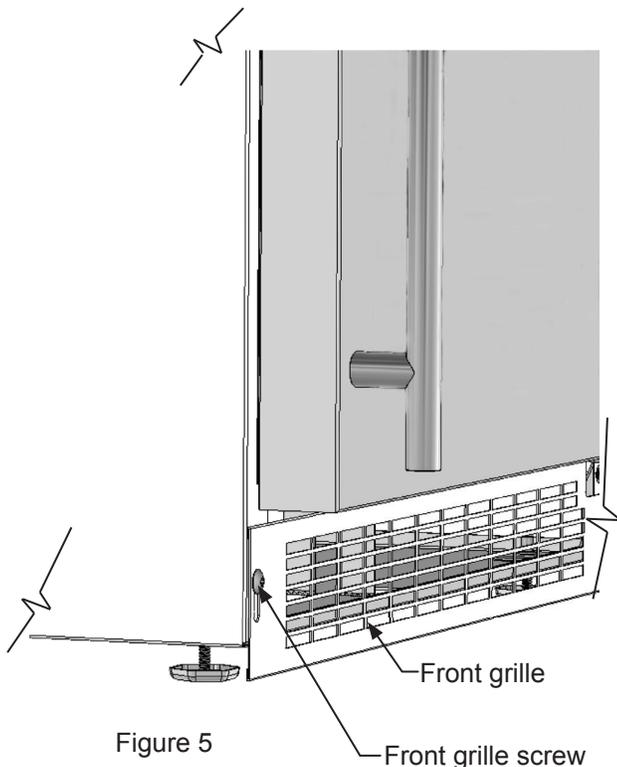


Figure 5

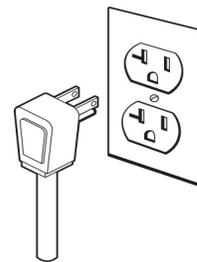


Figure 6

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.

INSTALLING THE DRAIN PLUMBING

CAUTION

Failure to use an adequate drainage system, will result in surrounding water damage and/or poor ice production.

WARNING

Electrical Shock Hazard

Reasonable care and safe methods should be practiced. Do NOT work with energized electrical equipment in a wet area. Read and follow the installation instructions listed in this manual.

Drain Plumbing

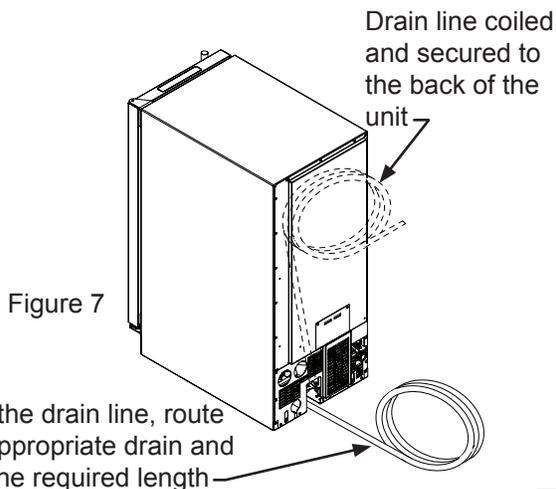
Your ice machine requires drain plumbing. There are 2 variations of ice machines in regards to the installation of the drain plumbing, without a drain pump (gravity drain), and with a drain pump.

Gravity Drain (no drain pump):

The ice machine is shipped with the drain line installed, coiled and secured to the back of the cabinet as shown in Figure 7. It can be uncoiled, routed to an appropriate drain and cut to length as required. Additionally there is the provision of drain routing through the cut-out in the bottom of the unit, (see the gray area in Figure 8). A drain can be installed in this gray area with the drain line cut to a short length and positioned into the drain as shown in Figure 9, or if the ice machine is to be built-in, the drain tube could be routed through a hole in the floor in this gray area to a drain below.

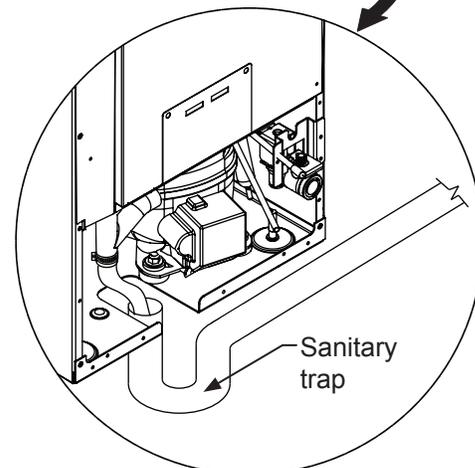
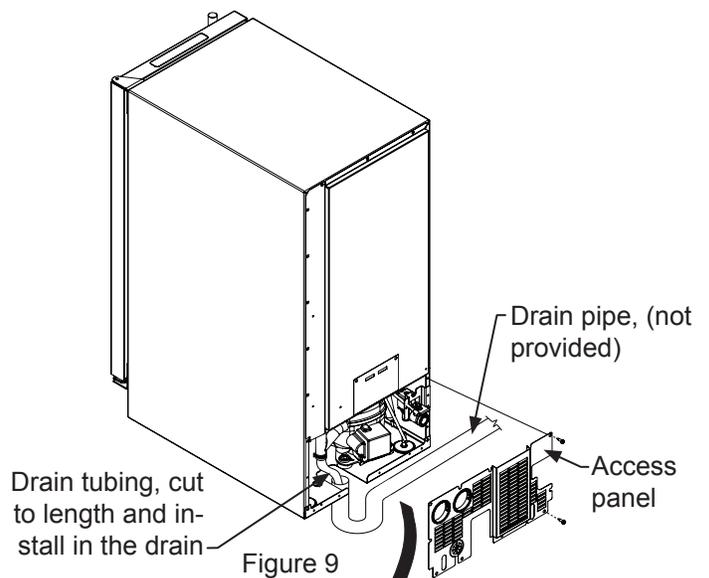
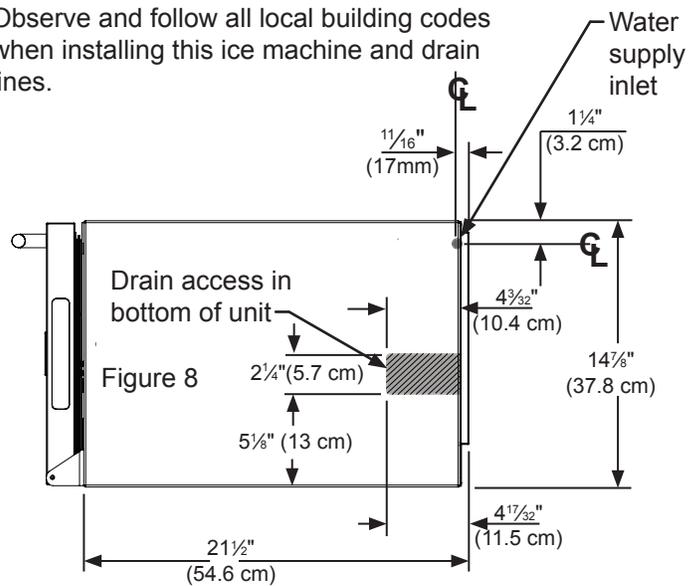
CAUTION

The gravity drain line must be routed no higher than 6" (15.2 cm) off the floor to assure proper drainage.



CAUTION

Observe and follow all local building codes when installing this ice machine and drain lines.



INSTALLING THE DRAIN PLUMBING

With a factory installed drain pump:

The **Marvel Drain Pump** is designed to remove drain water from ice machines installed in areas without direct drainage access. The sealed reservoir pump collects the melted ice water and pumps it to a maximum lift of eight (8) feet (2.44 meters) using no more than the 20 feet of $\frac{3}{8}$ " I.D. vinyl tubing.

If the ice machine has a factory installed drain pump. Discharge tubing is coiled up and attached to the back of the ice machine. The $\frac{3}{8}$ inch I.D. tubing needs to be plumbed and connected to a sanitary sewer. Refer to Figure 10.



CAUTION

This drain pump is designed to be installed in Marvel ice machines only and approved for use with water only.



WARNING

Electrical Shock Hazard

Risk of electrical shock or personal injury could occur due to moving components, if the machine compartment access cover is removed before unplugging the ice machine power cord.

Optional Drain Pump.

An optional drain pump is available if you have purchased an ice machine without one and do not have access to a gravity drain. Installation instructions are provided with the optional drain pump. Contact AGA Marvel customer service at 800-223-3900 or your dealer for ordering.

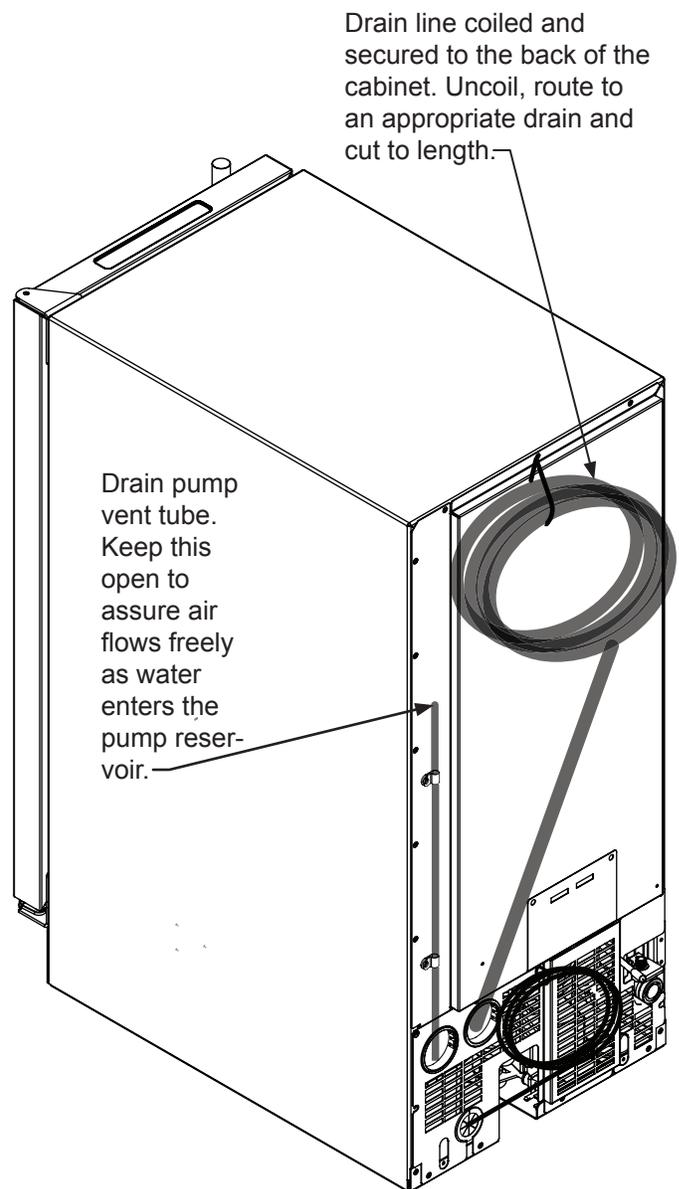


Figure 10

INSTALLING THE WATER SUPPLY

Water Supply

CAUTION

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

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

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

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

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

IMPORTANT: Secure the water supply line to the back of the cabinet with the screw and strain relief clamp provided in the corner of the back panel. (See Figure 11).

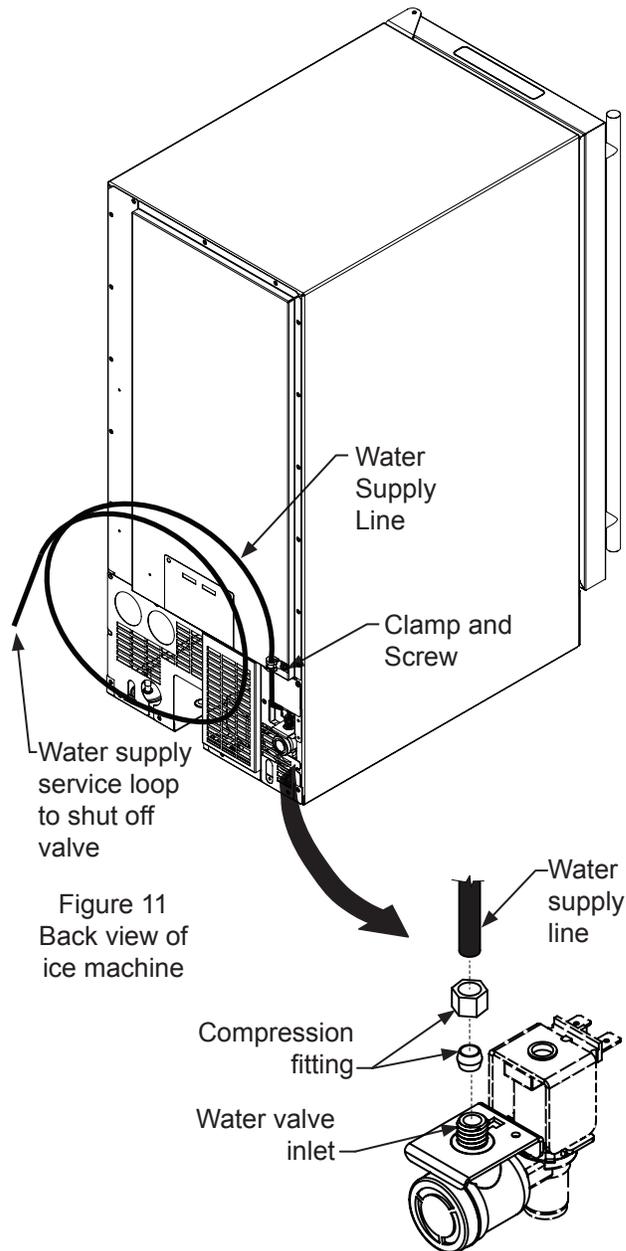
Make certain all connections are watertight after installation. Form the tubing so that it will not vibrate against the cabinet body or kink when your appliance is moved in and out of position.

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

CAUTION

To prevent water leaks:

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



NOTE

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