

Snooker Modular Ice Machine Installation Guide

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Snooker®

Snooker Modular Ice Machine

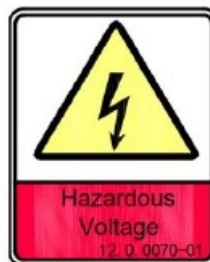


Important Information

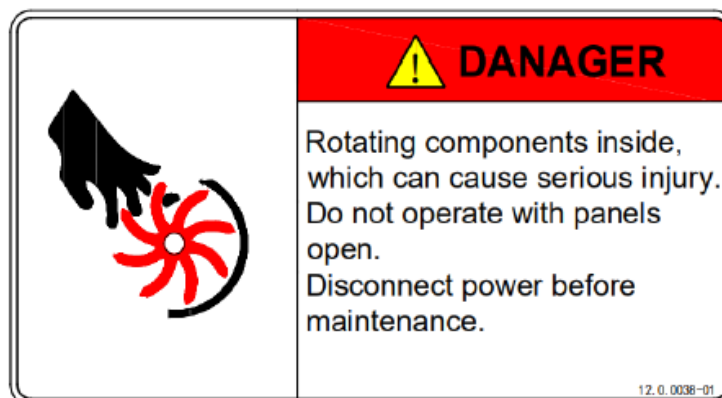
Please pay attention to the following warning labels on the ice maker.



The label indicates a hazardous voltage. There is a risk of electric shock.



The label indicates a hazardous voltage. There is a risk of electric shock.



The label indicates rotating components inside. There is a risk of serious mechanical injury.



Instruction of symbols in this Manual



Warning sign, special attention is required.



Warning sign, special attention is required, and operation is prohibited.

Warning and safety instruction



This product cannot be used in outdoor environment.



This ice machine is not intended for use by children, and those with physical weakness, slow response, or mental disorders.

- The installation, repair or maintenance of this ice machine must be carried out by professional and qualified personnel, or electric shock, fire, personal injury may cause from incorrect operation.
- After the ice machine is delivered, please keep the machine still upright for more than 24 hours, to have the lubricant be fully precipitated before startup, otherwise the compressor may be damaged.
- When handling, keep the cabinet upright, with the inclination not exceeding 45 degrees. Do not invert the machine or lay it horizontally.
- This ice machine should not be placed in wet or easily splashed area.
- The grounding of this ice machine cannot be connected to gas pipe, water pipe, telephone line or lightning rods, etc.
- There are rotating components in this ice machine. Do not insert slim objects into ventilation or exhaust ports, or serious mechanical injury may occur.
- Do not store volatile or flammable substances in this ice machine, or it may result in explosion or fire.
- Do not store any sundries, or freeze any food in the ice bin. Keep the ice scoop clean.
- The ice machine must be placed on the floor sufficient to support its weight.

Insufficient base may cause the equipment fall over and cause injury.

- There should be sufficient ventilation space around the ice machine. Keep good ventilation.
- Only the power supply specified on the machine nameplate can be used with this ice machine.
- The ice machine should be the only appliance plugged in the outlet. Do not plug in other appliances on the same power line of the ice machine.
- This ice machine cannot be connected to hot water.
- Socket for this ice maker must be reliably grounded and with leakage protection.
- The ice machine must be disconnected from power before manual cleaning, repairing and maintenance.
- Before cleaning, repairing and maintenance, the remaining ice in the ice bin should be removed from the ice machine to avoid contamination to ice.
- Do not splash water directly onto the surface of the ice machine during the cleaning process; otherwise it may cause short circuit, leakage or other faults.
- Flammable foaming agent is used during the foaming process. The ice maker should be disposed of and recycled by qualified personnel and institutions.
- The ice machine should be properly managed to ensure that children will not play with the machine.
- When the ice machine malfunctions, turn off the power and contact professional personnel for repairing



For the ice maker with flammable refrigerant R290:

- **DANGER** – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. DO NOT USE MECHANICAL DEVICES TO DEFROST REFRIGERATOR. DO NOT PUNCTURE REFRIGERANT TUBING.
- **DANGER** – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. TO BE REPAIRED ONLY BY TRAINED SERVICE PERSONNEL. DO NOT PUNCTURE REFRIGERANT TUBING.
- **CAUTION** – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. CONSULT REPAIR MANUAL/OWNER'S GUIDE BEFORE ATTEMPTING TO SERVICE THIS PRODUCT. ALL SAFETY PRECAUTIONS MUST BE FOLLOWED.
- **CAUTION** – RISK OF FIRE OR EXPLOSION. DISPOSE OF PROPERLY IN ACCORDANCE WITH FEDERAL OR LOCAL REGULATIONS. FLAMMABLE REFRIGERANT USED.
- **CAUTION** – RISK OF FIRE OR EXPLOSION DUE TO PUNCTURE OF REFRIGERANT TUBING; FOLLOW HANDLING INSTRUCTIONS CAREFULLY. FLAMMABLE REFRIGERANT USED.

General

The ice machine is fully automatic. With proper installation and connection to potable water and power source, the ice making will start properly. When the ice cubes fill up the ice bin, the machine will automatically stop. The ice machine is generally used in the following and similar occasions.

- The kitchen area of a store, office or other workplace;
- Farm, hotel, car hotel and restaurant;
- Catering and similar non-retail occasions;
- This ice machine is not intended for used at home.

Installation

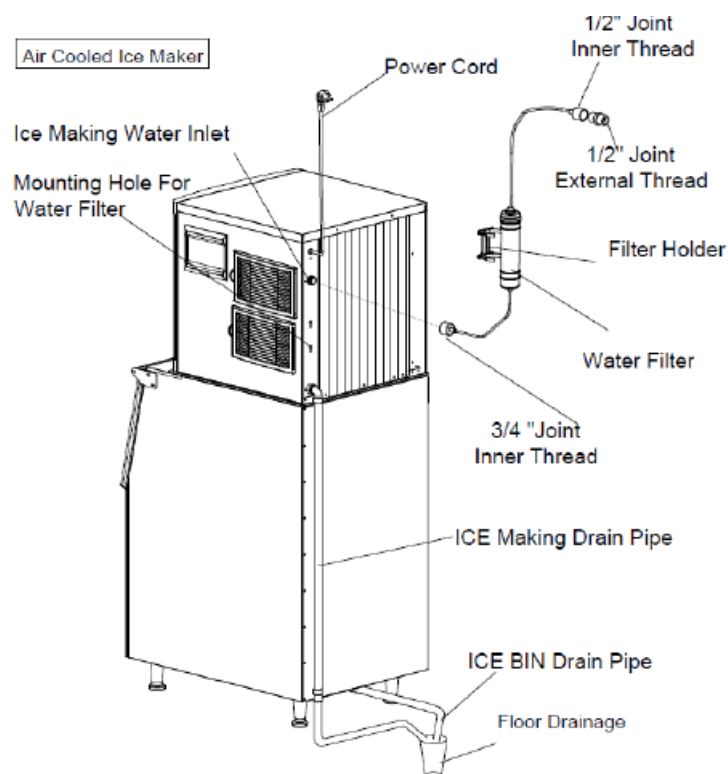
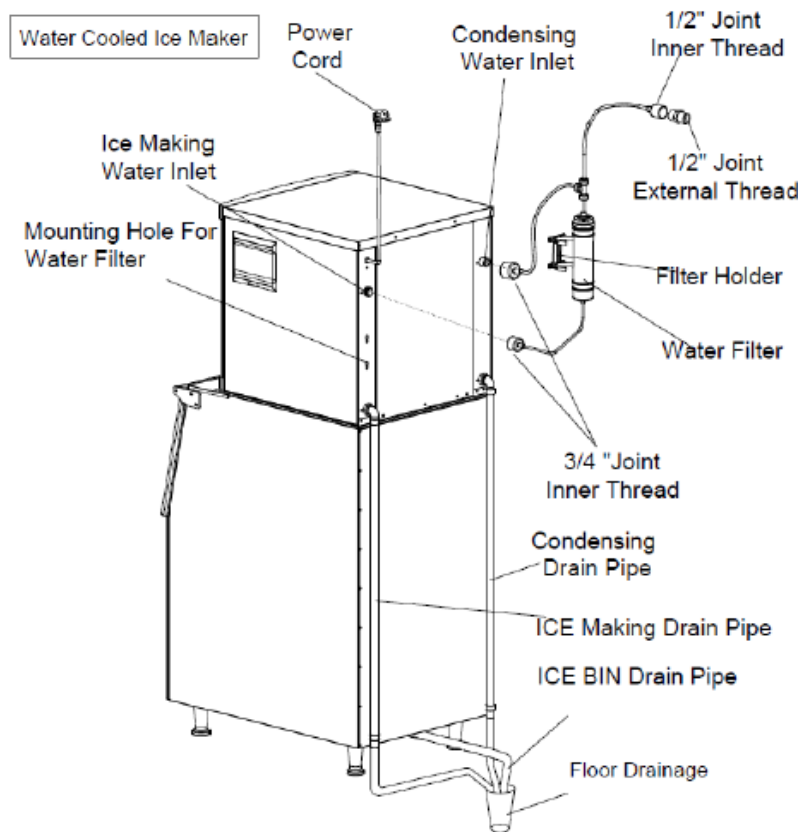
Location for Installation

The ice machine should be installed in a proper location meeting the following conditions:

- Indoor, not more than 2,000 meters above sea level.
- Ambient temperature: 5-40°C.
- Power supply: the rated voltage indicated on the machine nameplate $\pm 6\%$.
- Water source: potable water, with water pressure from 1.3 Bar to 5.5 Bar; water temperature: 5-35°C.
- The ice machine should be kept away from heat sources, and should not be operated at extremely high temperature or low temperature environment, and should avoid direct sunlight.
- There should be sufficient ventilation space around the ice machine and keep good ventilation; the distance from the ice maker to the wall should be no less than 10 inches for the front, 5 inch for the sides, and 8 inches for the rear.
- The ice machine must be placed on a floor sufficient to support its weight.
- Socket for the ice maker must be reliably grounded and with leakage protection.
- Proper floor drainage must be provided near the installation location of the ice.

machine.

Schematic Diagram of Installation



Installation Steps

1. Check if the ice machine is in good condition and the accessories are complete; check the machine model and the machine nameplate.
2. Clean the ice bin and the food area inside with a sponge soaked in warm water and baking soda. Then wash and dry it with potable water.
3. Place the ice machine in the operation area; ensure that the machine is placed on a leveled floor. So as to

ensure the water flows evenly on the evaporators

4. The compressor chamber is located at the back. The compressor and condenser are installed in it. For air cooled unit, it requires good ventilation. Therefore, the front and rear of the ice maker must have ventilation space of more than 10-12 in.
5. The bottom of the ice machine is equipped with adjustable legs for level adjustment and floor cleaning.
6. Connect the machine's inlet water filter and water pipe referring to the schematic diagram of installation; if the installation site is already equipped with a drinking water system, the water filter may not be installed.
Note: This machine is equipped with an inlet water filter. The filter will keep impurities from the water used as the machine is running. Generally, it needs to be replaced every month to every 3 months
7. Connect the machine to the water supply using the 3/4" inlet pipe supplied with the machine. It is recommended to install a water valve (not supplied with this machine) on the water supply line.
8. Connect the drain pipe to the drain connection. In order to meet a good draining, it is recommended that the drain pipe should have a difference of level more than 1 in per yard; and confirm that the drain pipe is not blocked. It is recommended that the drain pipe be connected to an open drainage port.
9. Any joint in the drain pipe must not be higher than the machine drainage port; any joint in the drain pipe cannot be higher than the previous joint.
10. Confirm the power requirements stated in the machine nameplate; ensure that the power supply meets the requirements.
11. A circuit breaker or switch with leakage protector and reliably grounding is required.
12. Turn off the switch on the power line and connect the machine to the power source.

Startup and Operation

1. Before you start up the machine, please check and confirm
 - That the packaging tape inside the ice machine has been removed;
 - The accessories or items in the ice bin have been taken out;
 - The ice machine has been adjusted to a leveled state;
 - The water pipe has been connected and the water valve is open;
 - The plug has been connected to the power supply and the power switch is off.
 - The ambient temperature, water temperature, and pressure of the water supply meet the above requirements.
2. Start up: turn on the power switch. After power-on, the machine begins to make ice automatically.
3. For normal operation, please confirm:
 - ✓ There is water in the water trough and no overflow occurs;
 - ✓ The pump is working properly and water is flowing evenly on the evaporator;
 - ✓ The compressor is running normally, the temperature of the evaporator and the ice making water is gradually decreasing;
 - ✓ For air cooled machine, check the fan is running normally, and there is stable air flow in the inlet and outlet of the ice machine;
 - ✓ The ice machine has no abnormal noise;
 - ✓ The ice machine has no abnormal vibration;
 - ✓ It takes about 10 to 20 minutes to make one batch ice, depending on the ambient temperature and the temperature of the water. The higher the temperature is, the longer the ice making will take;
 - ✓ Ice cube can be properly defrosted from the machine.

Operation Instruction

- **Startup:** after proper installation, connect the water source and turn on the power supply, the machine will start working. Please confirm that the machine is operating normally when you turn it on for the first time. process, the water pump is turned off, the defrost valve is turned on, allowing the hot gas to enter the evaporator for about 1-2 minutes, the ice cubes slides from the evaporator into the ice bin



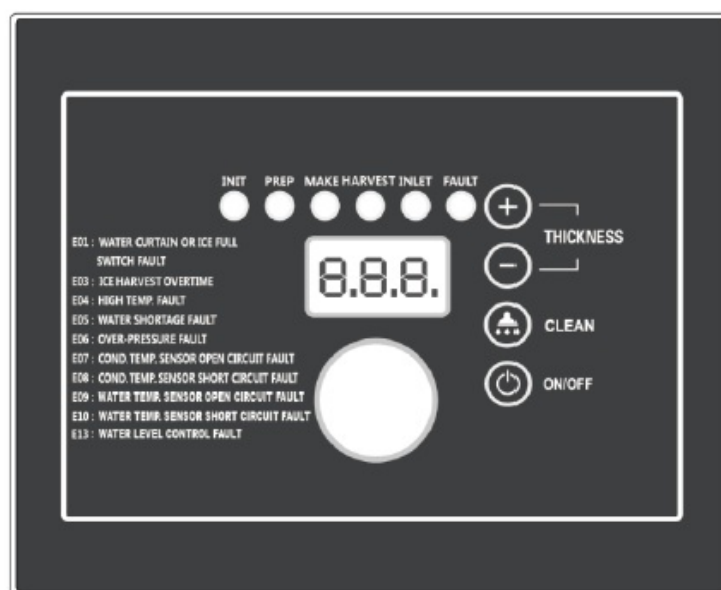
Note: In case of thunderstorm or lightening in the area or when not in use for a long time, disconnect the power and water source!



Warning: Do not put your hand into the ice bin during the harvest process, to prevent the ice to hit your hand!

- **Self-check:** with power on for the first time, the ice maker will do self-check and pump out remaining water.
- **Preparing:** after the ice machine is energized, the inlet valve opens and water will come inside the machine until it reaches high level;
- **Ice making:** after pre-cooling for 30 seconds, the water pump starts, the water flows through the evaporator smoothly and evenly, the ice cubes are gradually formed in the ice cube tray.
- **Ice Harvest (Drop):** after the ice making
- **Shutdown:** The ice maker will stop working when you click the “on/off” button on the panel during running process.
- **Bin full stop:** in the running state, with the ice bin filled to a certain height, the ice sliding board cannot be rebounded or reset because of the block of the freshly produced ice cubes, the ice maker will stop in 40 seconds.
- **Repeat ice-making:** when the blocking ice cubes are taken away, the ice maker will turn back to ice making process in a few seconds.

Instruction of Control Panel



1. LED Display:

- Self-check Display “ini” code.
 - Preparing Counting seconds positively.
 - Ice making: Counting seconds positively as the water temperature decreases to 0°C. Counting seconds down to 0 s after.
 - Ice Harvest: Counting seconds positively.
 - Clean: Display “CLE” during cleaning and descaling; Display “STL” during sterilizing; Display “rin” during rinsing
2. LED Lamps: Lights on during the related process.
 3. Ice cube thickness adjustment: During the ice making process, if you are not satisfied with the ice thickness, press the Ice cube “–” button for 3 seconds, then click the button “+” or “-” on the panel to adjust the thickness of ice cube.
Note: By clicking the “+” or “-” button one time, the ice making time is extended or shortened by 1.5 minute
 4. Cleaning: During the normal operation, hold the cleaning button for 3 seconds to enter the cleaning process. During the entire cleaning process, cleaning agents and disinfectants need to be put into the water trough. When the clean process is finished, the ice maker will go to ice making process.
 5. Switch: When the device is powered, click the “Switch” button to switch OFF/ON the device.
 6. Voice function (only for machines with voice function): The machine with voice announcement prompts will provide voice prompts for related operations.
 7. Please open and close the ice bin door gently. Do not slam the door. After taken the ice cubes, please close the door.
 8. If the ice maker is not in use for a long time, it should be energized and run for 2 to 4 hours every 2 months.

Other special protection – shutdown

- If the ice machine has not detected ice cube falling off in three cycles, it will shut down for safety protection. The ice maker needs to be checked.
- The ice machine detects that the ambient temperature is too high and will stop for safety protection.
- If the water-cooled ice machine detects an abnormality in water supply, it will stop for safety protection.
- The fault code and its comments are displayed as follows:

Code	Comments	Work Mode
E01	Water Curtain or Ice Full Switch Fault	Sleeping mode and recover after the water curtain is reset
E03	Ice Harvest Overtime	Sleeping mode
E04	High Temp. Fault	Sleeping mode
E05	Water Shortage Fault	Sleeping mode and retry every 30 mins

E06	Over-Pressure Fault	Sleeping mode
E07	Cond. Temp. Sensor Open Circuit Fault	Keep working
E08	Cond. Temp. Sensor Short Circuit Fault	Keep working
E09	Water Temp. Sensor Open Circuit Fault	Keep working
E10	Water Temp. Sensor Short Circuit Fault	Keep working
E13	Water Level Control Fault	Sleeping mode

Maintenance



Note: Maintenance must be done by a qualified professional personal.



Warning: Before maintenance or manual clean, be sure to cut off the water source and power supply.

pressure lower than the maximum allowed pressure. Do not flush the part above the water pump or the evaporator directly for water protection.

Exterior cleaning

- Frequently clean the environment around the ice machine to keep it clean. Do not block the vents.
- The outer enclosure should be cleaned with a mild detergent and then wiped clean. If necessary, use commercial stainless-steel cleaners and polishes.

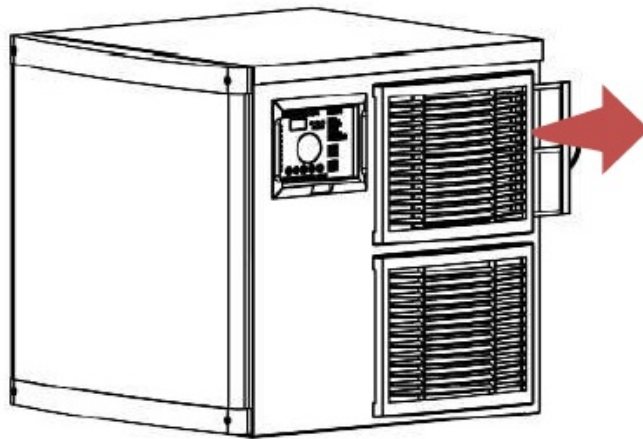
Note: Stainless steel may rust without proper maintenance. Inlet water filter

- The filter element should be inspected regularly. It is recommended to replace filter element every month to every 3 months. Interior cleaning
- The inside of the ice storage bin can be washed directly with water pipes.

Note: Check and confirm the water pressure lower than the maximum allowed pressure. Do not flush the part above the water pump or the evaporator directly for water protection.

Condenser

- For the air-cooled ice maker, the condenser should be cleaned every three weeks. Use a soft brush or a vacuum cleaner with a brush to brush it up and down along the fin direction, to avoid damage to the fins and further affecting the cooling effect.
- The condenser filter should be cleaned every 2 weeks.



Note: Be careful when doing the condenser cleaning as the edges of the fins are sharp.

Water pipe

- In order to ensure food safety, the water pipe of the ice machine should be cleaned regularly.
- Turn off the water and power supply, drain the residual water from the water trough, inlet pipe and drain pipe.

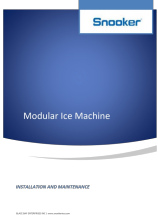
The maintenance of the ice machine is not covered by the manufacturer's warranty!

Wintering

Clean Function

- **Note:** Please empty the bin of ice in advance.
- **Note:** Please clean and sterilizing the bin and do complete rinsing.
- **Note:** Please clean and sterilizing the ice sliding board, water distribution pipe, water supply pipe, water pump, then do complete rinsing.

Documents / Resources

	<p>Snooker Modular Ice Machine [pdf] Installation Guide SK-1000P, SK-700P, Modular Ice Machine, Modular, Ice Machine</p>
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References

- [🌐 HOME | Glace Bay](#)