

ICE MACHINE

instruction manual



Use this machine

- Please read this instruction manual carefully before using this machine
- Please keep this manual properly for use when you need it

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Receipt and Inspection

Thank you for choosing our company's automatic ice machine. In order to safeguard your legitimate rights and interests, please pay attention to the following matters when receiving and inspecting the goods:

1. Whether the outer packaging of the machine is in good condition;
2. Whether the machine model matches what you purchased;
3. Whether the appearance of the machine is in good condition;
4. Whether the accessories attached to the machine are complete;
5. Whether the internal components of the machine are in good condition.

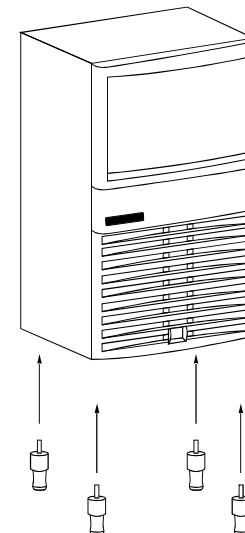
During the logistics and transportation of the machine, it may cause the lubricating oil inside the compressor to flow into the refrigeration pipeline due to improper stacking or handling, resulting in a serious shortage of oil in the compressor. Once the power is turned on, the compressor may be burned in a short time.

Therefore, it is strongly recommended that customers place the correct "place for one day" after receiving the goods, so that the lubricating oil can be returned to the compressor, and then installed and used.

Fault detection

Fault	Possible reasons	Solution
Ice machine does not start	Poor socket contact	Replace socket
	The ice bucket is full of ice	Take out the ice cubes automatically
	The flap is not reset	Adjust the baffle to enable free reset
Ice machine does not flow	The water source is not turned on or the connection is not firm.	Re-check the water source
	Sink drain or blockage falls off	Re-check drain or blockage
	Water pump clogged	Clean the pump
Insufficient ice production	Not cleaned for more than two months	Remove the front panel and clean the condenser
	Ambient temperature is too high	Clean up the surrounding debris and use an electric fan
	Small or closed environment	Clean up the surrounding debris and circulate the air
	Poor water flow above the ice grid	Clean up pumps and sprinklers
Poor transparency of ice cubes or incomplete ice shape	Poor water quality	Install filter and replace filter element
	Ice machine sink, ice tray too dirty	Clean the ice machine and replace the filter element
	Poor water flow above the ice grid	Clean up pumps and sprinklers
	The ambient temperature and water temperature are too low, and the ice is made too fast	Properly adjust the gear to block the trend
No de-icing	Ice cubes are too thick	Lower gear
	Scale on ice grid	Clean up scale
	Ice grid deformed or burred	Adjust the ice grid and replace it in severe cases.
Excessive noise	The ice machine is unstable and the feet are suspended	Place the ice maker smoothly
	Ice machine shell hits other objects	Avoid touching other objects
	Impurities on the fan	Clean the blades
The shell has condensed water	The ice bucket door is not fully closed	Completely close the ice bucket door
	Work in high temperature, high humidity environment	normal phenomenon

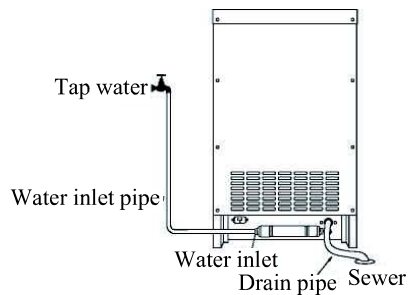
Foot installation and placement



1. Screw the foot to the bottom of the ice maker.
2. Each foot must be screwed to the end and fastened to avoid bending.
3. Place the ice machine in a firm and flat position.
4. Adjust the height of the foot to make the ice maker level.
5. The ice machine is not suitable for outdoor use. The normal ambient temperature is between 10 ° C and 38 ° C, and the water temperature is between 5 ° C and 30 ° C). High temperature will seriously reduce the amount of ice production.
6. The ice machine should not be installed in an environment without sewers and water seepage is not allowed. It is strictly forbidden to put it in parallel with high temperature equipment (such as refrigerators and ovens).
7. The air-cooled ice machine relies on air circulation to dissipate heat. Therefore, the front, rear, left and right need to reserve more than 15CM of space to facilitate heat dissipation

Water supply installation

1. The ice machine must use drinkable room temperature filtered water.
2. The water pressure of the water supply must be controlled between 0.1 and 0.5MPa. If the pressure exceeds, install a reducing valve. Do not squeeze the water inlet hose.
3. The water inlet hose is a 0.25 inch PE straight pipe with a 1/2 internal thread (15mm) connector at one end. There is a silicone sealing ring inside, so there is no need to wrap the raw material belt.
4. The machine comes with a quick-connect filter, which can be directly plugged in and used without tearing off the filter element packaging film. This filter is replaced with a brand new one every six months during use.
5. The ice machine is drained by gravity. Therefore, it is necessary to ensure that the drainage pipe has sufficient slope and drop.



1. Hand press the gray plastic outer ring to the bottom, and unplug the bell mouth-shaped dust plug.
2. Plug in the 0.25 inch diameter white plastic water inlet pipe (plug it in to the bottom).

Ice machine working steps

The working steps of the ice machine are roughly divided into three parts:

1. Inflow

Every time the ice maker is turned on, the float in the sink will detect the water level. When the water level is not enough, the tap water will enter the sink through the water pipe. When the water level reaches, the water inlet float will be closed and the water inlet will end.

2. Ice making (cycle work, up to 40 minutes)

After the ice machine is turned on, the water pump will start with a delay of 30 seconds, and then the ice making will start. When the ice is made, the pump continues to work, and the water flow will flow down from the top of the ice grid into the sink, which will slowly cool until it freezes. When the ice cubes reach the detected thickness during the ice making process, the program moves to the de-icing step. The maximum ice-making time should not exceed 40 minutes. After more than 40 minutes, the machine will be forced into the de-icing procedure.

3. Deicing (cycle work, up to 5 minutes)

In the de-icing process, the ice grid will be heated, and the connection between the ice cubes and the ice grid will be melted. When the ice cubes cannot adhere to the ice grid due to their own weight, they will fall off and complete a de-icing process. The moment the ice falls, the water barrier will be flipped, and then the water barrier will reset due to its own weight, and then the machine will start the next ice making. When there are too many ice cubes in the ice storage bucket, the ice cubes press the baffle so that it cannot be reset, the control chip determines that the ice is full and temporarily stops, and it cannot be started until the baffle is reset.

Fault self-diagnosis

1. Water pump: It is possible to directly observe whether there is water flowing down from the ice grid. If not, the water pump is faulty.
2. Ice making: After the ice making work lasts for 10 minutes, the water in the sink will become significantly cold. You can directly touch the ice grid or running water to feel the water temperature.
3. Inflow: Turn on the faucet to directly observe whether water enters the sink. The sink has no water and does not enter the water, which can be judged as the failure of the water inlet float or the blockage of the water inlet pipeline system.

Maintenance

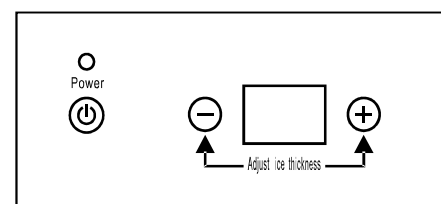
Please carry out maintenance and maintenance according to the requirements of this manual in order to improve the reliability and service life of the ice machine, and avoid the increase of the energy consumption coefficient of ice production while maintaining hygiene.

1. Clean the surrounding environment of the ice machine frequently to keep it clean, and do not block the shutters for ventilation of the ice machine.
2. The cleaning of the shell can be cleaned with neutral cleaning agent, and then wiped with a soft rag. If necessary, commercial stainless steel cleaning agent and polishing agent can be used.
3. The filter element should be checked regularly. Ordinary filter elements are mostly replaced in half a year, and advanced filter elements should be replaced on time according to the instructions.
4. When the inside of the ice maker sink and ice storage bucket is cleaned, it can be directly rinsed with a water pipe. The water pressure should not be too large. Do not directly flush the water pump and the above part of the ice grid to prevent leaching of the circuit.
5. Maintenance of the air-cooled ice maker condenser: the air-cooled condenser should be cleaned once every three months. Use a soft brush or a vacuum cleaner with a brush to brush the condenser fins up and down in the direction of the fins to avoid damaging the fins and affecting the cooling effect. Use a flashlight to check the cleaning effect.
6. Overwintering maintenance: In addition to turning off the water source and power supply, the residual water in the ice maker sink, inlet pipe and drain pipe should also be discharged.

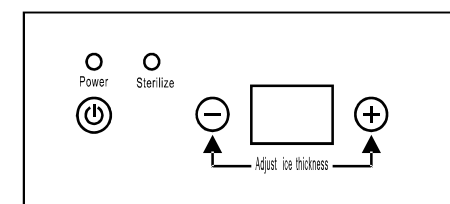
Any maintenance of the ice machine is not covered by the manufacturer's warranty.	If the scale inside the ice machine is serious or the waterway is blocked, please call after-sales services. There will be a fee for door-to-door service.
The filter element of the filter should be replaced regularly.	The fins of the air condenser have sharp edges, so do not be careful when cleaning.
Before cleaning and maintenance work, be sure to turn off the water and power supply and unplug.	

All-in-one ice machine operating instructions

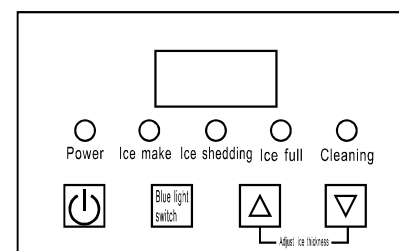
The ice maker adopts a touch switch, plugs in the power plug, and after turning on the power supply, the power indicator light flashes, the digital display windows of A, B, and D display the current ambient temperature, and the C display "PP" standby. Press the switch button, the machine will start, the power indicators of the A and B models are always on, the power indicators and ice-making indicators of the C/D models are always on, and the A, B, and D models in the digital display window display 03 digital gears, The C model displays the ambient temperature number.



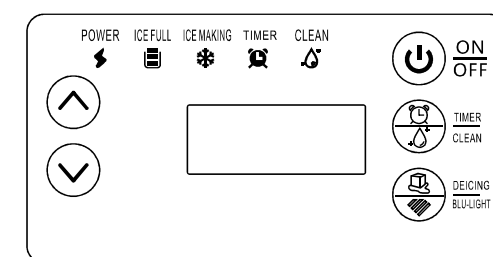
A Model



B Model



C Model



D Model

1. Ice thickness adjustment: A, B, and D models have a total of 6 gears of ice thickness adjustment. When turned on, the default is 03 gears. Press the button, and the digital display window will become 02 gears. The next ice making time will be reduced by 2 minutes, and the ice cubes will thinner. On the contrary, press the "+" button, the digital display window will become 04, the next ice making time will increase by 2 minutes, and the ice cubes will become thicker. The rest of the gears and so on. C model ice machine press the up button or

down button, the display window displays the current ice thickness number, press the "down" button, the number is reduced by 1, the ice making time will be reduced by one minute, and the ice cubes will become thinner. On the contrary, press the "up" button, add 1 to the number, add one minute to the ice making time this time, and the ice cubes will become thicker. The adjustment range: -9~ 15, a total of 25 adjustment times.

2. Manual ice drop: A, B, and C model press and hold the "+" button or "up button" for three seconds while the machine is running. D model Press and hold the "blue light/de-icing button" for three seconds while the machine is running. The machine will enter a forced de-icing procedure for de-icing.

3. Blue light switch: A and B ice machines can turn off the blue light by long pressing the "-" button, otherwise the blue light can be turned on. D Press the "blue light/de-icing button" to turn on or off the blue light. C ice machine press the blue light switch button to turn off or turn on the blue light.

4. Cleaning function: When the power is turned off and turned on, press and hold the "Appointment/Cleaning button" for D, and press the blue light button for 3 seconds for C. The machine enters the cleaning program, the cleaning green light is on, and the water pump is pumped and circulated for cleaning. After 30 minutes, please unplug the rubber plug at the bottom of the sink or put down the drain hose. After draining the water, plug the rubber plug or fix the drain pipe upward to complete the cleaning work.

5. Reservation function: When the D ice maker is in standby state, press the reservation/cleaning button, the reservation green light is always on, the digital box displays 01 (turn on after 1 hour), and you can press the "+ -" button to adjust the time in hours. In the running state: press the reservation button, the reservation light is always on, the digital box shows 01 {shutdown after 1 hour), and you can press the "+" button to adjust the time in hours.

6. Display instructions:

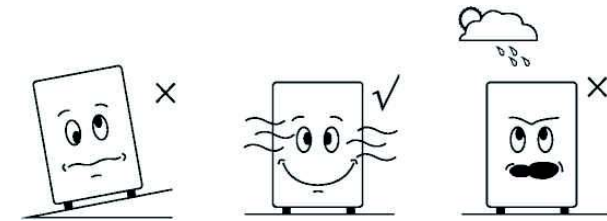
The digital display window displays the E2 series ice full code, prompting the machine to automatically stop making ice when the ice in the ice storage bucket is full.

The digital display window displays the fault code of the E3 series ambient temperature sensor.

The digital display shows the fault code of the E4 series de-icing timeout sensor.

Daily Precautions

1. When transporting and misappropriating the position, the ice machine should not be tilted more than 45 degrees.
2. Please use an independent water source for the ice machine and check it regularly to prevent the water pressure from being too low, fluctuating or the filter from being blocked.
3. Do not store any sundries in the ice storage room, let alone freeze or chill any food in the ice storage room, and keep the ice shovel clean.
4. When opening and closing the plastic door of the ice storage bucket, it should be opened and closed lightly, and do not break the box door. Please close the sliding door of the ice bucket after removing the ice.
5. The ice machine should be kept away from heat sources, and it is strictly forbidden to use it in a high temperature or low temperature environment. Direct sunlight should be avoided as much as possible, so as not to affect the heat dissipation of the machine.
6. It is forbidden to directly flush the surface of the ice machine with water, otherwise it may lead to short circuit, leakage and other faults.
7. After the ice machine is used for a period of time, if it is placed and disabled for a long time, it should be powered on and run for 4-6 hours every two months.



Electrical safety matters

1. It is strictly forbidden to plug or unplug when your hands are wet, and the power supply should be unplugged before any maintenance and cleaning work begins.
2. It must be ensured that the socket is equipped with a grounding wire and is safely grounded.
3. The electrical control system has a voltage above 36V, do not open and touch it at will during use. If you need maintenance, please contact the manufacturer, or ask qualified professional and technical personnel to deal with it.
4. The power connection should be marked according to the nameplate, use the specified power supply, and determine the wire specifications used in the connection circuit or meet the requirements. If possible, please use a special power socket and fuse.
5. When the ice machine is out of use, unplug the power plug or cut off the power supply of the complete-built unit.