

Dear users:

Thank you for choosing, using our products—Ice Maker.

With the current advanced technology and the professional technique from Italy, we specialized in Ice Maker. The excellent quality and performance makes our products superior in the like product. For you to have the good understanding to Ice Maker, please read the user's manual in order to make it convenient for you, and according to the step operation of the user's manual.

If you have questions during using the machine, please feel free to contact us. We will respectfully serve you constantly. Thank you for using our products again!

Our company mainly manufacturing continuous-flow type Ice Maker, following is the introduction.

Shanghai Binluo Electric Machine Equipment Co., Ltd

更多内容，可参阅制冰机专刊：

More information about ice maker, refer to: <http://www.kinglake.com.cn/column-icemaker.htm>

The advantage of Continuous-flow type Ice Maker

The Continuous-flow type Ice Maker our company manufacturing are mainly two types: Cabinet type (namely ice storage bin is binded with chief machine) and detachable style (namely the machine is made up of chief machine and ice storage bin). The ice bin has the volume capacity of a half of the ice production capacity per 24hours. Photo-electricity and magnetic switch in the machine can control ice making process, turn on and off the machine automatically. We adopt the professional technique from Italy.

1. With the outer cover of stainless steel, appearance is luxurious, graceful and natural, easy to install.
2. With the microcomputer controlled, offer the perfect safe protection function.
3. With the function of trouble mention, facilitate maintenance.
4. Compact design, save the floor space.
5. The standing type evaporating pan of high-efficiently, save the water and electricity.
6. With the function of self-cleaning, save the human power.
7. The interior layer is made of free-fluorin foaming material which is heat insulating.
8. With the adjustable balance supporting feet.
9. The guarantee period is one year for spare parts and three years for compressor, except for human-destroyed cause.

I. Preparation for Installation:

1. Open the package.
2. Carefully Check whether the machine is damaged during shipping.
3. Open the door of machine.
4. Take out the spare parts attached with the machine.
5. Wipe the ice bin with the clean wet cloth.
6. Adjust the supporting feet to be balance after setting.

II. Important explanation:

When placing the machine, pay attention to the following items, otherwise the ice production capacity will be reduced seriously.

1. Keep the machine to the surrounding wall for 200-300mm space, ensure enough air flows.
2. The lowest room temperature is 1.7°C while using.
3. The highest room temperature is 42°C while using.
4. The minimum pressure of supplying water is 0.13Mpa.
5. The maximum pressure of supplying water is 0.55Mpa.
6. The lowest using water temperature is 0.6°C.
7. The lowest using water temperature is 30°C

III. Installation:

1. Connect the machine to power supply

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Voltage is required to be 220V, 50HZ, if the voltage is unsteady, voltage regulator is needed. Three-hole sockets or cut-off relay for machine must be offered for machine and make sure grounding connection well before installation.

2. Water channel connection

There is a water input pipe attached with machine, connect the curved end to water inlet on the machine, the other end is linked with the water source. If for water cooling type machine, a cooling water-inputting pipe is needed, connect the curved end to cooling water-inlet on the machine, the other end is linked with the water source. This machine can use the international drinking water, if water quality is poor, water filter is must be fixed in the water inlet on the machine.

3. Draining water connection

For the Cabinet type ice machine, there is a water outlet on the bottom of the back, connect the curved end of the plastic pipe we offer with the water outlet on the machine, the other end is linked with the sewer. For the detachable type ice machine, there is a water outlet on the bottom of the ice bin, use the drain pipe to connect the water outlet to the sewer.

IV. The explanation for control panel of the computer:

ER2	ER1	DEICE	ICING	POWER
○	○	○	○	○

Sketch

Function specification:

POWER is a power indicator lamp, or in the state that the ice storage bin is full of ice. This lamp is always on. (Green light)

ICING is the ice making indicator lamp, it is on when making ice.

(Green light)

DEICE is the ice collecting indicator lamp, it is on when an ice making course finished, and ice cube is off from ice mould. (Yellow light)

ER1 is trouble indicator lamp, it is on when trouble makes the machine stop.

(Red light)

ER2 is trouble indicator lamp, it is on when trouble makes the machine stop.

(Red light)

V. Operation specification:

(1) Model: BL-50A/BL-80A/BL-100A/BL-150A/BL-200A

1. After confirm the power supply and water supply is in good state, put through the water source, three minutes later turn on the power.
2. There is a switch in the middle of the ventilation opening in the front of

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- the machine, press the switch to be “ON” position.
3. After starting the machine, accept icing action. This action will be appeared when using the machine firstly and machine turn on after stopping automatically. This is normal.
 4. After open the electromagnetic valve of inputting water, the water lever in the water channel, drain the surplus water from the water outlet.
 5. Ice making procedure will be cyclical automatically.
 6. The power will be turned off automatically after the ice bin is full of ice cube.
 7. The auto ice making procedure will be recovered after the ice cube is used.

(2) Model: BL-300A/W、BL-500A/W、BL-700A/W、BL-1000A/W、BL-1400W、BL-1900W

1. Open the front panel, press the switch of the main machine to be “ON” position.
2. Open the defrost electromagnetic valve to balance the pressure, then compressor and fan begins to work.

Ice making step:

3. Water pump begin to work, make the water uniformly input the evaporator and every ice mould grid, and icing.
4. When the temperature probe measure the zero degree, the icing course begins.

Ice collection action:

5. Open the electromagnetic valve and drain the water to take the mineral away from water channel. Then open the defrost electromagnetic valve, use the steam of refrigerant to heat the evaporator, then the ice cube is fall off the evaporator into the ice storage bin. The switch of splash plate reset to finish the ice collection action, and the next icing course begin.

6. When the ice collecting is finished and the ice bin is full of ice cube, the magnetic switch of splash plate will not be turn back to the original position, the icing switch is on/off automatically. When the ice cubes are used, the splash plate will turn back to the original position, the machine restarts and new icing course begins.

Draining water and washing:

7. If the machine is idling for a long period, drain out the water of the water channel.

Operation method: Open the front panel, adjust the switch of the main machine to be “clean” position, then adjust the cleaning switch to be “drain” position, till the water in the channel is drained out.

8. Due to the usage of a long period, there is water dirty inside of the machine, it must be moved off.

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operation method: Open the front panel, adjust the switch of the chief machine to be “clean” position, add the washing liquor into the channel, and adjust the cleaning switch to be “drain” position to make the machine self-wash the water system.

After the cleaning, adjust the cleaning switch to be “OFF” position and power switch to be “OFF” position.

VI. Notice items:

1. Ice maker should be placed away from the heat source, and with good ventilation. Otherwise, the ice production capacity will be reduced.
2. Don't open and touch the electrical control system at will while using.
3. Check the data plate and user's manual to choose specified power supply and specifications, and make sure the grounding connection well.
4. When stopping using the machine, drain out the water inside of the machine, cut off the power of the whole machine.
5. If stopping using the machine for a long period, make sure to get through the power for more than six hours every half a year.

VII. Machine maintenance:

Notice: Make sure to cut off the power before cleaning the machine.

The cleaning interval period totally depends on the machine condition of environmental, water supplying, and ice production quantity.

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Usually the maintenance and cleaning should be done twice at least every year.

VIII. Cleanness of the condenser:

For fan cooling type machine, many dirty on the condenser will make the ice production quantity reduced. So the machine must be cleaned in periodically, and clean the machine to be unused. Cleaning can go with the cleaner or brush.

IX. Cleanness for the filtration screen of the copper joint at the water inlet

Take the stainless filtration screen out of the joint head, replace it after cleaning.

X. Cleanness for the evaporator and water channel

Cleaning method: Add the cleaning liquor into the water channel, adjust the cleaning switch to be “cleaning” position to start the self-cleaning, after a certain period, adjust the cleaning switch to be “draining” position, drain the cleaning water through the water-draining valve.

XI. Cleanness for the water-inputting electromagnetic valve and drain valve:

Take off the electromagnetic valve from the water inlet pipe, clean the filtration.

Take off the valve from drainpipe, clean the filtration.

XII. Analysis for common malfunction and resolve:

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POWER on ER1 flare	1. Supplying water is insufficient, 2. no supplying water, 3. water supplying pressure is not enough	1) Check the water source, whether the switch of water source is on or water input quantity;
		2) Check whether filtration needs to be cleaned and changed
POWER on ER1 On Red light	1. water supplying doesn't stop 2. refrigerant releases	1) Water-draining electromagnetic valve is blocked,
		2) The splash plate is not upright or doesn't turn back to original position.
POWER On Green light ER2 Flare Red light	Condenser (for fan cooling system)	If the heat-dissipation net is dirty, take off the left and right side panel to clean.
	Heat-dissipation motor (for fan cooling system)	Check whether the motor works and air is flowing.
	No supplying water for condenser, of the supplying water is insufficient. (for water cooling system)	1. Check the water source whether the switch for water supplying is closed or water flow is little.
		2. The pressure of water supplying is not enough, water pressure is lower than 0.5Kg/cm ²
		3. Water quality is too poor, the water pipe is blocked due to long-period use.
		4. Need the cleaning liquor to wash.
High-pressure switch	Check whether high-pressure switch is cut off.	
Stroke motor doesn't work	Check whether motor rotates or in loose contact	
Power on Green light ER2 on Red light	Ice cube pusher	1) Check whether the cam rotates.
		2) The ice-pusher pole can't be turn back to original position.

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After-sale service

If you have any question while using, please feel free to contact us.

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