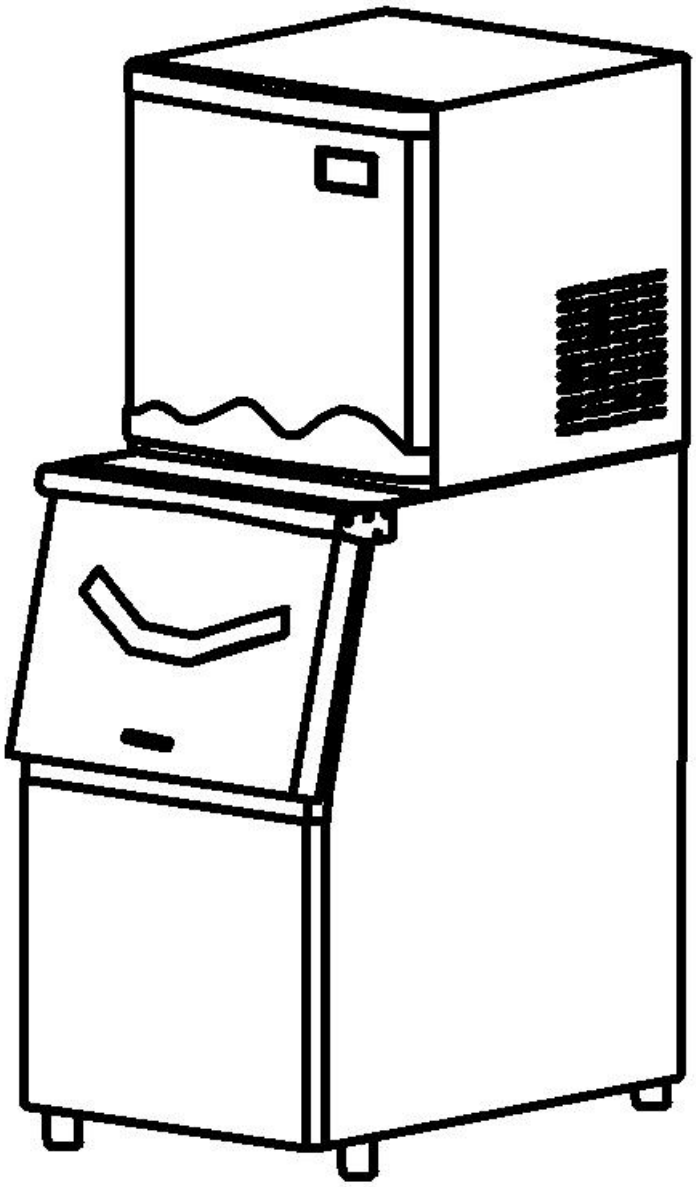
Instruction manual
ICE MAKER



The product is subject to the actual product in the carton.

You should read this user manual carefully before using the appliance

MADE IN CHINA

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Important safety tips

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Important safety tips

●When using electrical devices, basic safety precautions must be taken to reduce the risk of fire, electric shock and personal injury. Please read the instruction manual in full before using any electrical device.

●**The machine must be installed correctly according to the installation procedure before use.**

●Do not place the power cord on carpet or other heat sources. Also, do not place the power cord in an area where people or objects are moving or immerse the power cord in water. The use of extension cords is not recommended because of the risk of overheating or fire.

● If the power cord is damaged, it must be replaced by the manufacturer, its service department or similarly qualified persons in order to avoid a hazard.

●Be sure to pull out the plug when the machine is no longer in use.

●Please pull out the plug or cut off the main power supply before cleaning or repairing the machine. Note: if the machine needs to be repaired, it is strongly recommended to be operated by a professional.

● Never pull the power cord with your hand to pull out the plug, and you must hold the plug with your hand and pull it out in a straight line.

- Do not store explosives, such as combustion supporting spray, in the appliance; The appliance is intended for domestic and similar purposes, e.g.: - kitchen areas in shops, offices or other workplaces; - Guests in farms as well as hotels, motels and residential-type environments; - family hotel type environment; - Used in food and beverage industry and similar non-retail industries.

Warning: do not use the ice machine outdoors or expose it to rain. The ice machine shall be placed and used indoors free of obstructions, with good ventilation, and away from direct sunlight. A distance of 15 cm at least should be kept from the walls in the front, at left or at right to facilitate heat dissipation.

● Please do not tip or tilt the machine, as this may cause abnormal noise and ice cubes of abnormal size, and more serious may cause water leakage.

● If the machine has just been moved from the outdoors in winter, please turn it on after a period of time when the temperature of the machine rises.

● Do not use electrical appliances in the pantry of the appliance other than the type recommended by the manufacturer.

Warning:

● The machine must be grounded and use a power supply of 120V ~/60Hz.

● Only connect to drinking water sources that comply with local drinking water standards.

●In addition to the methods recommended by the manufacturer, mechanical equipment or other means shall not be used to accelerate the defrosting process, and the refrigeration circuit shall not be damaged.

WARNING: Fire Hazard/Combustible Material

●The refrigeration system contains high-pressure refrigerant, and the refrigeration system shall not be damaged. Special care must be taken during installation and handling. Installation and maintenance must be carried out by the manufacturer or professionals. Scrap must be disposed of by designated recycling departments.

The ice machine has thermal insulation materials, which are combustible ıaterials and must be kept away from fire sources. Maintenance must be carried out by the manufacturer or professionals. Scrap must be disposed of by designated recycling departments.

Installation and connection

WARNING: The machine must stand for 24h before power on.

Install the machine according to the manual.

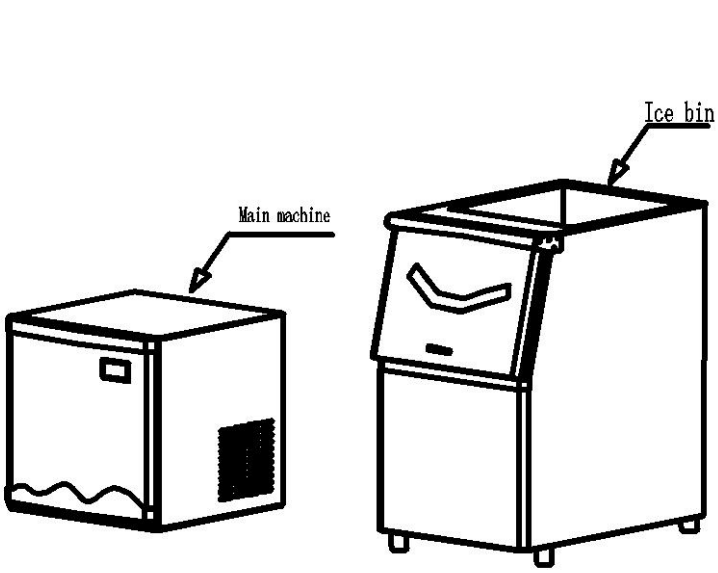
1) Unpack the main machine and ice bin

Note: installation must be carried out by a professional according to the instruction manual.

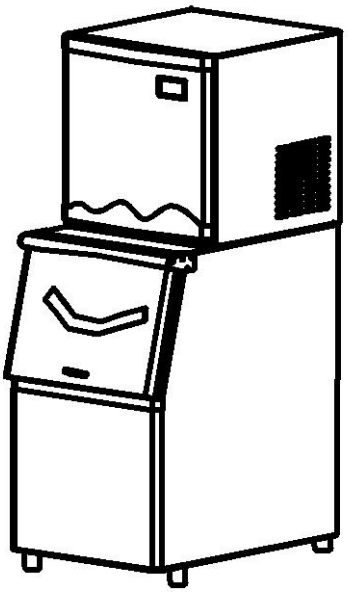
Warning: please do not use foam and other packaging materials as toys for children and mentally handicapped people, because it may bring them danger.

Note: please remove all packing parts when using, otherwise the machine may not work normally.

a) Remove the packaging and check that the machine is in good condition;



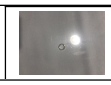
First, take the main machine and ice bin from carton



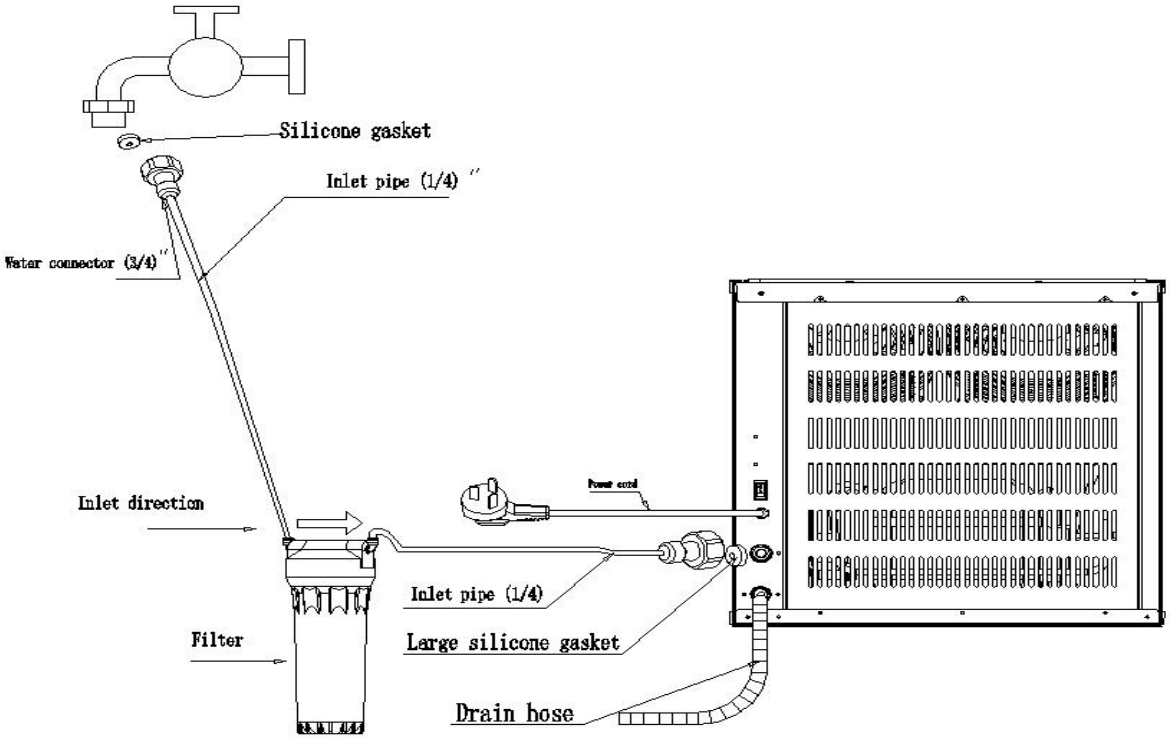
Second, place the main machine on the top of the ice bin as the illustration.

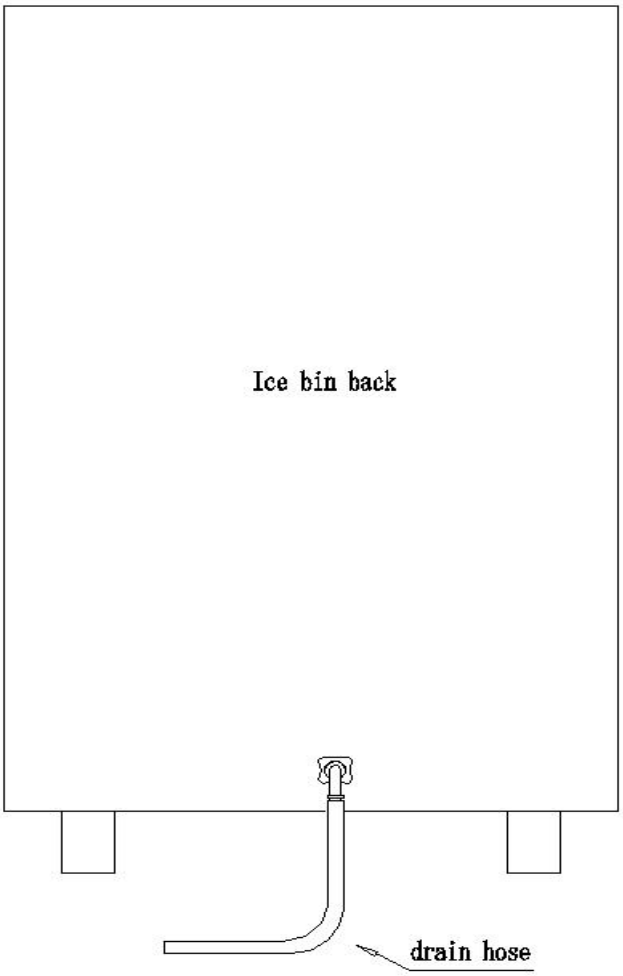
2) Accessories list

Take the two accessories bags from the ice bin and check whether all the below accessories are included or not.

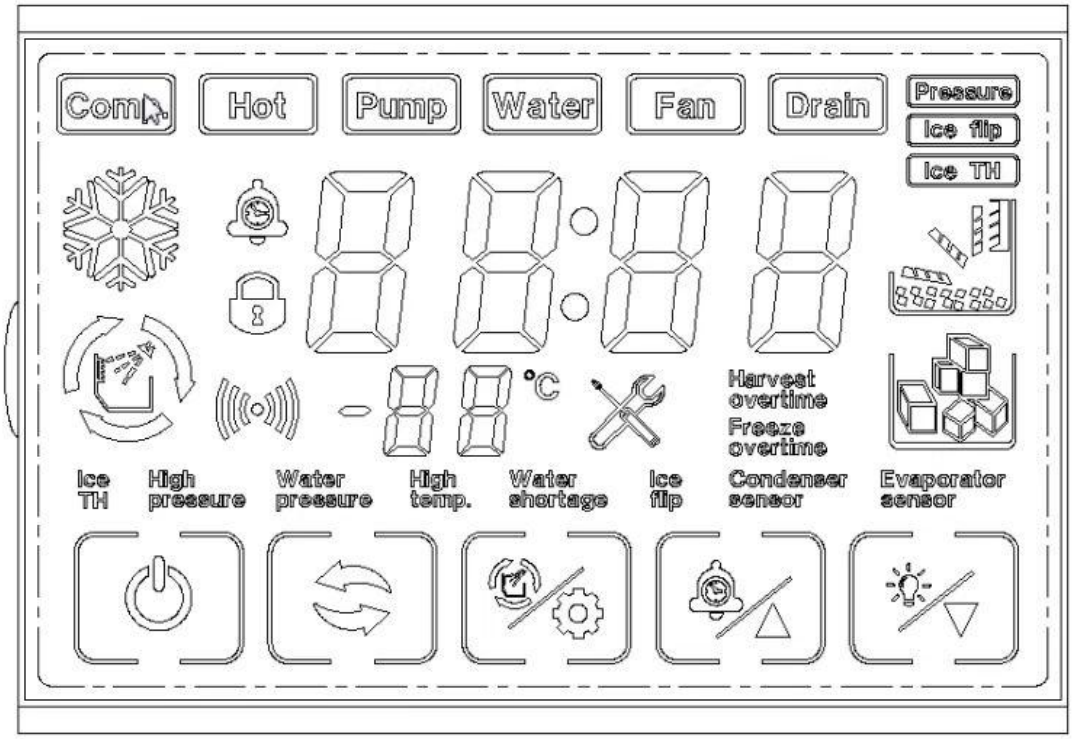
S/N	Name	Picture	PURPOSE	Quantity
1	Manual		Machine operating instructions	1PC
2	Filter		Filter water	1PC
	Blue clip		Spare blue clip	8PCS
3	Ice scoop		Take ice cubes from ice bin	1PC
4	Black drain connector		Connecting water drain hose	1PC
5	White Drain connector		Connecting water drain hose	1PC
6	Drain hose		Both of the main machine and the ice bin need to be connected to floor drain before starting the machine	2PCS
7	Wrench		Open the filter	1PC
8	Hanging board		Fix the filter	1PC
9	Large silicone gasket		Place in the 2 drain connectors	2PCS
10	Silicone gasket		Place in the water intake connector of the assembled filter.	1PC
11	Thread seal tape		Sealing if necessary	1PC
12	Screw		ST5*18	6PCS

2) Installation and connection


Silicone gasket
Inlet pipe (1/4)
Water connector (3/4)
Inlet direction
Power cord
Inlet pipe (1/4)
Filter
Large silicone gasket
Drain hose


Ice bin back
drain hose

Control Board



Operation instruction

1. Plug in and turn on the switch on the back of the main machine will make the machine enter into standby mode; The screen will be locked automatically after not operating any button for 60 seconds, hold any button for 3 seconds to unlock the screen. If the machine was powered off because of abnormal shutdown, the machine will enter into ice making mode automatically after restoring power.

2. Turn on the machine, ice making light and cleaning light will turn on, the machine will add water automatically; if it detects that the water is enough, the machine will enter the ice making state after a few seconds.

3. When mode button is touched in the power-on state, it can be adjusted with 3 modes manually and cycle through the three states of ice making, water pump(drain) and heat valve (forced deicing) in turn.

4. In the state of ice making or water inflow, touch the “+”or “-” key to adjust the ice making time (scope of ice making time is -5 minutes to +8 minutes)

5. In the power-on state, click the cleaning button to enter the cleaning state.

6. In standby mode, click the reservation button to enter the reservation function, and the reservation time can be adjusted by pressing the “+” or “-” button.

7. In the standby state, press and hold the setting button for 5 seconds to enter the setting state;

Click the setting button to set the previous code, and cycle from 0 to d in turn. Click “+” or “-” to adjust the last two digits. Please refer to the table below for each code number:

Table 1: Setting Reference Table

Previous code	setting items	Setting range	Defaults	Remark	Machine status
0	Timeout deicing time	1-10	6	Set for more than 6 minutes, and turn on the pump in the last 1 minute	efficient
1	Sensitivity of ice thickness detection	1-20 level	10 level	This parameter is only valid in the ice thickness detection mode	Not efficient-
2	Prepared cooling time	10-120 seconds	60 seconds	Stepping for 10 seconds	efficient
3	Water adding limit time	01-45 minutes	5 minutes		efficient
4	Cleaning setting	00/01	00	“00”Power on without cleaning；“01”Power on with cleaning	efficient
5	With or without drain setting	00/01	00	“00”have draining；“01”do not have draining	efficient
6	drain cycle	00-20	05	Drain water after every 5 times of ice making	efficient
7	High voltage detection	00/01	00	“00”No high voltage detection；“01” With high voltage detection	efficient
8	mode selection	00/01	01	“00”ice thickness mode；“01”timed mode	Not efficient-
9	Water-cooled and air-cooled	00/01	00	“00”air-cooled；“01”water-cooled	Not efficient-
	High temperature alarm	From 65 to 80℃	70℃	Condensation probe high temperature alarm	efficient
	Manual cleaning time	From 2 to 30 minutes	10 minutes		efficient
	Water intake method	00/01	00	“00”running water；“01”water bucket	efficient
	Drain time	05-60S	20 seconds	Stepping for 5 seconds	efficient

Display descriptions

1. Power on: the LCD is fully bright, and the four-digit number displays the version number.
2. Water inlet: time displays C00, ice making, deicing and full ice are light.
3. Thermal valve: cleaning, ice making, deicing and full ice are light.
4. Ice making: when the ice making icon is on, the time displayed is the ice making time
5. De-icing: when the de-icing icon is on, the time displayed is the de-icing time.
6. Ice full: when the ice full icon is on, the time displayed is the ice full time.
7. Fault: the fault icon is flashing, and the corresponding fault Chinese characters are bright.
8. Shutdown: display OFF.

9. Appointment time setting: the appointment icon is on, and the time is displayed as the scheduled power-on time.

10. Reservation status: the reservation icon is flashing, showing the countdown of the reservation time.

11. Setting status: the time display digital tube displays the setting parameter number on the far left, which is always on. The last two digits or three digits are parameter values, which are flashing.

2) Installation position

Note: first, screw the four foots supplied with the machine to the corresponding positions on the bottom of the machine.

a) This series of machines shall be placed in a clean place with good air circulation. They shall not be placed in the open air or exposed to sunlight or rain.

b) The machine cannot be placed near any heat source.

c) Around this series of machines, the ambient temperature should not be lower than 3°C and not higher than 40°C, and an appropriate distance should be kept so as to maximize the ice-making effect and heat dissipation of the machine

c) The machine shall be placed on a stable level base or the ground. Please calibrate the levels of the front left and the front right directions during the installation.

d) Please do not place any objects on the top of the ice machine.

e) The enough space must be remained on the left and the right sides and the back so as to maintain good air intake and facilitate the maintenance.

Location	Spacing (cm)
Side	15
Back	20
Front	50

3) Setting

Improper installation may cause injury to people or objects.

Please place the ice machine at a constant location where the power cord can be directly plugged into the socket.

4) Electrical connection

Warning: this machine must be grounded

a) There must be a power supply or socket that can provide 120V ~/60Hz, and the power supply or socket must be reliably grounded.

b) The fusing current of the electrical box must be greater than 20A. If it needs to be replaced, it must be done by professionals.

c) If the power cord or plug needs to be replaced, it must be done by a professional after-sales service engineer.

d) The voltage fluctuation shall not exceed ±10% of the rated voltage, otherwise a voltage stabilizer shall be installed.

5) Water supply and drainage connections

Warning: the ice machine should only be connected to a drinking water source and the water source must meet the local drinking water standard.

The water supplied to the ice machine must be connected with a filter to improve the drinking standard of the

water. Please do not connect to the tap water directly. If the ice making fault is caused by the tap water, our company will not be responsible for the maintenance.

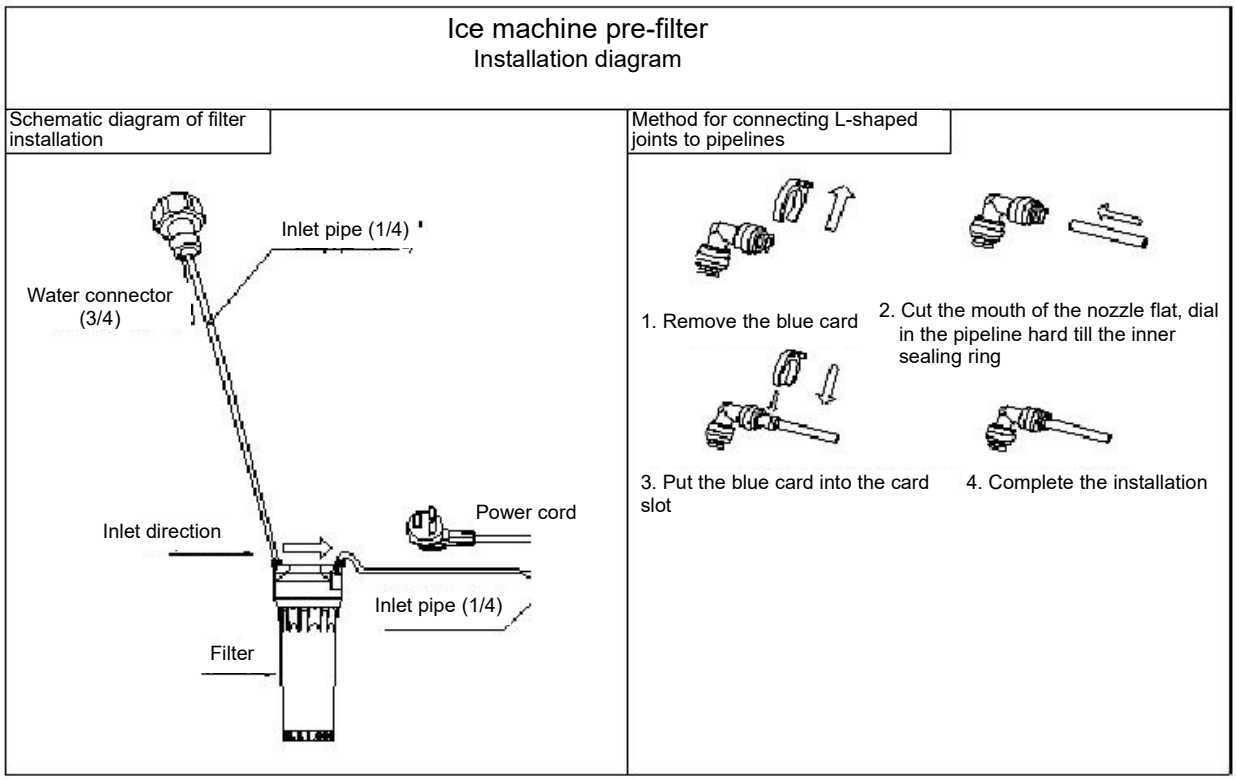
The water supply pressure should be 0.1-0.4MPa. If the pressure is greater than 0.4MPa, a pressure reducing valve should be connected. Please use the new hose assembly attached to the appliance. The old hose assembly cannot be reused

As the water is drained through the dead weight of water, the drain pipe should have sufficient height or drop.

1) Remove the plug on the water inlet connector on the back of the machine, insert the water inlet line into the water inlet connector, and clamp the blue card into the slot of the water inlet connector to ensure no water leakage.

2) connect the other end of the external inlet pipe to the tap.

Method for disassembling and assembling the plug and the water inlet pipe



Installation of pre-filter

Operation instruction

Warning:

1. This ice machine is used to manufacture and store ice for use, and in order to ensure the hygiene of the ice, please follow the following principles:

Wash your hands before taking out ice cubes, and use the plastic ice scoop provided in the accessories to take ice.

Do not store anything other than ice cubes in the storage bin.

Clean the storage bin before use. Keep the ice scoop clean and rinse with a neutral detergent. After removing the ice, close the door to prevent dust from entering.

2. The use of any electrical appliance should follow the basic guidelines, in particular:

●The environment with high humidity will increase the risk of short circuit or electric shock, if in doubt, please cut off the power of the ice machine.

● Please do not directly pull down the power cord to shut down the machine.

● The ice machine cannot be used by children or the elderly without adult supervision.

1) Operation

The installation service personnel are usually authorized to start the automatic ice making program. For smooth ice making, the following points need to be confirmed:

a) Opening of water supply taps;

b) The lower drain has been connected to the drain of the room;

c) The ice machine is connected to the power supply;

2) Prepare the long-term preservation for the ice machine

a) Unplug the power plug or cut off the power supply;

b) Close the water supply tap and remove the water inlet pipe;

c) Remove all ice and drain the storage bin and water tank;

d) Wash and dry the inner walls of the storage bin and water tank.

Cleaning and maintenance of ice machine

1) Cleaning of internal and external parts

Caution: unplug the power cord before performing any cleaning or maintenance procedures.

After-sales service personnel check and clean the condenser at least once a year, so that the ice machine can work better.

Do not use alcohol, etc. to clean the ice machine, which may cause the plastic parts to crack.

a) Periphery

Wipe the outside of the ice machine with a clean, soft cloth at least once a week, then use a cloth dampened with neutral cleaner to wipe away grease or other impurities.

b) Ice scoop cleaning (weekly)

Immerse the ice scoop in a mixture of neutral detergent and water for at least 3 min, then rinse with clean water and shake it dry.

Note: drying with a cloth may recontaminate.

c) Storage bin cleaning (weekly)

Open the ice access door and remove all ice cubes.

Clean the inner wall of the storage bin with neutral detergent, and then rinse with clean water.

Wipe the inner wall with a cloth soaked with neutral detergent, rinse with clean water, and finally wipe the inner surface with another clean cloth.

Common fault diagnosis

1) No ice making

Fault phenomenon	Inspection items	Possible causes	Solutions
Ice machine is not running	Power cord	Not plugged in the socket	Plugged in the socket
	Control panel fuse	Fused or damaged	Check and replace.
	Storage bin	The ice is full, and the ice cubes press the evaporator to swing the blades	Remove ice cubes or remove ice from evaporator swing vanes
		If there is no such situation, the proximity switch is faulty	Replace the proximity switch

	Power supply	No power or low voltage	Contact the power supply department
	Water supply tap	No water or low water pressure	Increase water pressure
	Inlet valve	The filter screen is blocked or the inlet valve is broken	Clean the filter or replace the inlet valve
The compressor does not run or stops suddenly	Power supply	1. The voltage is too low.	Contact the power supply department
	Air inlet	The air inlet is blocked	Leave a space of at least 15 cm on the left, right and rear sides
	Condenser	Excessive ash deposit	Clean condenser
	Cooling system	Refrigeration system leakage	Contact after-sales service personnel
	Compressor	The connecting wire is broken or falls off	Contact after-sales service personnel
No water in water tank	Floating ball	Floating ball is stuck or clogged	Replace or clean the floating ball
Water leakage	Inlet	Loose or improperly installed	Tighten or reinstall
	Inlet or drain	Water leakage due to rupture	Change

2) Low ice production

Fault phenomenon	**Inspection items**	**Possible causes**	**Solutions**
Ice making time is too long	Water pressure of water supply	The water pressure is too low, and the water supply time is too long each time	Increase water pressure
	Water temperature	Water temperature too high	Lower water temperature
	Ambient temperature	The ambient temperature is too high or too low	Place at an appropriate temperature
	Refrigerant	The refrigerant leaks	Contact after-sales service personnel
Little or thin ice	Condenser	Excessive dust accumulation in the condenser leads to poor air intake, high condensation temperature, and long ice making time	Clean condenser
	Filter screen	The filter screen is blocked, causing poor water flow	Clean or replace the filter screen
	Water pump	Poor water flow due to water pump failure	Replace water pump
	Ambient temperature	Ambient temperature too high	Place at a lower temperature
	Air inlet	Poor air intake leads to high condensation temperature and long ice making time	Leave a space of at least 15 cm on the left, right and rear sides

Circuit Diagram