Commercial Ice Maker
Instructional Manual

For your safety and proper use this product, please read the instructional manual carefully before use.

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Important safety tips

The machine must be properly installed according to the installation procedure before use.

Do not place the power cord on a carpet or other heat source. Also do not place the power cord in a moving area of a person or thing， or do not immerse the power cord in water. It is not recommended to use extended cord to avoid the risk of overheating or fire.
If the power cord is damaged, it must be replaced by a manufacturer or an agent or a person with similar qualifications.

When the machine is not in use, the plug must be removed
Before cleaning or servicing the machine, unplug the plug or disconnect the mains.
Note: If the machine needs repair, it is strongly recommended to operate by a professional.
Never pull the plug out of the socket by power cord, you must hold the plug by hand and then pull out the plug out of the socket along the straight line.

Do not use ice maker outdoors. When use in doors, to avoid the sunshine directly to the machine, and also ensure that the back and the two sides of the machine at least 15cm distance between walls.

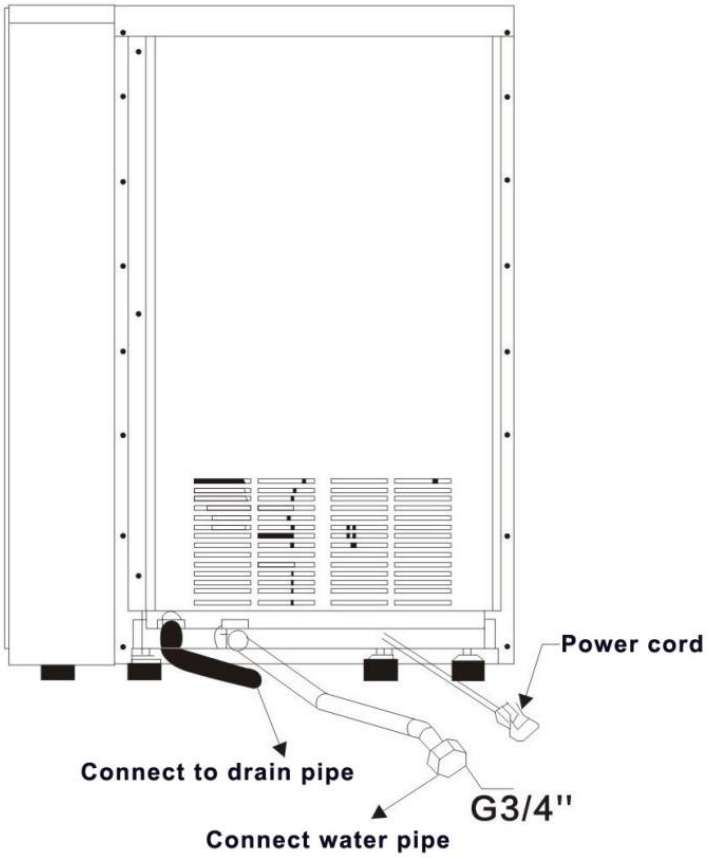
Please do not make the machine overturned, otherwise it will make the machine have abnormal noise and make the ice block size abnormal, more serious may lead to water leakage.
If the machine just moves in room from outdoors in the winter, please wait for a while to rise the machine temperature, and then power on it.

WARNING: The machine must be grounded and used a 220-240V / 60Hz power supply.

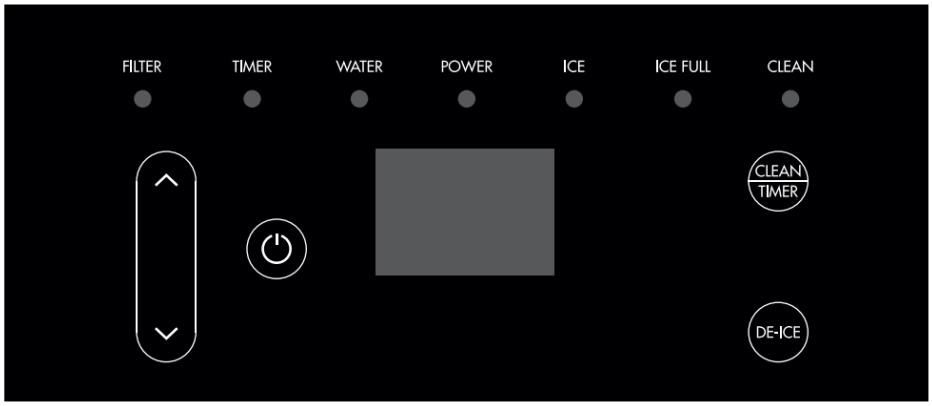
Installation of ice maker

Installation of the standard configuration

Usually, there is equipped with a water inlet pipe and a corrugated drain pipe as a standard configuration in the unit. The standard configuration of the machine installation and connection diagram is as follows



Operation interface description



Power On/Off Key

In the standby mode, press the key to enter the ice making mode. Press this key while the machine is running, the machine will stop running and enter the standby mode.

Press it 3 seconds, the blue light will be off.

"+" And "-" Keys

Adjust the ice making time and the reservation time of power on/off, are displayed through the digital block. **Note: in the ice making mode, the digital block numbers which is always light, it displays as ambient temperature; the digital block numbers which is flashing, it displays as the time**

(minutes) of the ice make finishing countdown, The reservation switch displays as the reservation time of power on/off.

Cleaning / Reservation Key

In the standby mode, press the Cleaning / Reservation Key, then press the “+” and “-” keys to set the reservation time of power on; In the power on mode, press the Cleaning / Reservation Keys, then press the “+” and “-” keys to set the reservation time of power off; In the standby on mode, press this key for 3 seconds, the machine will enter cleaning mode.

Forced deicing / blue light key

In the ice making mode, press this key to enter deicing in advance. In the ice making mode, press this key for 3seconds,the blue light will turn off.

Installation instruction

Note: The machine must be installed by a professional person according to the instructional manual.

Open the package

WARNING: Do not give foam and other packaging materials to your children as a toy, which may cause danger to them.

Note: Please remove all packages before power on it, otherwise the machine may not work properly.

a) Remove the packaging to check the machine is intact;

b) Tear off the tape of the ice shovel;

c) Remove the packing accessories and check for the following parts:

Water Inlet pipe (PP pipe)	1	Instructional Manual	1
Plastic ice spoon	1	Packing bag	1

Installation location

a) The machine cannot be used at outdoors, please use according to the specified water temperature and ambient temperature range.

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

c) The machine should be placed on a stable and horizontal base or ground.

d) The left and right sides and the rear must be at least 15 cm apart to maintain good air intake and to be easy of maintenance.

e) Do not place anything on top of the ice maker.

Setting up

Improper installation may cause injury to people or objects.

Keep the ice maker in a even location and the power cord can be plugged directly into the socket.

Electrical connection

Warning: The machine must be electrical grounding.

a) Must have to provide 220-240V / 60Hz power supply or socket, power or socket to be reliable grounding.

b) The fuse current of the electrical box should be greater than **10A**, if it needs to be repaired, it must be done by a professional.

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

Water supply and drainage connection

Only drinking water can be used on the ice maker.

Water supply pressure should be 1-8BAR, if the pressure is greater than 8BAR, needs to take a pressure relief valve.

Because it is drain through the water's own weight, so the drain pipe should have enough height or drop.

1) Connect the right angle connector of the external inlet pipe to the G3/4 connector on the rear cover and ensure that the rubber seal is in the correct position and tighten the joint by hand to ensure no water leakage.

2) Connect the other end of the external inlet pipe to the faucet.

3) Connect the other end of the drain pipe (corrugated pipe) to the drain of the room. Should ensure that the machine's outlet higher than the room outlet.

Operating instruction

Warning:

1. The ice maker is used to make and store ice, in order to ensure the health of ice, please follow the following principles:
   Please wash your hands before remove the ice, use the plastic ice spoon to take ice.
   In addition to ice, please do not put any other things in the ice storage bin.
   Clean the ice storage bin before use.
   Keep the spoon clean and clean it with a neutral detergent.
   After take the ice, please close the door to avoid dust.
2. The use of any electrical appliances must follow the basic guidelines, particularly:
   High humidity environment will increase the risk of short circuit or electric shock, if in doubt, please cut off the ice maker power.
   Please do not pull down the power cord directly to shut down the machine.
   No adult supervision, the ice maker cannot be used by children or the elderly alone.

Operation

Normally the installer is authorized to start the automatic ice making program. In order to smooth the ice making process, the following points must be confirmed:

a) the faucet is open;

b) the drain outlet has access to the room outlet;

c) the ice maker has access to the power supply;

d) The power switch is in the on position.

Preparation of long-term preservation of ice maker

a) ensure that the power switch is in the off position;

b) unplug the power plug or disconnect the power supply;

c) close the faucet and remove the inlet pipe;

d) remove all ice, drain the water in the ice storage bin and the water tank;

e) Clean and dry the inner wall of the ice storage bin and the water tank.

Ice maker cleaning and maintenance

Internal and external parts cleaning

Open the front lid and pour some detergent into the water pond. In the standby mode, press the “cleaning” key 3 seconds, the unit will begin to self-clean. Water pump will pump the mild detergent water into spraying water pipe. The evaporator is cleaned by the flowing mild detergent half an hour. After finished cleaning, unpin the rubber plug in the water pond to drain away the sewage into ice bin. The sewage will be flowed out off the ice machine by drain pipe.

CAUTION: Unplug the power cord before performing any cleaning or maintenance procedures.

After-sales service person check and clean the condenser at least once a year to make the ice maker work better.

Do not use alcohol clean ice maker, which may cause plastic parts to crack.

a) Peripherals

Use a clean, soft cloth to wipe the periphery of the ice maker at least once a week and then use a damp cloth dampened with a mild detergent to erase grease or other impurities.

b) Ice spoon cleaning (weekly)

Put the ice spoon into the mixture of neutral detergent and water for at least 3 minutes, then rinse and dry

CAUTION: Drying with a cloth may cause contamination again.

c) Ice storage bin cleaning (weekly)

Open the ice maker door and remove all the ice cubes.

Use a mild detergent to clean the inner wall of the ice storage bin and rinse with water.

Wipe the inner wall with a cloth dampened with a mild detergent, rinse with water, and finally wipe the inner surface with another piece of clean cloth.

Inlet valve cleaning

a) Unplug the power plug or disconnect the power supply and turn off the faucet.
b) Unscrew the inlet pipe and water valve connections;
c) Gently pull out the filter on the inlet valve by hand;
d) Brush the filter with a brush and rinse with water;
e) Put the filter back into the water valve, then connect the inlet pipe, open the faucet and check for water leakage;

Troubleshooting

Do not make ice

Faults	Inspection	Reason	Solution
Ice maker is unable to start	Power switch	In the off position	Press on/off key
	Power cord	Not plug into the socket	Plug into the socket
	Control panel fuse	Fold or damage	check and replace
	Ice storage bin	The ice is full and the ice is pressed against the leaves of evaporator	Remove the ice or remove the ice from the leaves of evaporator
		If without the above reason, it is proximity switch fault	Replace proximity switch
	Power supply	No electricity or voltage is too low	Contact the power supply department
	Faucet	No water or water pressure is too low	Increase water pressure
	Inlet valve	The filter is clogged or the water valve is bad	Clean the filter or replace the inlet valve
Compressor is unable to start or stop abruptly	Power supply	voltage is too low	Contact the power supply department
	Air inlet	The air inlet is blocked	The left and right sides and the rear for at least 15 cm spacing
	Condenser	Too much dust	Clean the condenser
	Refrigerating system	Refrigerating system leakage	Contact after-sales service personnel
	Compressor	The connection cable is broken or fall off	Contact after-sales service personnel
The water keep flowing into the water tank	Inlet valve	Inlet valve internal leakage	Replace inlet valve
	Water level sensor	Water level detection is not sensitive	Contact after-sales service person
Leakage	Water inlet	Loose or not in place	Tighten or reinstall
	Inlet pipe or drain pipe	There is a rupture that causes a leak	Replace

Low ice capacity

Faults	Inspection	Reason	Solution
Ice making time is too long	Water supply pressure	Water pressure is too low, water supply time is too long every time	Increase water pressure
	Water temperature	Water temperature is too high	Reduce water temperature
	Ambient temperature	Ambient temperature is too high or too low	Place the machine in a appropriate temperature
	Refrigerant	Refrigerant leakage	Contact after-sales service personnel
	Inlet valve	Leakage makes the cooling time long	Replace the inlet valve
Less or thin ice cubes	Condenser	Excessive fouling of the condenser results in poor air intake, high condensation temperature, and long ice making time	Clean the condenser
	Filter	The filter is clogged, causing poor water flow	Clean or replace the filter
	Water pump	Pump failure caused poor water flow	Replace the water pump
	Ambient temperature	Ambient temperature is too high	Place the machine in a appropriate temperature
	Air inlet	Poor air pressure leads to high condensation temperatures and long ice making times	The left and right sides and the rear for at least 15 cm spacing