
FLAKE ICE MAKER

Product instructions

FPS-PB200 FPS-PB300 FPS-PB500 FPS-PB800 FPS-PB1000

*Please read this manual carefully before using the product

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Ice Maker Introduction

1. Our company's ice maker adopts advanced technology and technique method, and the strict and comprehensive quality.
2. The core component of the ice maker is compressor which adopts the world famous brand, such as Embraco, SECOP. Together with the reasonable configuration of the refrigeration system, makes the performance of the ice maker more reliable and the energy consumption lower.
3. Food grade 304 stainless steel shell, elegant and durable, corrosion resistant, easy to clean.
4. The refrigerating capacity of water-cooling type ice maker is stable, it is not affected by ambient temperature. It can make ice leisurely with enough output in hot summer.
5. Advanced industrial microcomputer control system can make ice making and ice collecting process automatically. It has many kinds of protection functions which makes the ice maker convenient and safe to use.
6. Our company's products have passed ISO9001-2015, CE, RoHS certificates.

Receiving And Checking

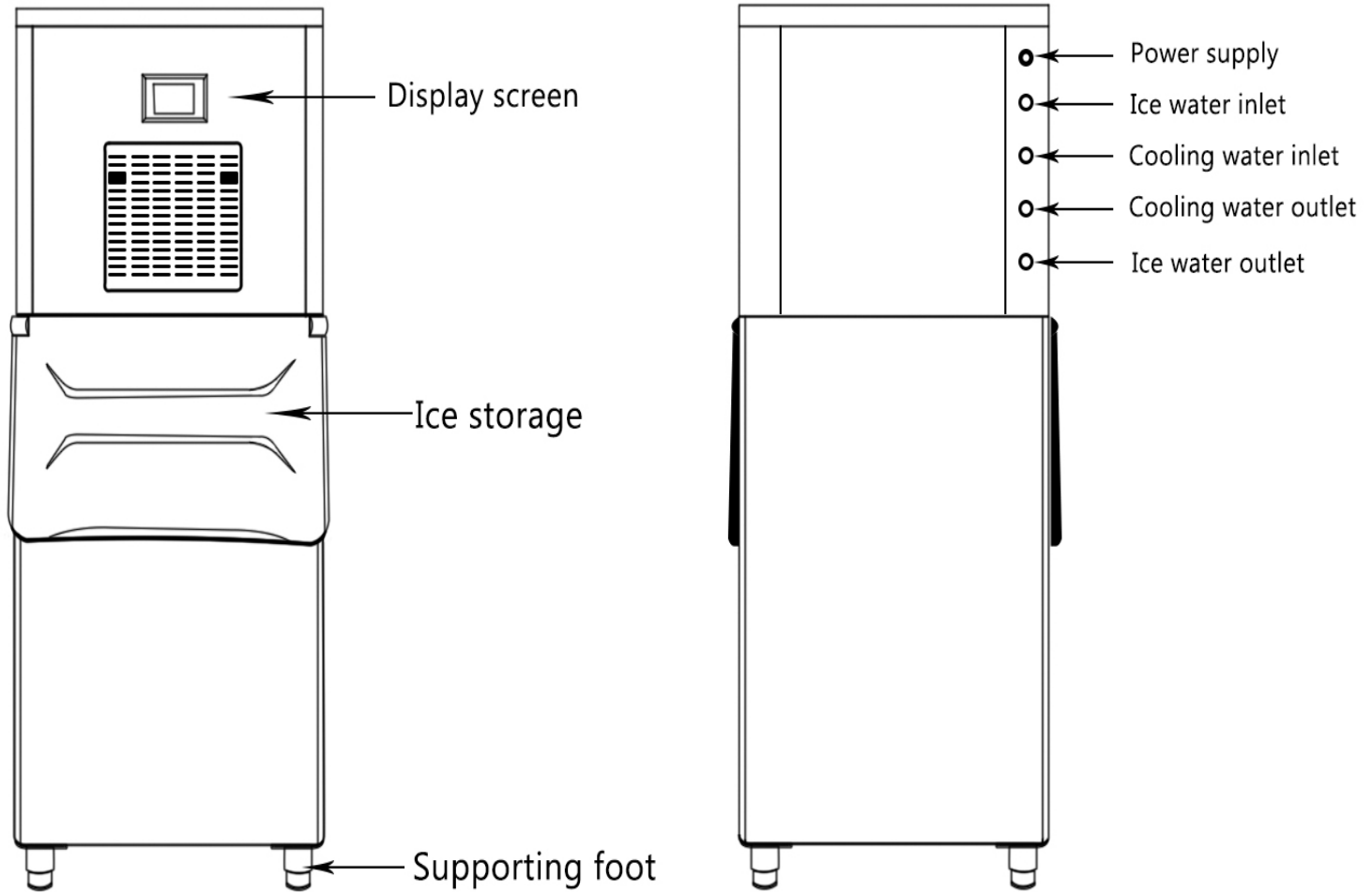
Thank you for selecting our company's automatic ice maker. In order to protect your legitimate rights and interests, please pay attention to the following things when receiving and checking the machine:

1. The outer packing of the machine is intact.
2. Machine's model is consistent with your purchased.
3. The appearance of the machine is in good condition.
4. The attached parts are complete.
5. The internal components of the machine are in good condition.

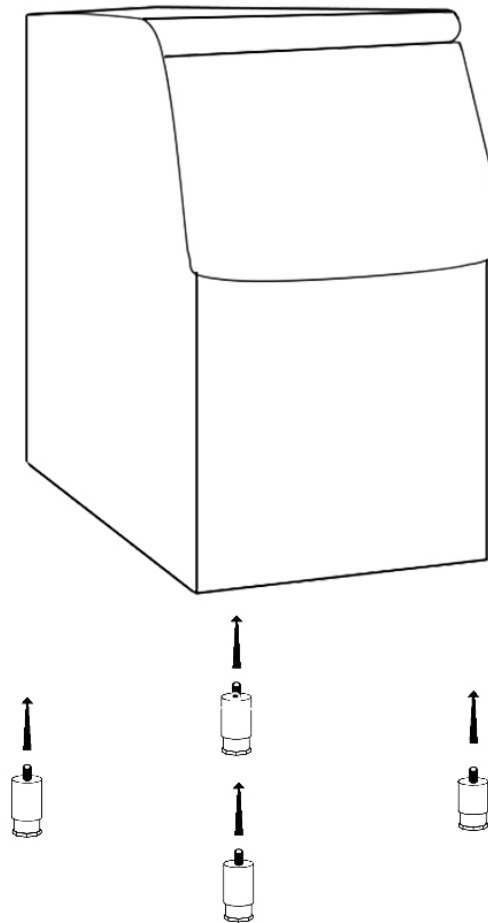


In the process of transportation, due to improper stacking or handling, the lubricating oil in the compressor will flow into the refrigeration pipeline, resulting in a serious lack of oil for the compressor. Once the electricity is switched on, the compressor will be burned in a short time. Therefore, we strongly suggest that after the customer receives our machine, place the machine in the right position for a day, so that the lubricating oil can flow back to the compressor, then install and use the machine.

Ice Maker Exterior Structure and Interface Names



Foot Installation and Foot Placement

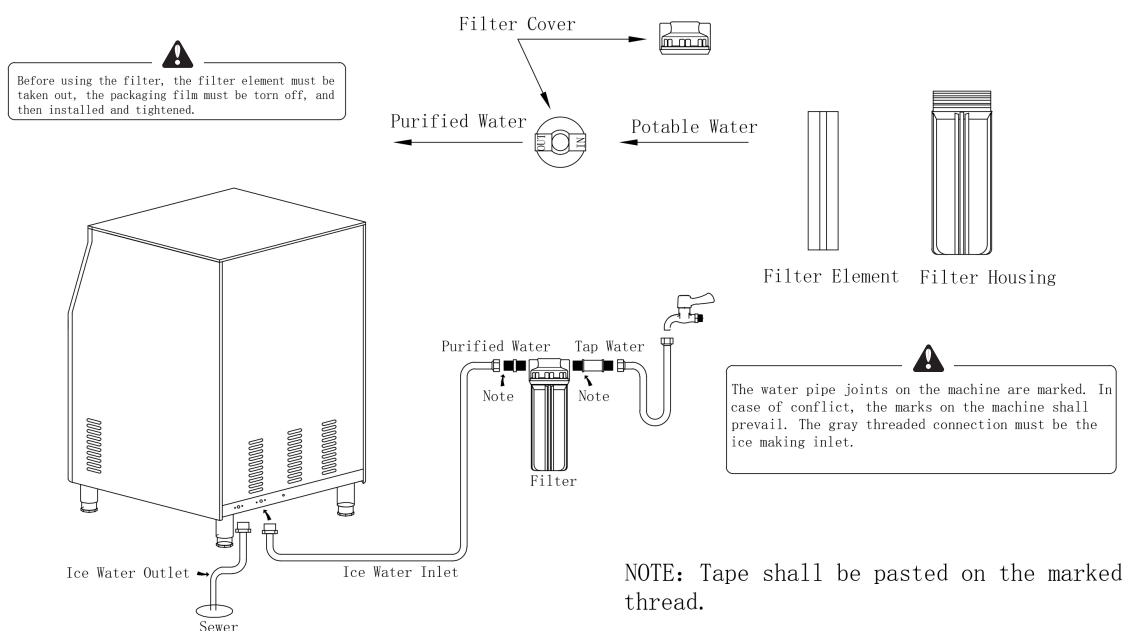


1. Screw the feet of the ice maker to the baseplate.
2. Each foot must be screwed up and tightened so as not to bend.
3. Put the ice maker in a sturdy and flat position.
4. Adjust the height of the foot to make the ice maker level.
5. The ice maker is not suitable for use outdoors. The normal using ambient temperature is between 10-38 degrees centigrade, and the water temperature is between 5-30 degrees. Our maximum ice production temperature is: ambient temperature: 21 degrees, water temperature 10 degrees centigrade. High temperature will seriously reduce the amount of ice production. We suggest that the client put the ice maker in a room with cold air.
6. Ice making machine should not be installed in the environment without sewer and water seepage, and it is strictly prohibited from high temperature equipment.
7. Air-cooled ice making machines (such as refrigerators, ovens, etc.) rely on air circulation to dissipate heat. So it is necessary to keep the space above 15cm to benefit the heat dissipation.

Installation of Water Supply

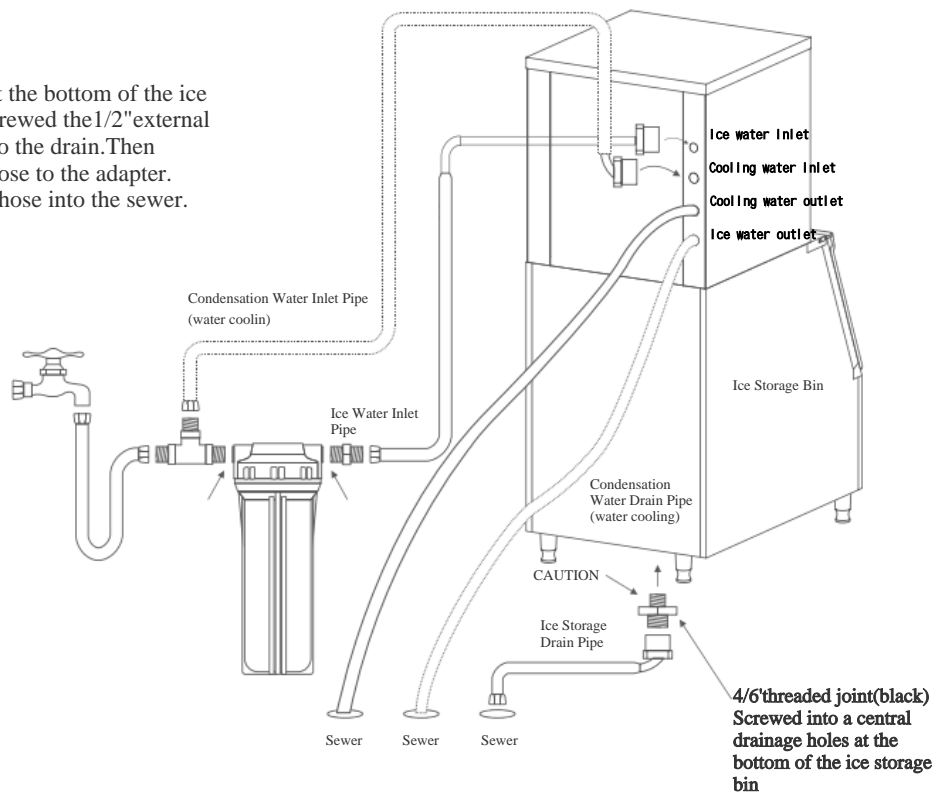
1. The ice maker must use drinkable normal atmospheric temperature filtered water.
2. Water pressure of water supply must be controlled between 0.15~3MPa, if over pressure pressure reducing valve need to be installed. Don't make the water inlet hose be squeezed.
3. The two ends of the water inlet hose are 3 / 4 " internal thread (20mm) and 1 / 2 " internal thread (15mm) joints with silicone seal washers, so no need to wind tape.
4. The water filter is equipped with a filter element, unscrewing it with a filter wrench before using the water filter. Take out the filter element, tearing up the packaging film of filter element, putting it back as it used to be and screwing up it. Changing the filter element every half year in the process of use.
5. Please notice that the filter cover has the water inlet and the water outlet direction marks.
6. Connecting the joint of 3/4 "with the water inlet of the machine (white 3/4" outer thread), and connect the joint of 1/2 "with water supply pipe.
7. Water-cooled ice maker, added one inlet and one outlet joints of 3/4" external thread pipe, the black color distinguishes them from the water intake of making ice.
8. The ice maker is drained by gravity. Therefore, it is necessary to ensure that the drainage pipe has sufficient slope and drop.

Installation Diagram of Integrated Air Cooling Machine



NOTE:

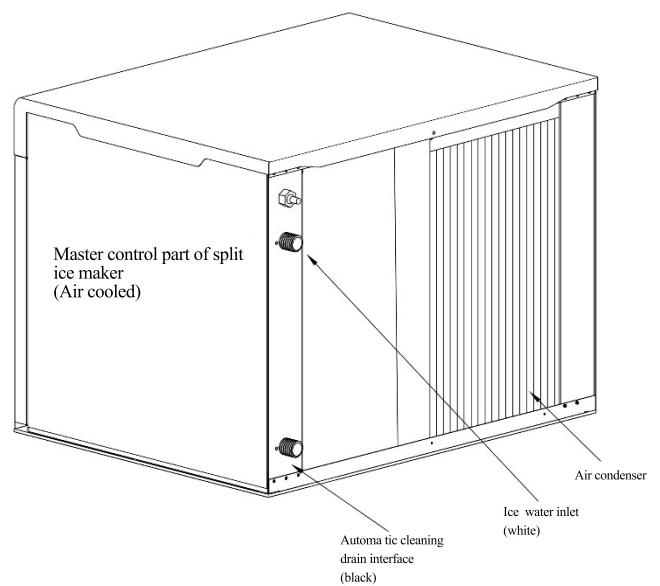
There is a drain at the bottom of the ice storage bucket. Screwed the 1/2" external thread adapter into the drain. Then connect the 3/4" hose to the adapter. Finally, guide the hose into the sewer.



The condenser drain pipe has pressure and cannot be connected with other drains to prevent the case from flowing into the machine and must be inserted into the sewer independently.

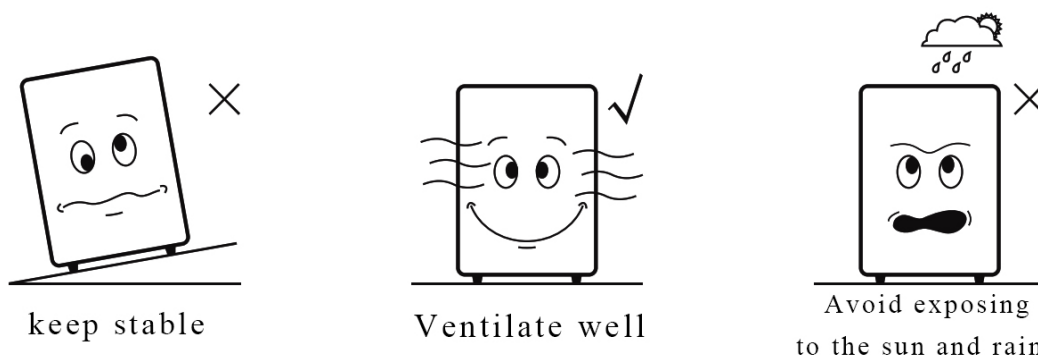


The unipolar filter presented by our company cannot meet the drinking water standard. Please buy and replace it on your own!



Routine Cautions

1. When transportation and mobile location, the ice machine tilt shall not exceed 45 degrees.
2. Ice machine, please use independent water source, and check regularly to prevent water pressure is too low, fluctuations or filter clogging.
3. Do not store any sundries in the ice storage room, or freeze any food in the ice storage room and keep the ice shovel clean.
4. Switch the ice storage bucket plastic door, should be light open and light closed, don't beat box door, after taking the ice, please turn off the sliding door of the ice storage bucket.
5. Ice machine should be far away from the heat source. It is strictly prohibited to use in high temperature or low temperature environment. It is necessary to avoid direct sunlight in order to avoid affecting the heat dissipation of the machine.
6. It is forbidden to wash the surface of ice machine directly 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 stopped for a long time, it should be electrified every two months for four to six hours.



Electrical Safety Matters

1. Plug and pull plug is strictly prohibited when wet, the plug must be unplugged before maintenance and cleaning work.
2. Must ensure that the socket is equipped with grounding wire, and safe grounding.
3. The electrical control system has more than 36V voltage, the use of not free to open and touch. If necessary, please contact the manufacturer or qualified professional and technical personnel.
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 can meet the requirements. Please use special power outlet and fuse if necessary.
5. When the ice machine is stopped, the power plug should be unplugged or cut off the power supply.

LCD Control Panel Operating Manual



START&STOP //SETTING // INCREASE //DECREASE // APPOINTMENT

Technical parameters	Electrical parameters
Operation Panel: ABS plastic shell	Input voltage: AC220V
Key type: Touch the button	Press load: P< 1500W
Display type: the LCD screen	Press load: P< 1500W
Installation size: 131 * 81mm	Press load: P< 1500W

Setting

Enter the setting: in the shutdown state, long press "Settings" for 3 seconds to enter the setting item.

Adjust Settings: In setup mode, press Add or Reduce to modify the settings.

Exit setting: In the setting mode, long press "Settings" for 3 seconds to exit the setting, or automatically exit for 10 seconds to save the data.

Parameter setting

No	Functional description	Options range	Default	Remar
1	Power on time- delay	1-20Minutes	1Minute	
2	Power off time-delay	1-20Minutes	1Minute	
3	Compression protects current	0.1-25.0A	10A	
4	Motor protects current	0.1-25.0A	2.5A	
5	Valve definition	OFF/VALV/PUMP	PUMP	setting "PUMP", start and stop with the pump setting " VALV ", the press works for 30 seconds before starting
6	High and low voltage detection settings	ON-Detection high and low pressure HPON-Detection high pressure LPON-Detection low pressure OFF-No detection	ON-Turn on all	The low pressure detection turns on 10 minutes after after the press is started.

State description

1.Power on state: power on the default shutdown state, display OFF

2.Power off state: when ice making state, short press "start and stop" key, start the countdown, the countdown to the power off state.

3.Ice making state: when power off state, short press the "Start and stop" key to start the countdown and enter the ice making state.

4.Appointment function: regular power off function, time ends into power off state

5.Start appointment: when working state, click "Appointment" to start the appointment function, and the appointment icon lights up, close the appointment: click again, close the appointment, and turn the appointment icon off.

6.Appointment time setting: When working mode, click the "Settings" key to enter the time appointment setting.Press Add or subtract settings for 1 minute-10 hours; click Settings again to exit or automatically exit for 5 seconds.

7.Ice state: photoelectric detection of ice, the display screen ice icon flash, lasted for 30 seconds to confirm the ice execution shutdown process, into the ice state, the ice icon lit.

8.Ice release release state: if the ice is not full, the display screen is full of ice icon to flash for seconds, exit the ice release state for 3 minutes, and start the ice making process;

9.Compressor, motor overload-detect the compressor or motor overload, and directly close the compressor or motor.

Fault status:

1.Compressor, motor overload-detect the compressor or motor overload, and directly close the compressor or motor.

2.High voltage and low voltage fault-When the high voltage switch is disconnected for 5s, enter the fault state, and the display screen shows the high voltage fault . (This feature can be enabled or disabled in the setting parameters).

3.Low voltage protection-each voltage to start the low voltage detection function.

4.High temperature fault-the condensation probe is installed on the main board and the probe is under normal circumstances, the evaporation temperature is greater than 75 degrees, triggering the high temperature protection, and the display screen lights up the fault icon.

5.Water level detection — When the water level sensor detects the water shortage, the display icon "Water shortage protection" confirms no water for 30s and the display shows water shortage failure; when detected, the display icon "Water shortage protection" flashes for 30 water for 30s.

Condensation temperature view:

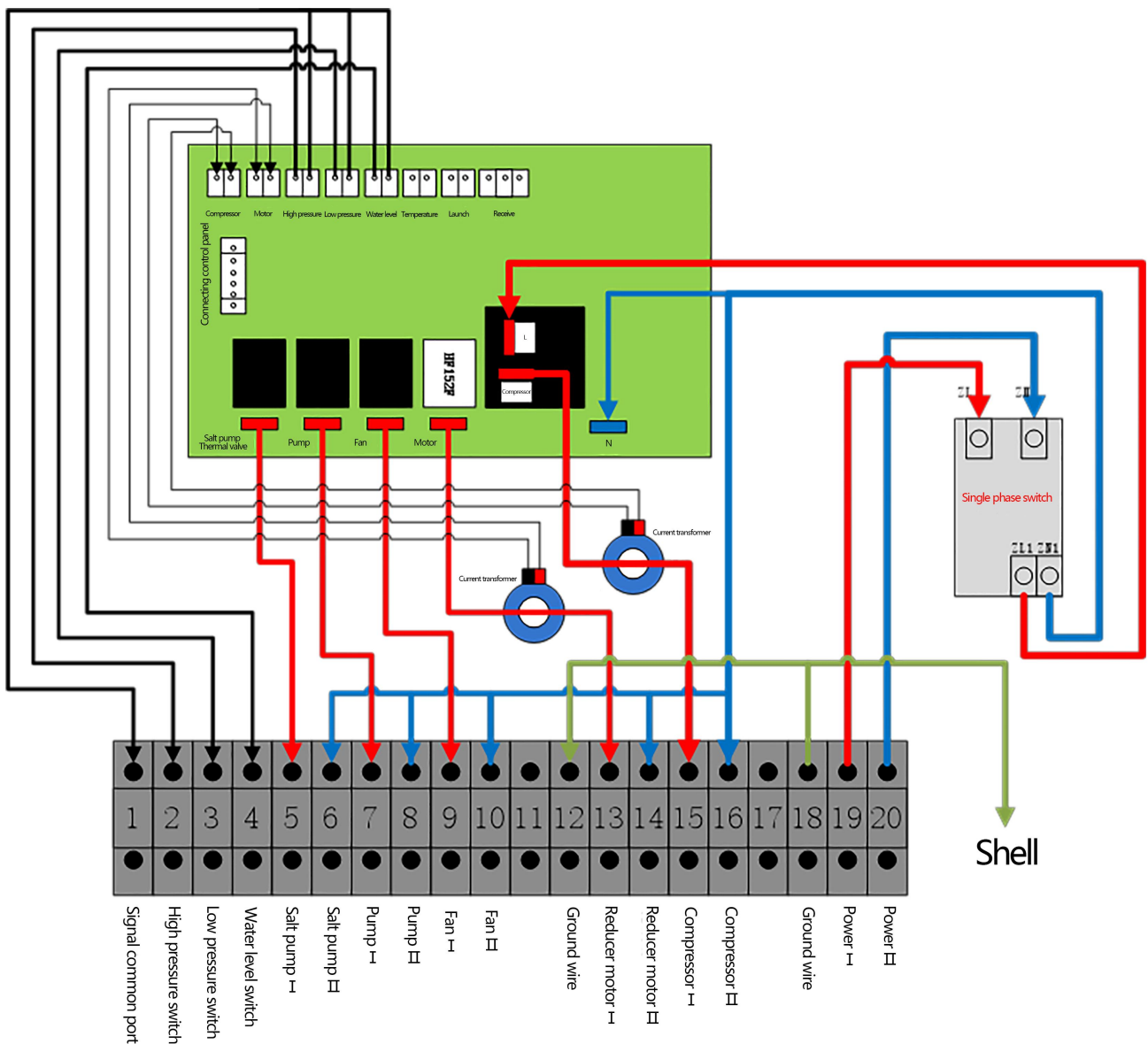
In the working state, click the "Increase" or "Reduce" button to display the condensation temperature, and click the exit again, or then automatically exit after 10 seconds.

stringent state:

Note: When the iced photoelectric switch is invalid, long press the "reservation" button for 3 seconds to enter the emergency ice making state. This state will block the icing detection, and automatically turn on the timing shutdown function (this state cannot turn off the reservation shutdown function, and the reservation time can be set).

The first time on the water tank no water, water shortage protection light on, fill up the water light out, press the start and stop start;

The compression current is shown on the left , and motor current on the right.



Maintenance

In order to improve the reliability and service life of the ice maker, and to avoid the increase of the energy consumption coefficient of the ice production, the maintenance and maintenance should be carried out according to the requirements of this manual.

1. Often clean the environment around the ice maker to keep clean, do not plug the ice machine in the case of ventilation shutters.
2. Cleaning of the shell can be cleaned with a neutral cleaning agent, and then wipe clean with a rag which is made of soft material. Commercial stainless steel cleanser and polishing agent can be used when necessary.
3. Filter element should be checked regularly. Most of the ordinary filter element is replaced in half a year, and the senior core should be replaced on time according to the description.
4. Water pipes can be washed directly when the water tank and the ice storage barrel are cleaned. Do not let water pressure is too large, do not directly flush the water pump and the above part of the ice, to prevent the leaching circuit part.
5. Air-cooled ice machine condenser maintenance: three months to clean an air-cooled condenser. A vacuum cleaner with a soft brush or a brush is arranged in the direction of the fin to avoid the damage of the fin to affect the refrigerating efficiency.
6. Maintenance of the wintering: in addition to turning off the water source and power supply, the water tank of the ice machine is also needed, residual water in the inlet and drain pipes.



Any maintenance of the ice machine is not within the manufacture's warranty.



If the scale of the ice machine is serious, or the waterway is blocked, please call the after-sale service telephone. There will be a charge for door-to-door service.



Before cleaning and maintenance work, be sure to turn off the water and power, pull out the plug.



The wind condenser fin edge is sharp, please be careful when cleaning.



The filter cartridge should be replaced periodically.

Before calling for service

If the ice maker is abnormal, please confirm the following contents before making a phone call:

1. Is the water source supply of the ice maker normal? The method of inspection is to loosen the ice water inlet (6" joints) behind the machine, when loosening to a certain extent, the water will leak out. The water source supply will be normal when the water is exuded for a long time, otherwise, there is no water.
2. Whether the ice maker has been connected to the power supply or not? The ice maker produced by our company is fully automatic without manual operation. You just need to connect the power supply and open the red switch on side of the back of the ice maker. Please let the person who understand the electricity to check whether the ice maker is electrified, focus on checking the plug base.
3. Model and series No. of our ice maker. There is model and series No. nameplate on the side panel of the machine.



Failure due to user's reasons (such as no water supply, no electricity supply, environmental factors, etc.) Door-to-door service charges will be charged.



When checking the water source, do not completely unscrew the ice making inlet interface to prevent high pressure water jetting.



Plastic parts of the ice maker do not belong to the scope of warranty.