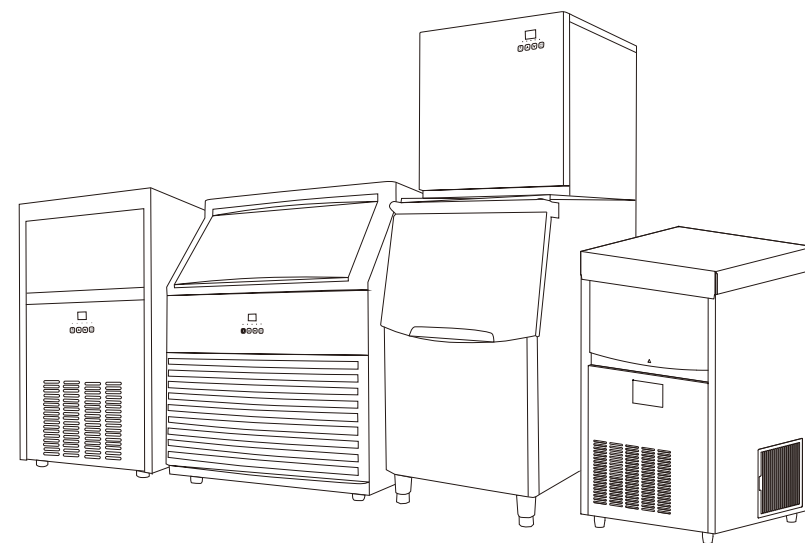




Commercial ice machine



We reserve the right to upgrade our products without prior notice.
If you have any questions, please consult the purchasing office.

Installation operation and use guide

Please read the instructions carefully before you use the machine, and keep the instructions for later use.

Catalog

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Warranty Card

Schedule 1

Product model:		Date of purchase:	
User name:		Telephone number:	
Contact address:			
Fault brief:			

Inspection Certificate

Schedule 2 Inspection certificate

















This product has passed the inspection and is allowed to leave the factory.

Product name:	Product number:
_____	_____
Production code:	Production Date:
_____	_____
Inspectors:	Test result:
_____	_____

When repair service is required, please fill out the attached form carefully and mail it with the machine.

Precautions for safe operation

Just received the goods, it is necessary to put the compressor in a stable state for 24 hours, otherwise it is easy to damage the compressor.

-  Do not use this ice maker in the open air. When the ice maker is wet by rain, it may cause electric leakage or electric shock.
-  Please use the power supply consistent with the nameplate identification of the machine body, and install the grounding device to ensure the reliable grounding of the machine.
-  Please place the product on a stable ground for use to avoid personal injury caused by toppling and falling.
-  Please do not use this product for other purposes. Our company is not responsible for the consequences caused by the operation not in accordance with the instructions.
-  It is forbidden to use the product outdoors, so as to avoid electric shock caused by electric leakage caused by rain.
-  It is forbidden to ground the product through gas pipe, water main, telephone line or lightning rod.
-  It is forbidden to immerse the product in water or wash it with jet water to avoid leakage accident.
-  The high-speed rotating fan of the internal unit may cause personal injury, so it is forbidden to reach in during operation.
-  Explosives should not be stored in utensils, such as combustion supporting sprays.
-  This manual is not applicable to people (including children) with physical, sensory or intellectual defects, or with lack of experience and knowledge.
-  If the power cord is damaged, it must be replaced by professional personnel, and YZW type high temperature resistant and oil corrosion resistant sheath cord shall be used.
-  Do not insert metal materials such as wires into the ventilation holes, passage holes or exhaust ports of the ice machine. Avoid electric shock or personal injury due to the accidental operation of moving parts.
-  It is forbidden to use it in damp or easily wetted places, so as to avoid the risk of electric shock caused by short circuit.
-  When the ice maker fails, unplug the power plug. It may cause electric shock or fire if it continues to operate abnormally.
-  Non technical personnel are not allowed to disassemble or repair the product.
-  Please use socket with grounding to prevent electric shock. If there is no grounding socket, the professional technician must assemble the grounding device, and the socket installed by the ice maker shall be in the position easy to contact.

IMPORTANT

This product is a commercial ice maker and can only be used for household and similar purposes, such as:

- A kitchen area in a shop, office, or other workplace;
- Customers in farms, hotels, motels and residential environments;
- Family hotel environment;
- Catering and similar non retail applications;

This product is not suitable for any other use and may cause danger. The manufacturer shall not be liable for any damage caused by improper use, misuse or improper use.

Environment condition

This ice maker is for indoor use only. The normal working environment temperature should be between 5 °C and 38 °C.

For best performance:

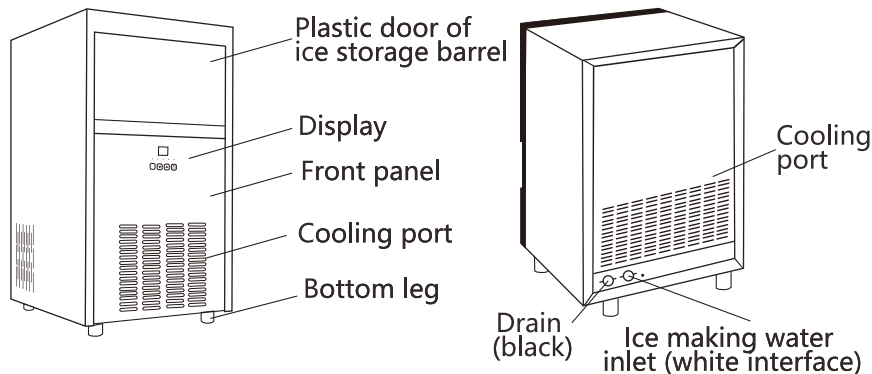
*Do not place the ice maker near the stove, grill or other equipment that will generate high temperature.

*The position shall be firm enough to bear the weight of the equipment.

*Do not expose the machine to direct sunlight or high temperature.

*A gap of at least 5cm shall be left between the air inlet / outlet of the machine and the wall or other equipment to ensure smooth air circulation. There should be enough space in front of the machine to ensure the temperature in the cabinet can be adjusted smoothly. If the ambient temperature may exceed 38 °C, one side of the machine room shall be at least 10cm away from the wall to prevent overload and damage to the refrigeration circuit.

Product structure



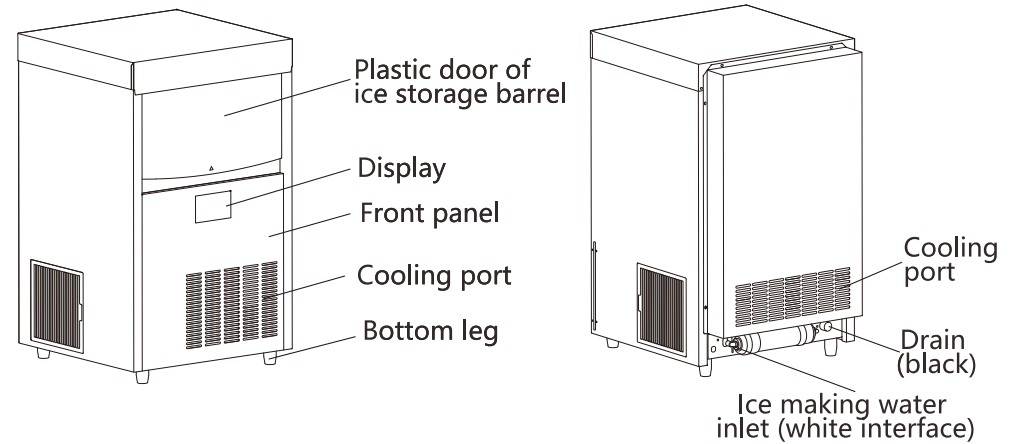
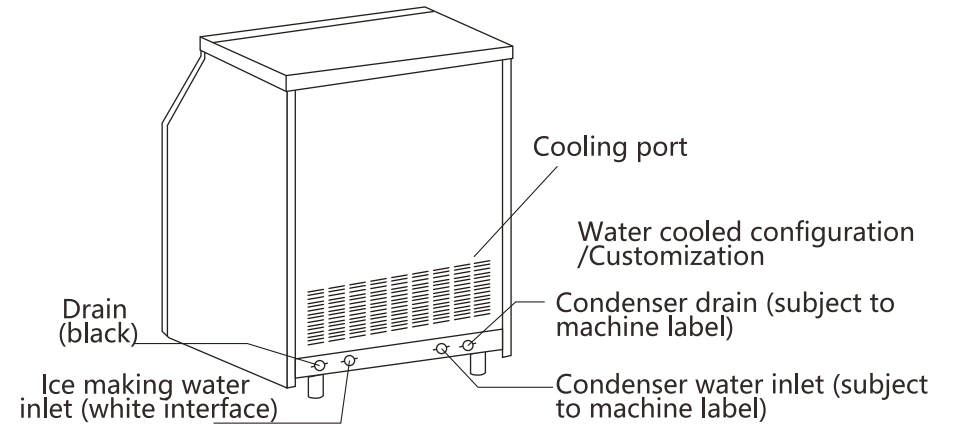
After sales

1. The warranty period of this product is one year.
2. The company's warranty is limited liability and does not bear all joint and several liabilities except for the machine itself.
3. The warranty scope of the company does not include the maintenance and fault caused by daily maintenance, cleaning or installation and use of the product not in accordance with the requirements of this manual.
4. The warranty service shall be completed by the company, the authorized agent or authorized personnel.
5. Other additional product configuration, consumables and wearing parts are not included in the scope of this warranty service.
6. The service of free maintenance cannot be enjoyed when the following behaviors occur:
 - A. Products beyond the warranty period.
 - B. It is not installed, used, cleaned, cleaned, dusted, maintained and kept in accordance with the requirements of the product manual.
 - C. Unauthorized modification and repair, misuse, abuse, wrong adjustment, artificial damage, etc.
 - D. The use environment temperature is too high or too low, which causes damage when exposed to outdoor and humid environment.
 - E. The consumer is unable to provide the product warranty card and valid purchase certificate.
 - F. Damage caused by accident or other force majeure.

Enclosure



Excessive noise	The ice maker is not stable, and its feet are suspended	Place the ice maker smoothly
	Ice machine shell touches other objects	Avoid touching other objects
Condensation water in the shell	Ice bin door not fully closed	Completely close the ice bin door
	Working in high temperature and humidity environment	Normal phenomenon



Installation method

1. Remove the packing wooden box, cut off the transportation strap, remove the cardboard box, and then tear off the plastic protective film wrapped on the machine.
2. Before running the machine, please remove all packages and plastic protective films on the shell, inner tank and top plate. Be careful not to damage the outer panel.
3. First, place the machine in the position selected in advance.
4. Soak the soft cloth in a solution made by mixing cold water or warm water with a proper amount of neutral detergent, take out the soft cloth and wring it dry, and then use the soft cloth to clean the interior of the machine.
5. Raise the level of the ice maker in the left, right and front and back directions. To adjust the height of the machine, turn the adjustable foot adjuster.

Water supply installation:

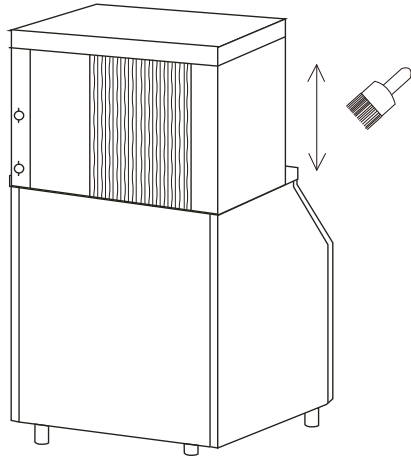
1. Please connect the water inlet pipe to clean drinking water. Water quality has an important impact on the appearance and taste of ice. In order to keep ice clean, please install a high-quality water purification system.
2. The water supply pressure must be controlled between 130kpa and 550kpa. If the overpressure requires the installation of a pressure reducing valve, do not squeeze the water inlet hose.
3. The water inlet hose is a 3 / 4 "internal thread 20mm joint with silicone sealing washer inside. If the joint is not tight enough and there is leakage, please wrap a small amount of raw material tape around the joint.
4. Connect the 3 / 4 "connector to the water purifier or faucet.
5. For the ice maker with water-cooled configuration, two 3 / 4 "joints are added on the machine, one in and one out. Please pay attention to the distinction. Please pay attention to the "cooling water inlet" and "cooling water outlet" signs at the interface.
6. The drainage of ice maker depends on gravity, so it is necessary to ensure that the drainage pipe has enough slope and drop to avoid water accumulation inside the machine.

Troubleshooting

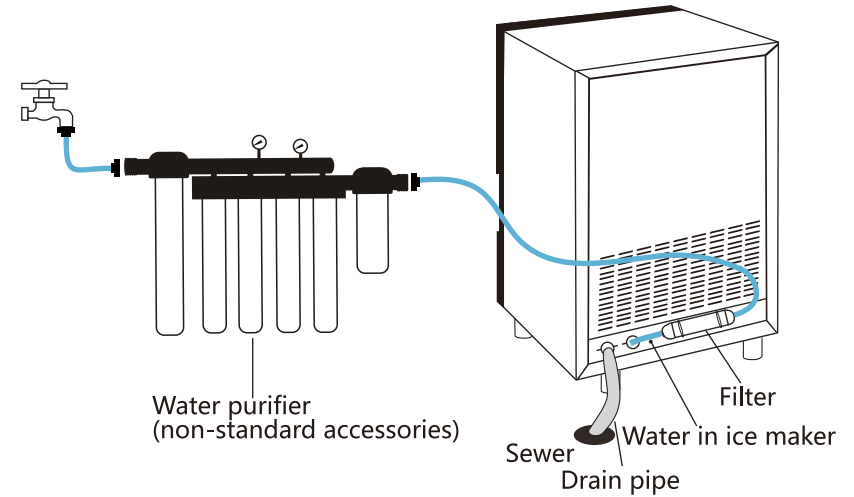
Fault	Possible reasons	Resolvent
A1	Ice tank full of ice	Take out ice and run automatically
E1	Condenser temperature sensor faulty or disconnected	Replace the temperature sensor or connect the wire
..	Water temperature sensor failure	Replace the water temperature sensor
E3	Ice fall switch failure or line disconnection	Replace the ice fall switch or connect the wire
E4	Ice is too thick or too thin	Adjust ice thickness
E5	Water shortage of circulating water tank or sensor failure	Make up water in water box or replace sensor
E6	Compressor temperature too high	Check the heat dissipation
E7	Compressor temperature too high	Check the cooling water switch and water pressure
--	The ice machine is falling	Normal phenomenon
Ice maker does not start	Poor contact of socket	Replacement socket
	The water baffle is not reset	Adjust the water baffle to make it reset freely
The ice maker stops after running	The water source is not open or the connection is not firm	Recheck water source
	Ice maker not horizontal	Adjust the feet and place them horizontally
Significant reduction in ice production	Over temperature shutdown protection	Fold the front panel and clean the condenser
	Not cleaned up for more than two months	Fold the front panel and clean the condenser
	High water temperature (occurs in summer)	Because seasonal climate change is a normal phenomenon
	High ambient temperature	Because seasonal climate change is a normal phenomenon
	Narrow or closed environmental space	Clean up the surrounding sundries to make the air circulate
Poor transparency or incomplete shape of ice	Flume overflow	Check the water inlet valve or water level float
	Improper adjustment of ice thickness	Reset ice thickness
	Water quality in poor	Add filter and replace filter element
	The water tank and ice grid of ice maker are too dirty	Clean the ice maker and replace the filter element
	Uneven water flow over ice lattice	The diverter pipe is blocked and needs cleaning, or the machine is not placed horizontally
	There is too much water running over the ice lattice	Tighten the silicon rubber pipe of water pump and throttle

Cleaning instructions for radiator of split ice maker (air cooling)

1. Shut down and unplug the power plug.
2. Use a soft brush along the texture direction of the heat sink, and gently brush up and down to remove the dust on the surface. Do not use rags or other hard objects to avoid deformation of the heat sink.

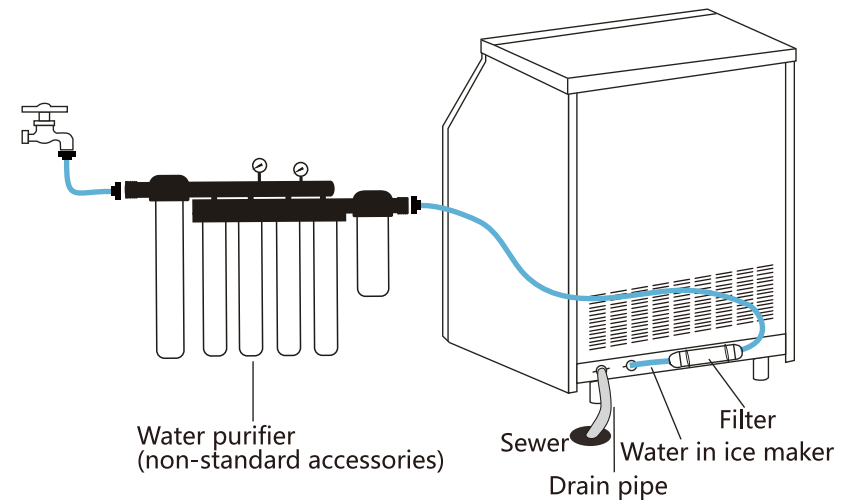
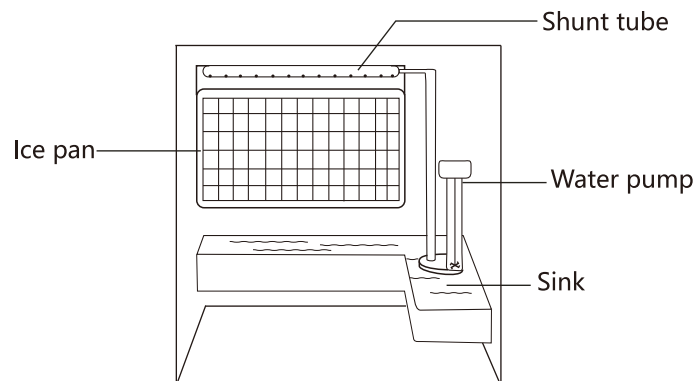


Installation of integrated machine



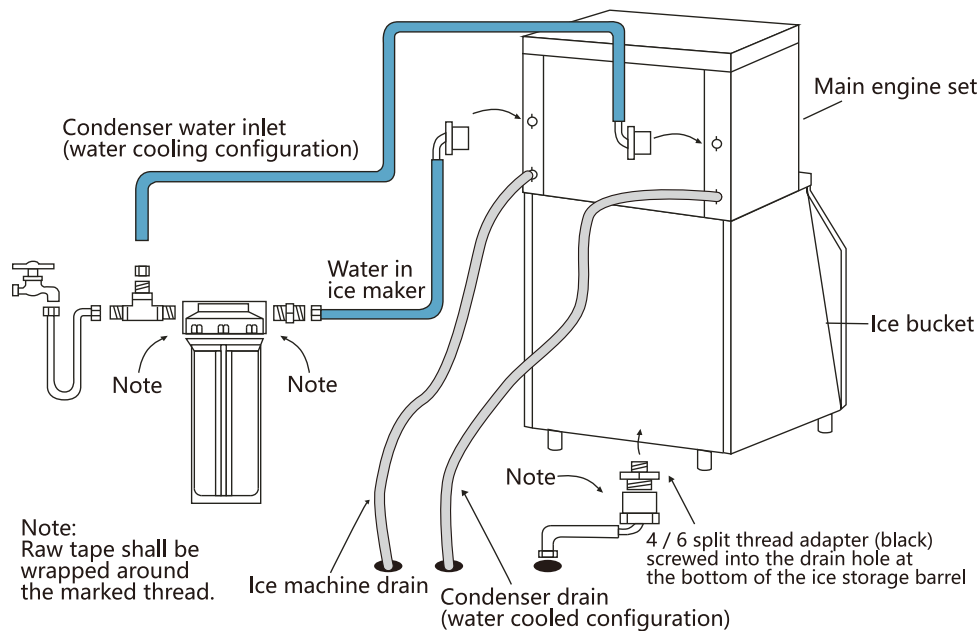
Ice maker deep cleaning instructions

1. Shut down and unplug the power plug, and turn off the water source.
 2. Use a clean and soft cloth to wipe away the dirt and scale from the water tank, ice storage barrel and ice plate.
 3. Use a rag to dry the water in the sink.
 4. Pour proper amount of water into the sink and wipe it clean.
 5. Repeat several times until the sink and ice bucket are clean.
 6. Turn on the water source and plug in the power plug.
- (it is recommended to conduct deep cleaning at least once a month)



Installation of split machine: (water-cooled)

1. For the installation of the split unit, attention should be paid to the fact that there are more cooling water inlets and cooling water outlets in the water-cooled type. Please pay attention to the label mark at the interface to distinguish.
2. There is a drain on the back of the ice storage barrel. First screw the 4 / 6 external thread adapter in the accessories into the hole at the bottom of the ice storage barrel, then connect it with the 4 / 6 hose, and finally export it to the sewer.
3. The main unit and ice storage barrel shall be aligned up and down, and then the machine shall be started for use, so as to avoid tilt or movement caused by careless touch.



Installation diagram of split ice maker (water cooling)

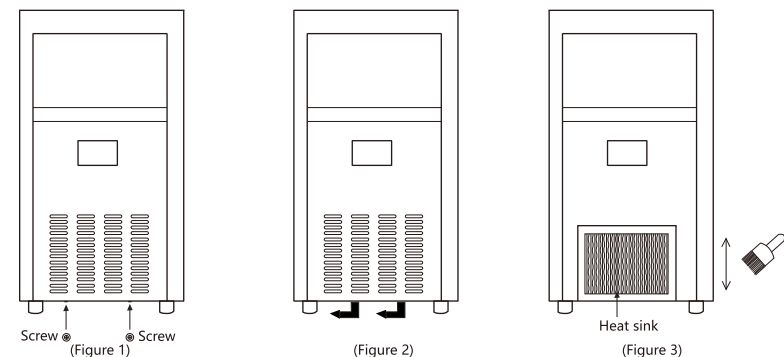
Daily use, cleaning and maintenance

Please carry out daily maintenance according to the requirements of this manual, so as to maintain the stable operation and service life of the ice maker, and avoid the reduction of ice production efficiency while maintaining health.

1. Before any cleaning or maintenance work, please unplug the power plug of the machine.
2. Do not touch or wet the parts in the machine room, otherwise it will cause failure or shutdown.
3. Clean the inside and outside of the ice maker at least once a week to keep the use sanitary.
4. Clean the surrounding environment of the ice maker regularly to keep it clean, and do not block the louvers for the ventilation of the ice maker.
5. Soak the soft cloth in a solution made by mixing cold water or warm water with a proper amount of neutral detergent, take out the soft cloth and wring it dry, and then use the soft cloth to clean the inside and outside of the machine. Do not use a water jet to clean the machine room.
6. The use of chemicals other than neutral cleaners may cause damage to the inner and outer surfaces.
7. Do not use the following items to avoid damage to the paint or plastic surface: polishing powder, alcohol, diluent, volatile oil, acid or alkaline detergent, hot water, petroleum essence, soap powder, metal grinding tool or brush, etc. In particular, do not use detergents dedicated to cleaning the grease on ventilation equipment or microwave ovens.
8. Filter element shall be inspected regularly. Most of the ordinary filter elements are replaced in half a year, and the advanced filter elements should be replaced according to the instructions.
9. Maintenance of air-cooled ice maker condenser: clean the air-cooled condenser once every three months. Brush the condenser fins up and down along the fin direction with a soft brush or a vacuum cleaner with a brush to avoid damaging the fins and affecting the refrigeration effect.

Cleaning instructions for radiator of integrated ice maker (air cooling)

1. Shut down and unplug the power plug.
2. Use a screwdriver to remove the two screws at the bottom of the front (Fig. 1).
3. Pull forward along the edge position and gently take out the front panel (Fig. 2). Note: do not use too much force to avoid breaking the connecting line of the display board.
4. Use a soft brush along the texture direction of the heat sink, and gently brush up and down to remove the dust on the surface. Do not use rags or other hard objects to avoid deformation of the heat sink (Fig. 3).



Operation instructions

When working, there is a corresponding display on the load screen that is turned on. The ice maker has no button operation for 60 seconds, the screen is locked, and the lock icon is on. Click any button to unlock it.

Ice Full: The ice full icon lights up and all loads are turned off.

Ice Full Release: The ice icon flashes and the startup is delayed.

Cleaning: The cleaning icon is dynamically displayed (not displayed when the program does not have a cleaning function).

Fault: The fault icon flashes, the specific fault Chinese characters are displayed, and all loads are turned off.

When the condenser malfunctions: the fault icon lights up, the Chinese characters on the condenser probe light up, and the machine continues to make ice.

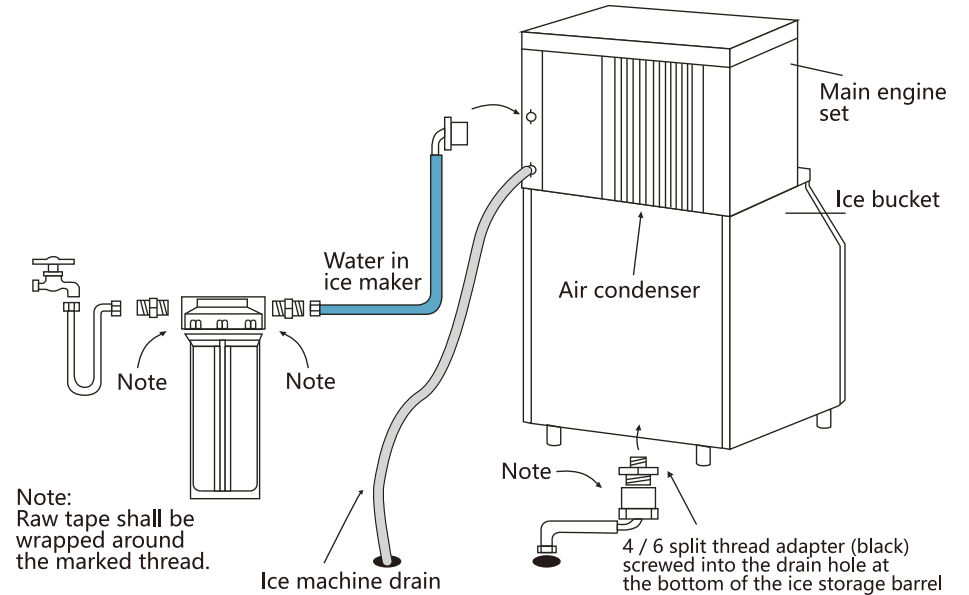
Overdue de icing fault: Three consecutive times of de icing timeout, ice making timeout light, and fault icon flashing.

High temperature malfunction: When the condensation temperature exceeds 70 degrees, the high-temperature Chinese characters light up and the fault icon flashes.

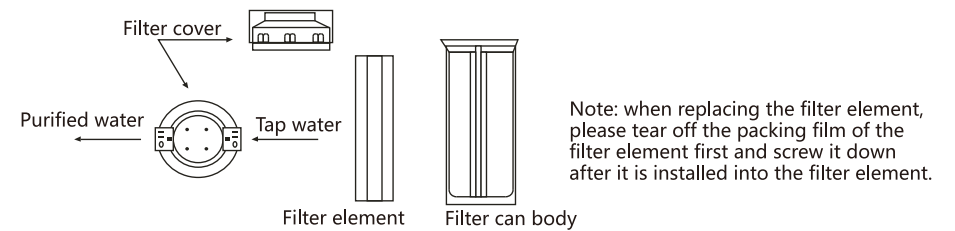
Pressure over limit fault: The pressure switch is tripped (this function is invalid when there is no pressure switch).

High voltage on: The fault icon flashes.

Installation diagram of split ice maker (air cooling)



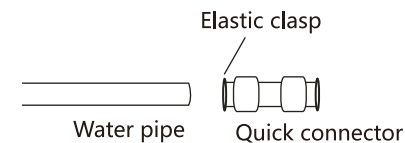
The use of the filter of the split ice maker



Quick connect connector instructions:

Because some models adopt quick connect mode, please refer to this step when replacing water pipe or filter:

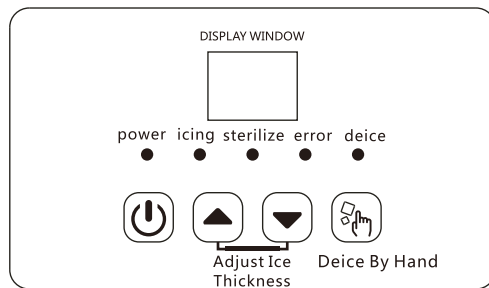
- ① Press and hold the elastic snap ring.
- ② Pull out the water pipe.



Operation instructions

- *Please use independent water source for ice maker and check regularly to prevent low water pressure, fluctuation or filter blockage.
- *Do not store other items and food in the ice storage room, so as to keep the interior clean and sanitary.
- *When opening and closing the ice bucket door, please open and close it gently, and close it in time after taking out the ice.
- *The ice maker shall be far away from the heat source. It is strictly prohibited to use it in high or low temperature environment. Direct sunlight shall be avoided as far as possible to avoid affecting the heat dissipation of the machine.
- *After the ice maker is used for a period of time, if it is suspended for a long time, it shall be powered for 4-6 hours every two months.

Function description of control panel



1. Power switch:





- (1) In the shutdown state, press the power key to start the machine.
- (2) In the power on state, press the power key for 3 seconds to shut down.

2. Ice thickness adjustment:

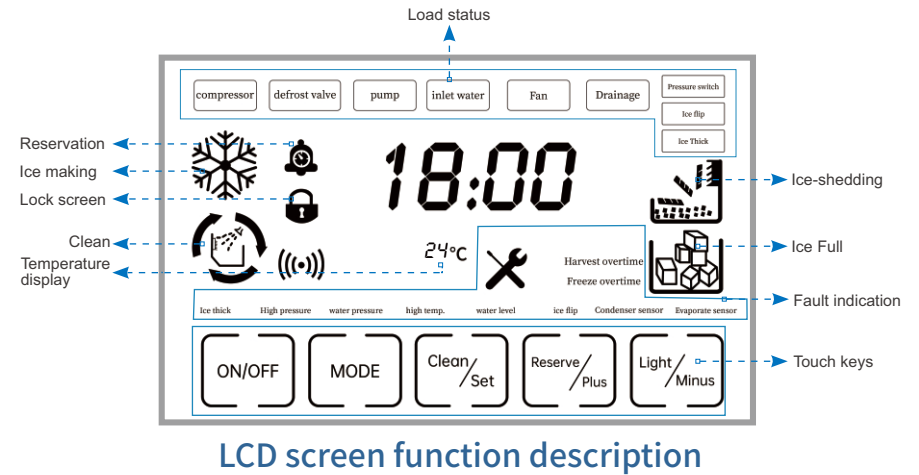


Adjust Ice Thickness

- (1) Adjust the thickness of the ice block. Press the  key to increase the gear value when the machine is started. The setting will not take effect until the ice falls.
- (2) Adjust the thickness of ice, and press the  key to reduce the gear value when the machine is started. The setting will not take effect until the ice falls.
- (3) Please adjust the gear value appropriately in combination with the ice thickness, and do not float too much at one time. In order to avoid that the gear is too low to make ice, or the gear is too high and the ice is too thick to fall off.

Note *

In summer and hot environment, it is recommended to adjust the ice thickness range: 25-45
 In winter and severe cold environment, it is recommended to adjust the ice thickness range: 10-30



LCD screen function description

Description of touch keys on display screen

ON/OFF: Tap power on, tap power off.

Mode key: Click to switch modes.

Cleaning/Setting button: In the shutdown state, click to enter the cleaning mode.

Appointment/Add button: 1. Enter the appointment mode; 2. Set the status and execute the "+" function.

Light/Minus button: 1. In the setting state, execute the "-" function. 2. Control the switch of the blue light in a non set state.

Parameter settings

Ice thickness setting: Press and hold the ice making status to make a reservation/add for 10 seconds to enter press the add button to add 1 minute, and press the subtract button to subtract 1 minute. The default time is 15 minutes.

Other settings: If there is no click operation within 60 seconds, the ice maker will lock the screen and the lock icon will light up. Press and hold the settings button for 3 seconds to unlock.

Display Status

Power on: The LCD is fully lit and the four digit version number is displayed.

Inlet water: Time display C00, fully lit for ice making, de icing, and full icing.

Pressure balance: Cleaning, ice making, de icing, fully lit when ice is full.

Ice making: The ice making icon lights up and the time is displayed as the ice making time.

De icing: The de icing icon lights up and the time is displayed as de icing time.

Ice full: The ice full icon lights up, displaying the ice full time.

Fault: The fault icon flashes, and the corresponding fault code name lights up.

Shutdown: Display OFF.

Appointment time setting: The appointment icon lights up, and the time is displayed as the scheduled startup time.

Appointment status: The appointment icon flashes and displays the countdown to the appointment time.

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