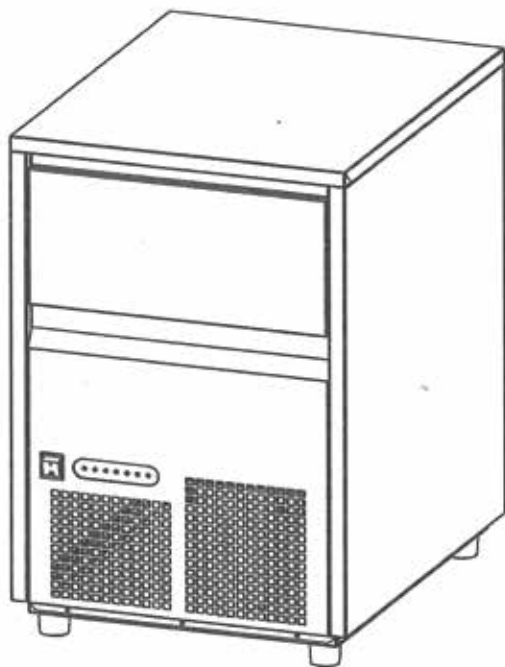


ZB Series Automatic Ice-Maker

Instruction Manual

Model: SM-26S



Thank you for selecting our ZB Series Automatic Ice-Maker!
To ensure the proper operation of this ice maker, please read the instruction carefully before use and please keep it for inspection in case troubles occur.

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Features

- * Computerized control , easy operation & high reliability.
- * Stainless steel exterior.
- * Square shaped clear ice.
- * Self malfunction analysis.
- * If water shortage or something wrong with the water supply system, the Ice Maker will restart automatically in 24hours otherwise you will stop the unit and restart it again.
- * EPS ice storage cabinet ,so it is insulated well and it could prevent the ice from melting.
- * High Efficiency , low power consumption.
- * Use fresh water to make clear and healthy ice.

Operation notes

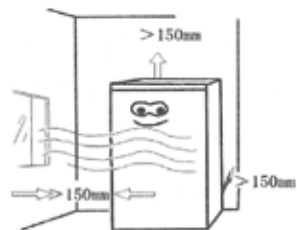
1. The incline angle of the cabinet could not be over 45° during transportation. Don't transport unit ice maker upside-down . May damage or block system.



2. When the ice maker will be used for the first time or reused after let it lie idle for a long time. The first and second ice making cycles are just for tube system cleaning, the ice made should not consume the ice. After the tube system was cleaned, you should drain the water form the water box, then the normal ice making procedures will begin and you may consume the ice.

3. The ice maker should be placed on horizontal and structurally solid ground and away from heat source and corrosive gas .

At least about 150mm room should be left around the ice maker to ensure the fine ventilation.



4. Please adjust the feet when placing the ice maker some where, otherwise the water level will be affected and so do the ice shape. Before using the ice maker for the first time, you should wait about 12 hours after positioning it in a proper place.
5. The outlet for the drainage tube should be lower than the cabinet so as to drain water easily. 100mm lower than the unit
6. Don't take down the Block Water Board when the ice maker is running.
7. We advice that install a water filter in the water input.

WARNING:

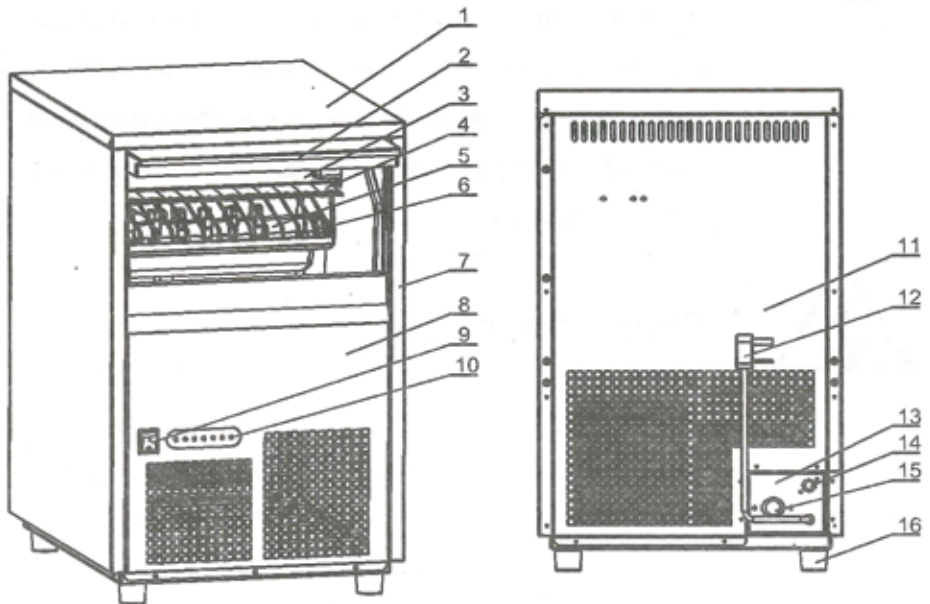
1. The grounding must be good.
2. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
3. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
4. This appliance is intended to be used in household and similar applications such as:
 - staff kitchen areas in shops, offices and other working environments;
 - farm houses and by clients in hotels, motels and other residential type environments;
 - catering and similar non-retail applications.
5. Connect to potable water supply only.
 - The maximum permissible water pressure: 5 bars;
 - The minimum permissible inlet water pressure: 0.15bars.
6. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe.



Caution: risk of fire



Item	Description	Item	Description
1	Top plate	9	Power switch
2	Door	10	Display panel
3	Water box	11	Back plate
4	Block water board	12	Power cord
5	Spray pipe	13	Water valve fixer board
6	Ice flopping shelf	14	Drainage Tee joint
7	Side plate	15	Water inlet valve
8	Front plate	16	Feet

Operation Procedures

1. Unpack the package and take out the attached documents and spare parts such as the water inlet and outlet tubes, ice shovel and gaskets, etc.
2. Position the ice maker on a well ventilated place and leave at least 150mm room between the ice maker and the wall. Be sure the ice maker is positioned levelly and away from the heat source.
3. Make one end of the $\phi 12$ flexible plastic corrugated tube (supplied with the machine) connected with the drain outlet tube on the back of the ice maker, another tube end should be placed in a container for surplus water (prepared by user himself) or in the sewer.
4. Make one end of the water inlet tube (supplied with the machine) connected with the 3/4" screw type connector of the water tap so as to get the drinkable tap water. The pressure of water supply should be 0.15~5 bars. The other end of the water inlet tube should be connected with the screw type connector of water inlet valve on the back of the ice maker. Be sure that the gaskets are (supplied with the machine) in both ends of the water inlet tube before connecting.
5. Make power connection and press the switch on the panel, the run indicator light on. Then the ice maker begins to work. All the procedures: water inlet ~ ice making ~ ice dropping ~ ice storing, are controlled automatically for ice making continuously. If ice is full in the ice storage container, the ice full indicator on the display panel will light on and the ice maker will stop automatically; If there is a water shortage or something wrong with the water supply system, the water shortage indicator will light on and the ice maker will stop operation automatically.

MAINTENANCE

1. If the compressor stops for any reasons like water shortage, ice full, power off, etc., don't restart it right away. You can restart it 5 minutes later to protect compressor.

2. Check regularly the connectors of the water inlet and outlet tubes and drain the little surplus water that may occur.

3. If the ice maker will be unused for long periods of time, please pull out the drainage plug at the bottom of the water box so as to drain the surplus water in the water box. Then install it back. Wipe the inner liner of the ice storage container with a clean rag.

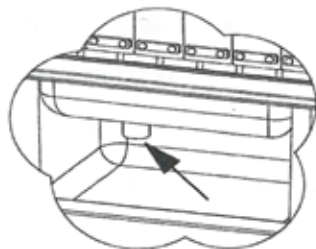
4. When plugging or unplugging, the plug should be held by hand and the wires should not be pulled heavily.



5. The spray water system of the ice maker should be cleaned on a regular basis. We advice too clean the spray water system once every three months or when the intensity of the water out of Spray Nozzle is weekend.

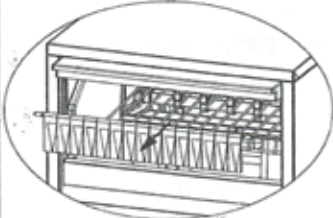
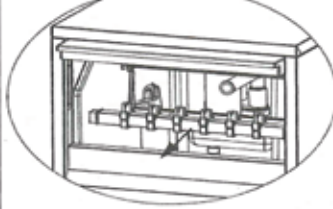
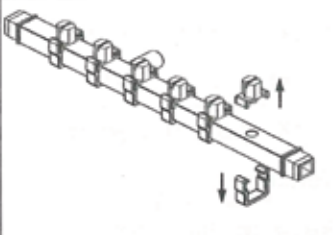
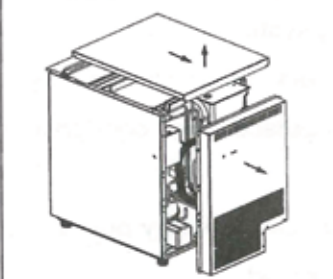
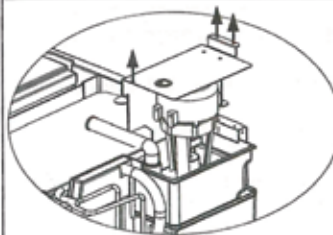
6. Automatic cleaning: Fill some ice maker special cleaning fluid into the water box. Power on and press the clean button for three seconds to start the cleaning progress. The clean indicator light will flash in the process. Automatic cleaning process will lasts 30 minutes and can not be stopped unless you power off the machine. After finished, drain the water box. Start the automatic cleaning process again without cleaning fluid. If necessary, repeat it one more time to rinse the residual cleaning fluid.

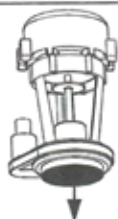
7. Drainage: Pull out the drainage plug at the bottom of the water box, after the water has drained . Install it back.



How to clean the spray water system

(for reference of users and technicians)

	<ol style="list-style-type: none">1.Remove the block water board.2.Pull out the ice flopping shelf.
	<ol style="list-style-type: none">3. Take off the spray pipe connection (the silicone tube) then take out the spray pipe.
	<ol style="list-style-type: none">4. Use proper tools to remove the spray nozzles and the nozzle clamps as the direction one by one.5. Use water to clean the spray pipe and the nozzles with a soft brush.
	<ol style="list-style-type: none">6. How to take out the spray pump. Step 1: Unscrew the related screws on the back of the top plate, and then remove the top plate as the direction. Step 2: The same way to remove the back plate.
	<ol style="list-style-type: none">Step 3: Unplugging the power plug of the spray pump.Step 4: Unscrew the three screws on the pump cover according to the picture.Step 5: Pull out the pump components.



Pump Filter Net

7. Pull out the pump filter net as the direction.
8. Use water to clean the filter net with a soft brush.
9. Finally, install all of the parts back.

TROUBLE SHOOTING

(for reference of users and technicians)

TROUBLE	CAUSE	REMEDY
Ice maker does not work.	<ol style="list-style-type: none"> 1. The voltage is lower than 187V. 2. The ambient temperature is too low (lower than 10°C) 	<ol style="list-style-type: none"> 1. Turn off the machine, restart it when the voltage is normal. 2. Try again when the ambient temperature is over 10°C.
Compressor works, but no ice was made.	<ol style="list-style-type: none"> 1. Refrigerant leaks. 2. Refrigerating system blocks. 3. Solenoid valve failure. 4. Condensing fan does not work. 5. Spray pump blocks or failure. 	<ol style="list-style-type: none"> 1. Refill the refrigerant and test leakage. 2. Replace filter for the N₂ filling system. 3. Replace the solenoid valve. 4. Replace the condensing fan. 5. Check the spray pump and its filter net.
Compressor does not work.	<ol style="list-style-type: none"> 1. Water shortage. 2. Ice full. 3. Compressor stops (the temperature of shell is too high). 	<ol style="list-style-type: none"> 1. Check the water supply system (water inlet valve and water supply tube). 2. Take some ice out. 3. Turn off the machine and restart 1 hour later.

<p>The indicator of water shortage lights.</p>	<ol style="list-style-type: none"> 1. Water shortage in water supply system. 2. Water inlet valve damaged. 3. Tap water pressure too low. 	<ol style="list-style-type: none"> 1. Check and make sure the water supply system is fine, and then restart. 2. Check the water inlet valve. 3. If it is for tap water, the water pressure should not be lower than 0.15 bars .
<p>The indicator of trouble lights.</p>	<ol style="list-style-type: none"> 1. There is some ice has not dropped. 2. Spray water system blocks or leakage. 	<ol style="list-style-type: none"> 1. Check whether the solenoid valve could be open, if not, replace with a new one. 2. Check the spray pump and its filter net; check the spray pipe and its nozzle; check the spray pipe connection.

Circuit Diagram

