

# **JUANMING Snow Ice Machine**

## **instruction manual**

Please read the introduction before using it

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# INSTRUCTION MANUAL FOR SNOWFLAKE ICE MACHINE

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## 1、 Product overview

Thank you for choosing snowflake ice machine. This snowflake ice machine adopts international advanced technology. Technical production, using international famous brand compressors and high-quality refrigeration accessories. Beautiful appearance, reliable performance, in line with the national food machinery safety standards and electrical safety standards. widely used in high-end bars, coffee shops, tea shops and high-end cold drink shops. Please read it carefully before using this machine. In this manual, the machine should install in strict accordance with the provisions of this manual, debugging and operation.

## 2、 Matters needing attention

1. The machine use indoor should be placed in a horizontal and dry sturdy on the table. There should be no heat source with the temperature higher than 70 °C in the surrounding 50cm range.

2. The inlet water temperature of the water-cooled machine shall not exceed 30 °C, and the water pressure shall not be allowed lower than 0.05mpa. The air outlet of the air-cooled machine shall not be blocked by sundries.

3. Power sockets shall on the basis of national electrical safety standards, this machine must be installed independent power supply, power cord wearing area must not be less than 2.5mm, must have good grounding device to ensure that the power supply line of the machine is equipped with a short circuit device. Single-phase power supply is 220V/50Hz, the voltage fluctuation range is between 198V-242V.

## 3、 Safety rules

Note: 1. the machine will inevitably be shaken in the course of transportation and must be put it for 2 hours before use, the machine should avoid sunlight, high temperature and radiant heat source.

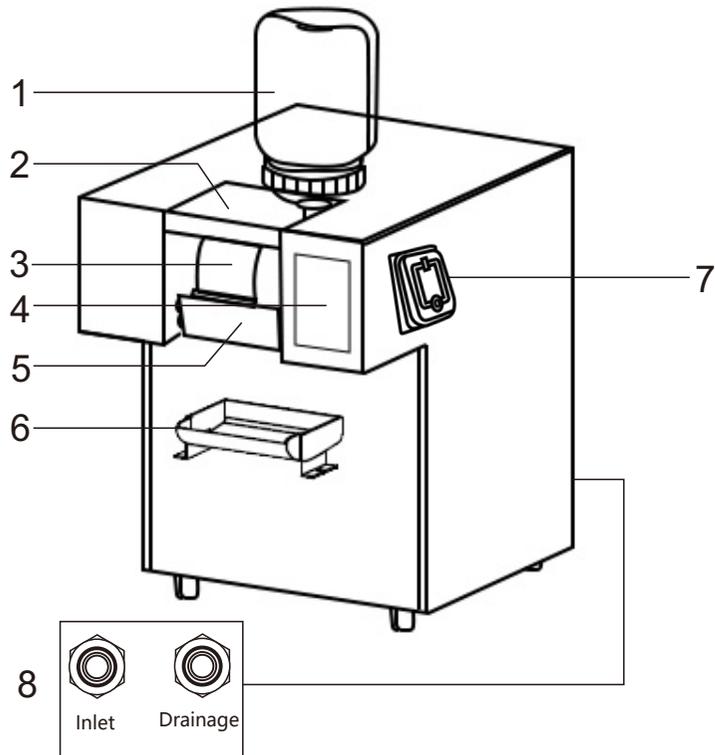
Warning: in order to ensure safety, the machine must be operated by personnel trained in operation. If the machine breaks down or the power cord is damaged, it is necessary to avoid danger. It will be handled by professional maintenance personnel. When the machine is not in use for a long time, please cut off power supply of the machine, clean and wipe dry accessories which are connected to machine, then place to a dry space. Suggest cleaning dust in the machine every 3 months.

2. Danger: when the skin is bare, wet, wearing wet gloves or wearing wet clothes. Do not touch live plugs or switches. Do not operate those that are not properly grounded Machine, do not carry out any maintenance work on the machine before the power supply is cut off.

## 4、 machine structure

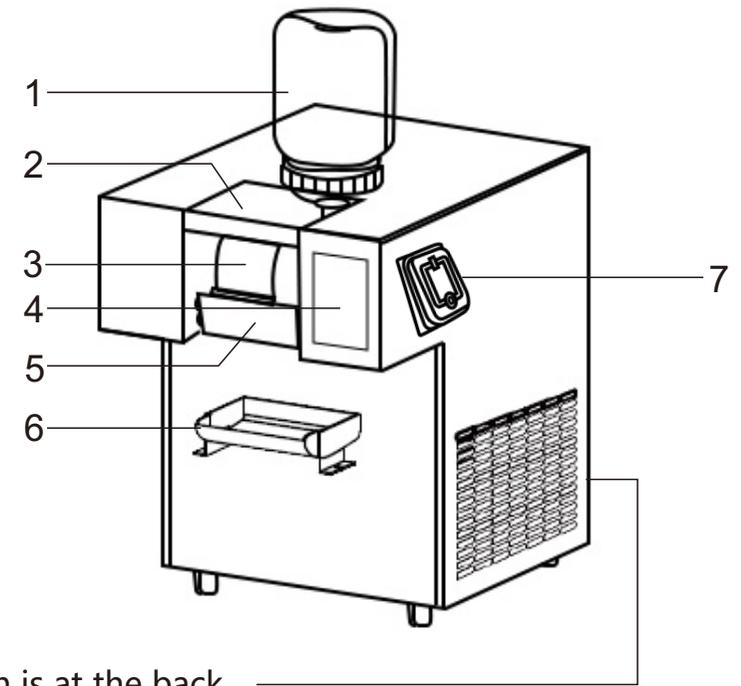
### Water-cooled model

- |                 |                           |
|-----------------|---------------------------|
| 1、 Barrel       | 2、 Dust cover             |
| 3、 Roller       | 4、 Operation panel        |
| 5、 Blade        | 6、 Material box           |
| 7、 Power switch | 8、 Water inlet and outlet |



### Air-cooled model

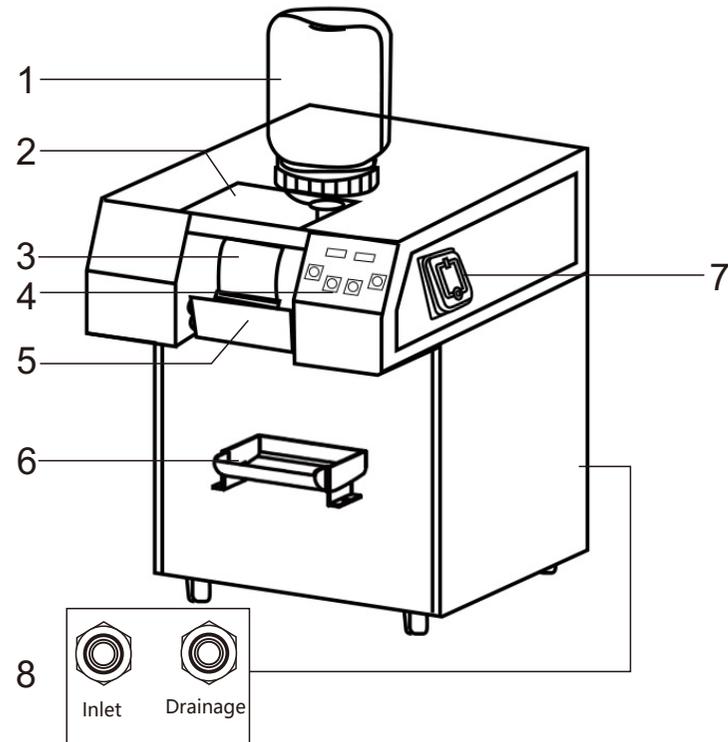
- |                 |                    |
|-----------------|--------------------|
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| 5、 Blade        | 6、 Material box    |
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8 The fan is at the back

## Water-cooled model

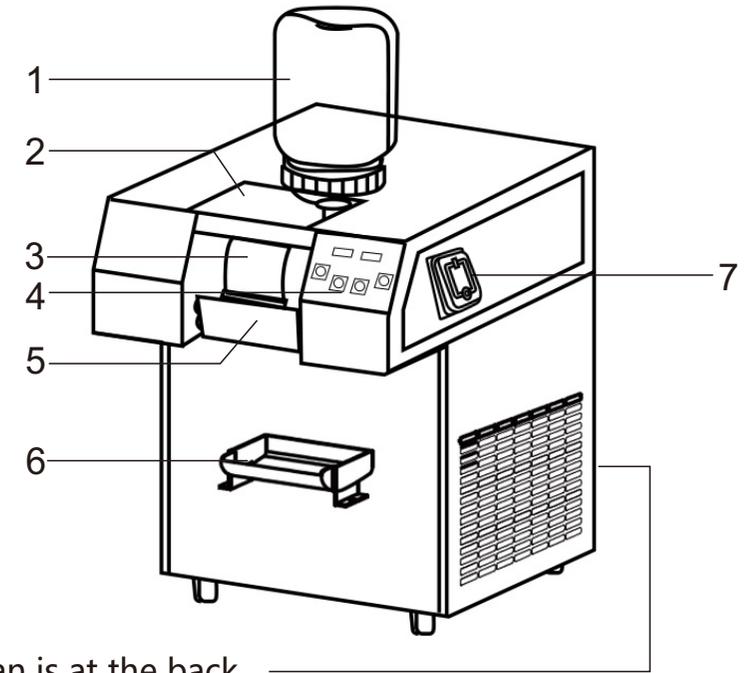
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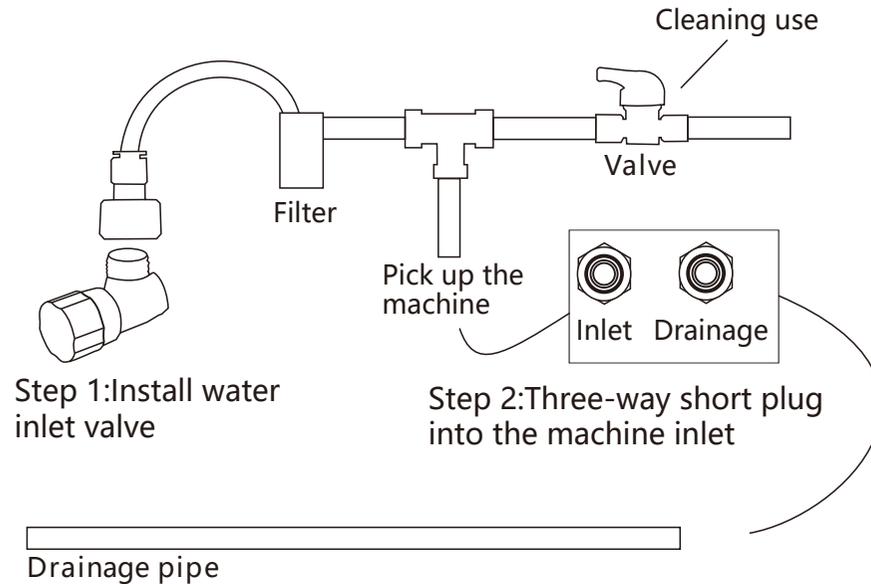
8 The fan is at the back

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## 5、 Installation and debugging

### Installation of inlet and outlet pipes for water-cooled

- A、 Opening the valve is the water inlet pipe
- B、 The straight pipe is the drain pipe



Step 1: Install water inlet valve

Step 2: Three-way short plug into the machine inlet

Drainage pipe

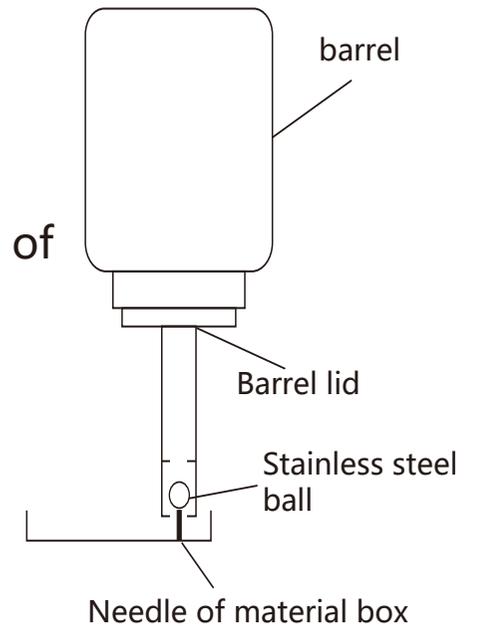
Step 3: Insert the drain into the outlet of the machine

The total length of intake pipe should not exceed 4m, too long will affect the cooling effect, the influent temperature shall not exceed 30 degrees.

The hot water running out from drainage pipe is discharged into the sewer

### Installation method of material barrel:

Barrel installation, close the lid, and then turn the barrel upside down, put it down through the dust cover, as shown in the figure



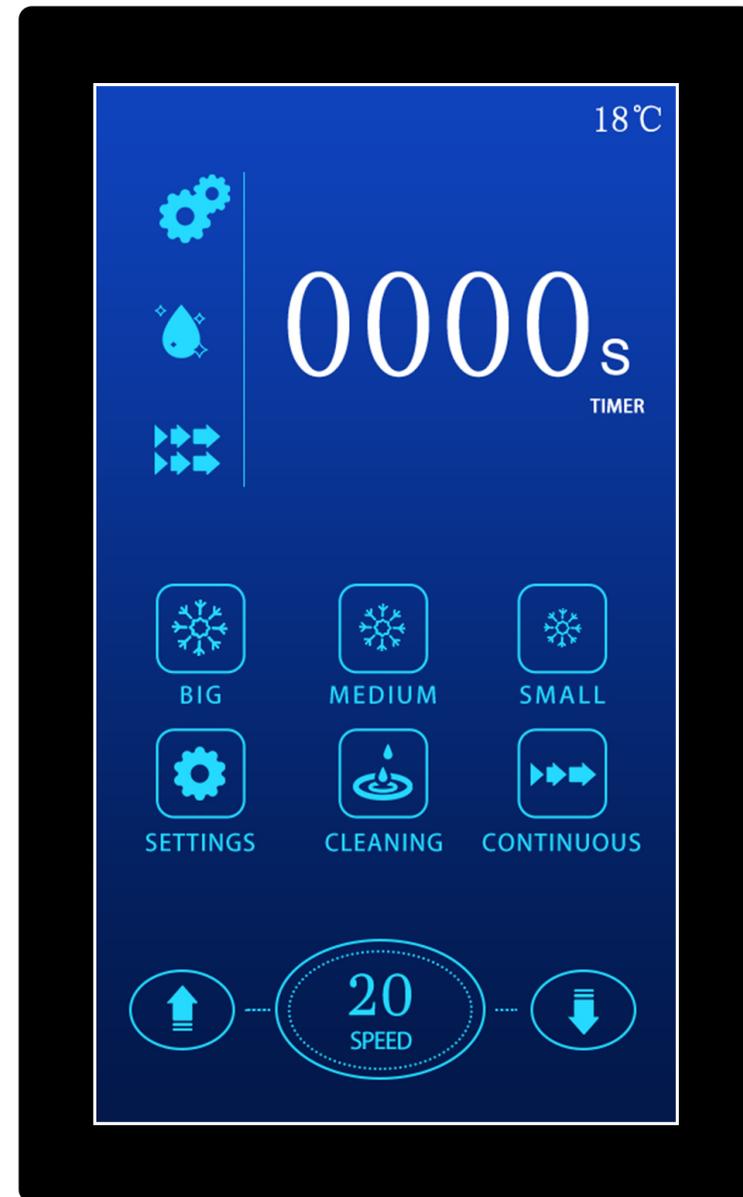
### Machine cleaning:

After Machine finished working, take down barrel and material box to clean, and then clean roller. when you clean the roller, you need press "cleaning", then water will running out from hole to clean the roller automatic, and you can also use cleaning water pipe to clean it. Cleaning finished, please dry it with towel. (take care of the blade which is sharp, don't touch it, avoid injury)

## 6、 Operation instructions

### A: Intelligent screen operation panel

- 1) Press "large", "medium", and "small" to enter timed operation, when time is out to 0, then machine stop working. Actually large, medium, and small is setting time and amount. Press "continuous" entering ice making mode, when you do not need make ice, press "continuous" again, the machine stop working.
- 2) Press the "Settings", then you can set the time of large, medium, and small. Input number of second and press "Enter", that is ok. The biggest number of time is 300 seconds. Press the spherical icon in the left corner, input password to set factory parameter, default password is 8086. Press "Chinese/English" to switch between Chinese or English versions of the interface.
- 3) Press "cleaning", roller will turn around, then water will running out from hole to clean the roller automatic and you can also open the cleaning water pipe valve to clean the roller.
- 4) Up and down arrows can adjust the speed of roller, up arrow is fast, down arrow is slow. The speed range is 1-20. Use water to make snow ice, please adjust the speed to about 20. Use juice or mix material to Making noodle shape ice, please adjust the speed to about 12. Different material and make different shape of ice need adjust to different speed.



## B:Buttons operation penal

- 1) Ensure machine connect power supply,then starting up, press the "Ice Making" key, the "Ice Making Lamp" lights up. The "Work Pattern" shows COL, the machine is in Ice Making mode ,motor works,compressor starts working 3 seconds later. Press the "Ice Making" key again,the machine return to standby mode, motor works 90 seconds later and stops.  
(Water- cooled machine: before starting up, it is necessary to connect the tap water and turn on the water tap to ensure that there is water running to machine to dissipate heat for compressor)
- 2) Press the "Cleaning" key,the "Cleaning Lamp" lights up, and the "Work Pattern" shows CLR. The machine is in Cleaning mode, and the motor will work. After 90 seconds the machine will finished cleaning , the machine will exit Cleaning mode,return to standby mode. Or in the cleaning mode, press the "Cleaning" key again to return to the standby mode.
- 3) Press the "Speed Up" or "Speed Down" key to adjust the speed, press the "Speed Up" or "Speed Down" key for a long time to adjust speed quickly. The "Speed" on the right will show numerical value. The speed numerical value ranges from 1-60. Customer make different snowflake ice to adjust different speed.

## Adjust parameter mode

press "Speed Up" and "Speed Down" at the same time for about 3 seconds, the work pattern shows P1,press "Ice Making" can choose P1/P2/P3/P4.

P1:Can adjust numerical value by "Speed Up" or "Speed Down"

- a、 Adjust speed to 310,it is fit for water or low concentration material
- b、 Adjust speed to 260,it is fit for high concentration material



P2:Set the time for roller rotating during cleaning.

P3:Set the time for roller continue rotating after machine stop making ice.

P4:Set the time when the compressor protection starts after machine starting up, which is the time for the compressor delay starting after pressing the "Ice Making"

Warm prompt: It is recommended to follow the factory parameters

## Please check when the fault is displayed

- 1.Please check if there is hot water running out from water-cooled machine drainage water pipe.
- 2.Please check the fan for the air-cooled model,and cleaning the radiator.

## 7、 Machine maintenance

1.water-cooled machine:after machine finished work every day,the machine should be cleaned, first take down the material box to clean it,then press "cleaning" to let the roller turn around,flush the roller, blade and surrounding area with cleaning water pipe at the same time.

2.water-cooled machine:the pre filter of the inlet pipe should be replaced every year to avoid affecting cooling effect.

3.Air-cooled model:the condenser should clean dust every 3 months to avoid affecting the cooling effect.

Clean steps:cut off power supply,use a screwdriver to unscrew the screws of the air outlet stainless steel face Sheet,take down the stainless steel face Sheet,then use a brush to sweep away dust that is on the condenser.

## Warranty description

Provide video guidance and online after-sales service. If the machine breaks down in one year (product quality issues caused by non-artificial factors) .based on the purchase record and date, our company can provide replacement accessories free. But transportation and maintenance costs are not included.(our company pay the freight from factory to the china's port, Buyer pay the freight from china's port to destination)

## 8、 Malfunction analysis

trouble	reason	analyze	maintain
The machine is not responding	No electricity	Socket loosening	Repair or replace the socket
	There is power smart screen cannot operate	switch or controller is broken	Repair or replace switch and smart screen
Uncooled	Compressor doesn't work	1.Compressor starter or capacitor failure 2.Bad compressor or controller	replace failure accessory
	The compressor is not refrigerated	Refrigerant leakage	check and repair the leaking area Re vacuuming and refilling Refrigerant
Poor cooling effect	middle of roller freezes	Refrigerant leakage	check and repair the leaking area Re vacuuming and refilling Refrigerant
	Ice is not hard	Poor heat dissipation	Air-cooled machine:check if the fan is damaged or the air outlet is blocked Water-cooled machine:check if there is hot water discharged from the drainage and check the tap water
Poor Ice particle	Uneven icing	Uneven mixing of raw materials	Change raw materials
		The blade is not sharp	Change the blade
		Too big or small blade gap	Adjust the gap(0.6mm)
Roller	There is motor sound,but roller doesn't turn	Chain shedding	Tighten the chain or replace the chain
	no motor sound roller doesn't turn	The motor or controller is broken	Change the motor or controller
The rotating disk does not rotate	The motor does not run	The motor is broken	Change motor
Leaking material	Barrel lid loosed	The lid is not tightened or sealing ring is broken	Tighten or change the sealing ring

The company reserves the right to improve the technology without prior notice