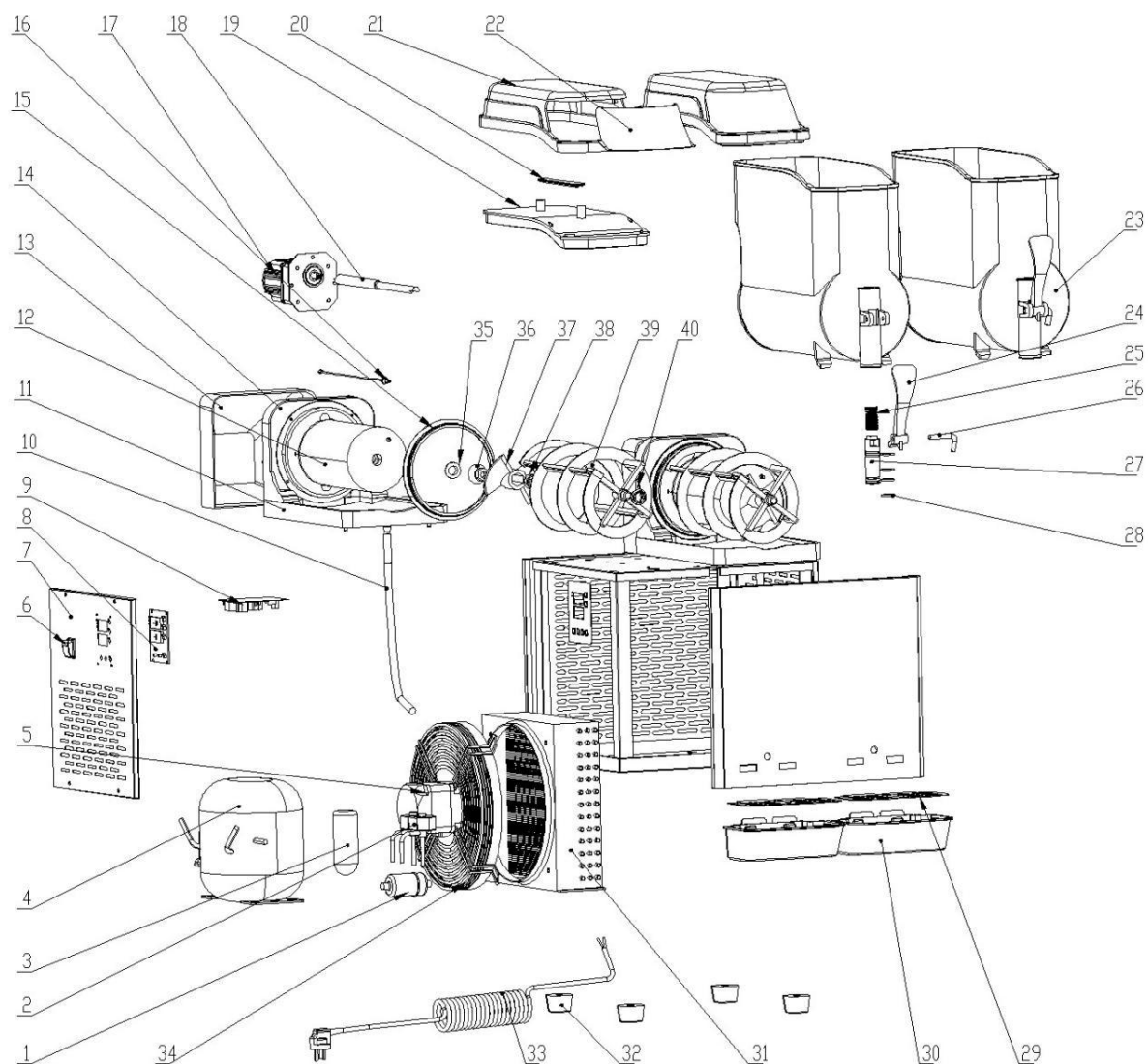


SLUSH/SMOOTHIE MACHINE MANUEL





1	Drying filter	11	Evaporator base	21	Cylinder cover	31	Condenser
2	Solenoid	12	Evaporator	22	Light box transparent cover	32	Feet
3	Reservoir	13	Motor rear cover	23	Tank	33	Power cord
4	Compressor	14	Motor base	24	Handle	34	Mesh cover
5	Condensate fan	15	seal ring	25	Spring	35	Retaining ring
6	Power switch	16	Temperature sensing probe	26	Bolt	36	Nylon Holder
7	Right side panel	17	Motor	27	Piston	37	Beater
8	Display panel	18	Mixing connecting shaft	28	O rings	38	Sealing sleeve
9	Control panel	19	Cylinder cover base	29	Water box sheet	39	Auger
10	Drain	20	LED light	30	Leakage Holer	40	Locating ring

1. WHERE TO USE

This slush machine is suitable for producing SLUSH/GRANITA/SMOOTHIE in hotels, cold drink shops, bars, coffee shops, resorts etc, a new project that not only add profit to your current business but also set free your imagination of creative slushy drink.

2. Pay attention

- Operators shall fully read this manual and be trained to master the operation skills and necessary emergency handling capabilities of the slush machine.
- The ratio of sugar to water shall be 1kg sugar to 5kg water. If the sugar is insufficient, the evaporation tank may freeze and cause fault alarm
- The best recipes : sugar 1kg : water 5000ML , and the capacity of each cylinder is 5L
- The liquid level of raw materials must be higher than the blade surface of the spiral scraper
- The capacity of raw materials in each cylinder is 5L. Too much raw materials will affect the forming time, and it is easy to overflow due to the volume expansion after forming.

3. Slush machine can work under below conditions:

Ambient temperature: 10~38°C

mixture temperature: 0~40°C , 0~10°C is the best

Power: 220V/50HZ . Voltage fluctuation range 198~242V. **For the specific model, please refer to the nameplate.**

- Pay attention: The above conditions can directly affect performance and capacity

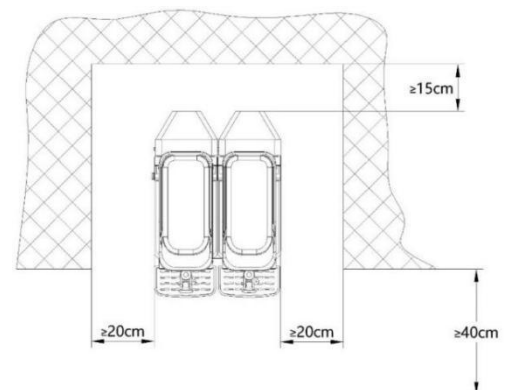
4. INSTALL & OPERATE

Before installation, carefully read the machine operation manual and operate in strict accordance with the instructions. If the following safety measures are not observed, serious personal injury or damage to machine parts may be caused. The company will not be responsible for any damage caused by incorrect operation.

1. Install:

a) This unit must be installed on a level surface to avoid the hazard of tipping.

b) Ensure that the machine has a good ventilation environment to avoid heat and light. The distance between the two sides of the machine and the wall or any other obstacle shall be more than 20 cm, the distance between the back and the wall or any other obstacle shall be more than 15 cm, and the space at the top shall be more than 50 cm.

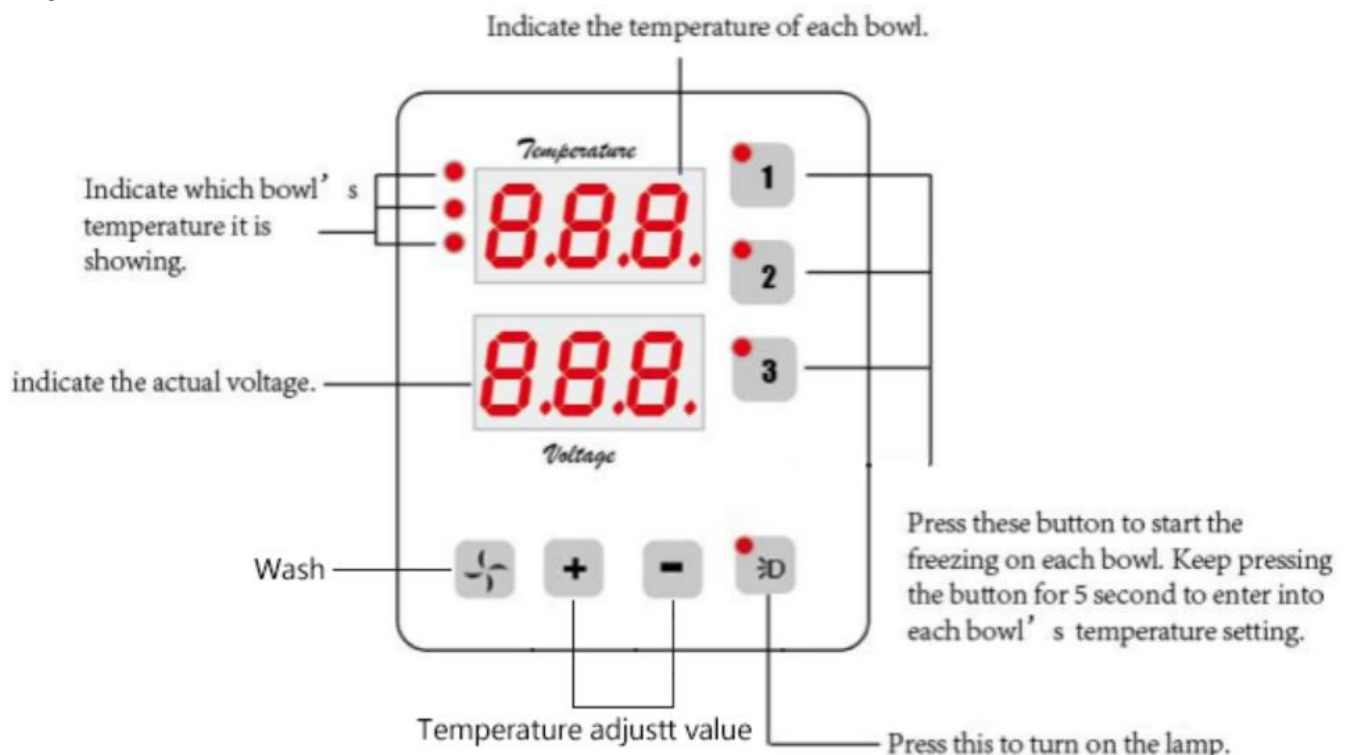


c) If the condenser or cooling hole is not cleaned sufficiently, the refrigeration capacity will be reduced, and in serious cases, the compressor may be permanently damaged. Therefore, the condenser in the machine needs to be cleaned regularly for dust accumulation.

d)Wiring:

- Standard power sockets shall be used, and the sockets shall be equipped with effective grounding wires. Ensure that the power supply is equipped with circuit breakers, fuses or other leakage protection devices, and use fuses that meet the requireme.
- Ensure that the area of the copper core of the power line shall be greater than 2.5mm^2 , When the power line is too small, the voltage drop will be too large, which will affect the operation of the machine or cause damage to the machine.

2. Operation:



When the power switch is pressed, the power is connected, the display is on, and the machine is in standby mode.

For the control display of the slush machine, the number above shows the temperature of the raw materials in the charging tank. The two or three cylinders are displayed circularly, and the indicator lights on the left show the corresponding charging tanks respectively. The following shows the current working voltage of the machine.

The key on the right is the switch of the corresponding cylinder. After pressing, the corresponding indicator lights up, indicating that the corresponding cylinder has been working. If all are off, the machine stops working and is in standby mode.

Among the buttons in the lower row, the button on the far right is the switch of the ceiling lamp, and the two buttons in the middle are the plus and minus buttons, which can adjust the control temperature and related parameters. The leftmost key is the cleaning key. Press it in the standby mode, and the mixing motor of the machine will work. At this time, you can control the start and

stop of the corresponding mixing motor by pressing the corresponding cylinder control keys respectively.

Note: In the process of cleaning, the agitator in the charging tank should be operated with proper amount of water. Do not put your hands or rags into the charging tank to prevent injury or damage to the machine.

5、Cleaning

In order to keep good hygiene, you should clean each tank before and after using it.

Clean the tank

When the machine is in the standby state, pour a proper amount of water into the tank, add some food cleaning disinfectant, press the wash button, the mixing motor work for 5 minutes. Then turn off it, need to clean for 2 to 3 times.

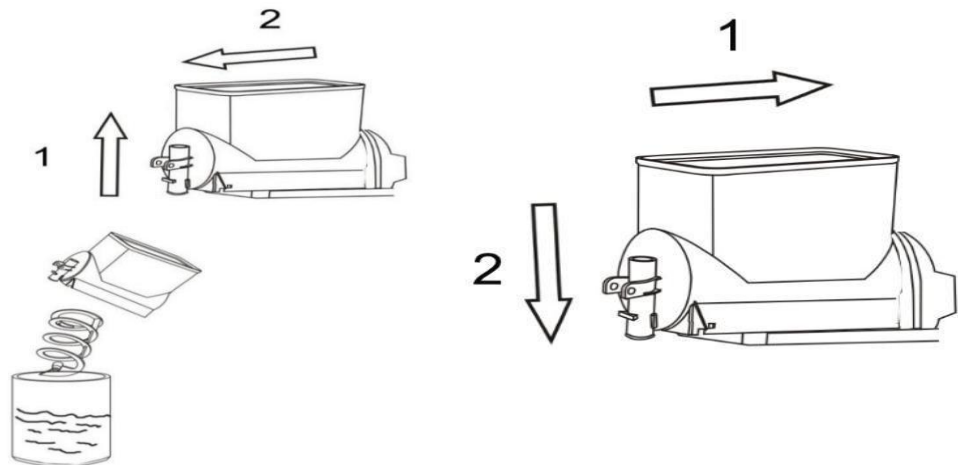
Disassemble the tank for cleaning

In order to ensure thorough cleaning, the tank of the slush machine shall be disassembled and cleaned regularly to meet the sanitary requirements.

Please refer to the following pictures to assemble and disassemble the tank block.

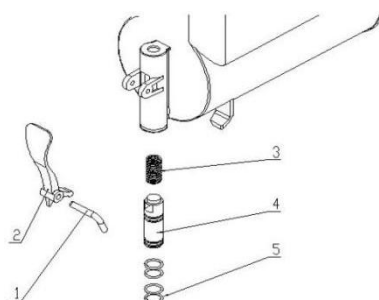
Turn off or disconnect the machine power before disassembly.

Dismantle: Push up until the lock catch is opened, then pull it out, and then take down the mixing scraper and other parts and put them into the bucket for cleaning, which should be wiped with a soft brush or towel.



Assembly: After cleaning, install the mixing scraper and other parts, smear Vaseline on the bell mouth and large sealing ring, insert the cylinder liner, push it toward the rear cover, and press it down until the cylinder block is locked by the hook lock.

Assembly of discharge valve:



Clean the machine case:

To keep the case of the machine clean, you can use a wet cloth to remove the stains, do not directly pour water on the machine's control panel or the components or can cause damage to the machine.

Clean the condenser:

After using for a while, the condenser will be covered with dust and affect the refrigeration. Please clean it every 3 months(under worse circumstance, clean it once a month). Make sure the power is disconnected before cleaning and handle carefully to avoid damaging the fin. Hire a professional technician is recommended.

6、Make smoothie

To ensure food hygiene, the machine should be cleaned before making smoothie

Do not run the unit without mixture. Failure to follow this instruction can result in damage to the unit.

- Smoothie raw material formula: 1kg sugar to 5kg water, add appropriate essence and other additives, or fruit juice.
- Pure fruit juice contains low sugar, mainly fructose, and cannot be directly used in the slush machine
- Do not use fruit nectar that includes fruit particles.

The smoothie raw materials should exceed the spiral blade surface. When the smoothie discharge is lower than 1/2 of the height of the evaporation cylinder of the machine, the raw materials should be replenished in time

- During operation, too few raw materials in the tank will easily cause the freezing of the tank. At this time, the corresponding tank shall be closed, and the raw materials shall be replenished after 30 minutes of thawing.

1. Operate:

When the mixture is ready, you may fill the bowls then click the

1	2	3
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 to start the automatic slush making process.

After a period of time, as the machine works, the temperature of raw materials decreases, and ice crystals are gradually formed and piled up. At this time, snow melting is ready. The production time is affected by the ambient temperature, raw material temperature and quantity.

2. If you need to change the set value of temperature, you can keep pressing either one of these 1.2.3 to enter the menu of each bowl. and click +/- to adjust the value. click the number button again to exit the menu, it will also exit automatically if leaving it untouched for 8 seconds.

MEANING	TEMPERATURE WINDOW	RANGE	UNIT	DEFAULT
SET FREEZING TEMPERATURE	TEMPERATURE	-2~10	℃	-2

Note: If the temperature is set too low, the raw materials in the cylinder will be too cold and the cylinder will be frozen.

FACTORY SETTING

1. In some cases, you may need to check the factory setting. In standby mode, while no auger is running, keep pressing the lamp button for 5 seconds until enter the setting menu, then click “+/-” to adjust the value, leave it untouched to exit the menu.

2. In factory settings, the voltage displays the setting code and the temperature displays the setting value. For the code meaning, you can refer to the following code list.

CODE MEANING	CODE	CODE	UNIT	DEFAULT
TEMPERATURE DIFFERENCE	P01	1~15	℃	1 or 2
BOWL	P02	1~3	BOWL	1-2-3
LOW VOLTAGE ALERT	P03	90~200	V	200
HIGH VOLTAGE ALERT	P04	120~265	V	250 (DEFAULT NOT STARTED)
COMPRESSOR STARTING DELAY	P05	0~600	SEC	5
COMPRESSOR INTERVAL DELAY	P06	0~600	SEC	180
SOLENOID INTERVAL DELAY	P07	5~60	SEC	30
MOTOR PROTECTION CURRENT VALUE	P08	0.10~2.50	A	0.40

3. if you need to check the electric current of each motor, keep pressing the lamp button for 5 seconds, the temperature window will show the value of amper, and the light next to it will indicate the relative motor.

HOW TO MAINTAIN

1. This machine MUST NOT be in any access to children, or physically or mentally disabled people, unless under the supervision and help of qualified guardian.
2. DO NOT damage the pipeline of the freezing system.
3. To avoid possible accident, ONLY technician is allow to replace power cord.

ERROR CODE:

ERROR DESCRIPTION	CODE	SOLUTION
Low voltage	uL	1. Adjust the alert value 2. Connect to a stabilizer
High voltage	uH	1. Adjust the alert value 2. Connect to a stabilizer
Compressor high pressor	HP	1. Check compressor 2. Change the high pressure switch
Motor 1 overload	oU1	1. Adjust the alert current value 2. Check the motor 1
Motor 2 overload	oU2	1. Adjust the alert current value 2. Check the motor 2

Motor 3 overload	oU3	1.Adjust the alert current value 2. Check the motor 3
Motor 4 overload	oU4	1. Adjust the alert current value 2.Check the motor 4
Sensor 1 error	E01	1. Firmly connect sensor 1 2. Replace the sensor 1
Sensor 2 error	E02	1. Firmly connect sensor 2 2.Replace the sensor 2
Sensor 3 error	E03	1.Firmly connect sensor 3 2.Replace the sensor 3
Sensor 4 error	E04	1. Firmly connect sensor 4 2.Replace the sensor 4

Wiring circuit diagram

