



便携一体式干冰机/冰杯机

Portable Dry Ice Machine

用户手册

User Manual

目录

● 注意事项.....	1
● 包装清单.....	2
● 部件名称	3
● 产品规格	3
● 使用说明.....	4-5
● 功能介绍.....	6
● 知识产权.....	6
● 维护与保养.....	7
● 保修.....	7
● 问答.....	8
● 故障排除.....	8

注意事项

1. 使用本产品之前，请仔细阅读说明书。
2. 请勿将本产品当玩具使用，禁止儿童或思考能力较弱的人使用。
3. 请勿在电源线或电源插头损坏的情况下使用本产品。
4. 请勿使用其它适配器，请使用包装中附带的适配器，以免发生意外。
5. 请勿随意拆解产品，错误的安装方式会损害产品，并且存在安全隐患。
6. 请勿在有易燃、可燃气体的环境或附近使用。
7. 请勿将液体倒在产品上，且勿将产品浸泡在液体中。
8. 请勿连接其它任何气体，本产品仅连接食品级液态二氧化碳使用。
9. 请勿频繁拆卸连接导管，产品在工作或气瓶阀门打开状态下，严禁拆卸连接管，以免受伤。
10. 产品工作时，禁止将人体任何部位置于出气口处，以免发生意外，请勿直接用手或手指触摸干冰及冷冻部件，以免冻伤。
11. 请勿在进气口未装好滤芯的情况下使用，以免损坏机器。
12. 如果发现产品有任何异常，请停止使用并联系我司。

包装清单



主机



冰杯开启器



干冰杯



干冰杯底座



连接导管



电源适配器



镊子



滤芯



L型套筒扳手

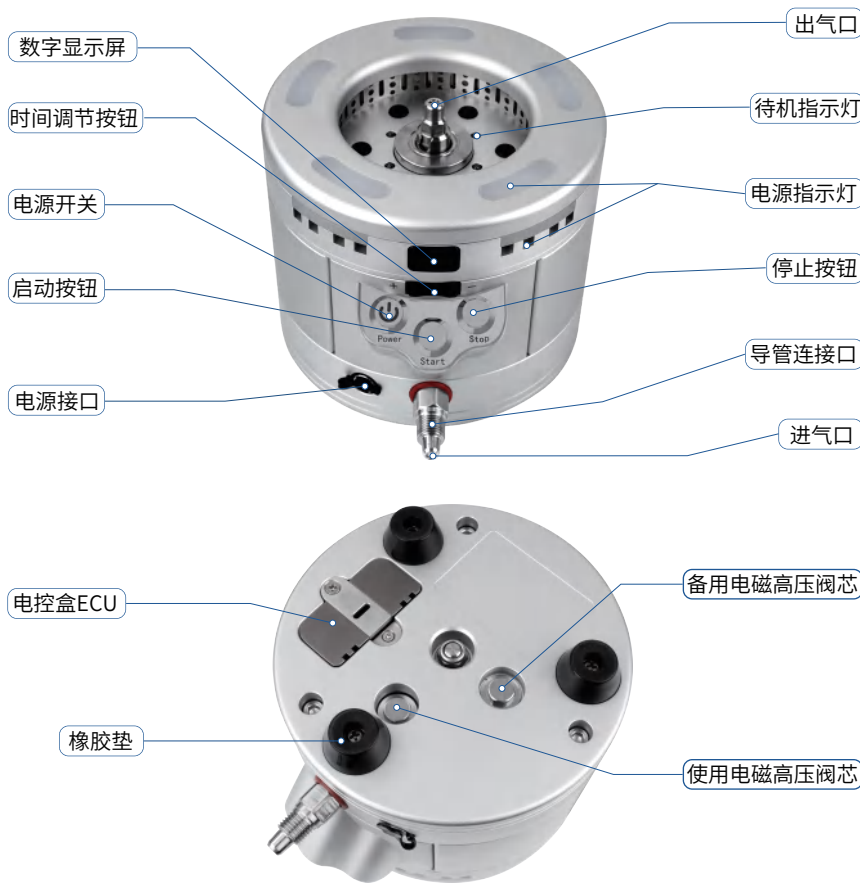


螺丝刀



开口扳手

部件名称



产品规格

输入	DC12V 5A
功率	25W
主机净重	4.8kg
主机尺寸	170mm*210mm*150mm
制冷剂	液二氧化碳

使用说明

1. 气体及气瓶要求

- 气体要求：食品级液二氧化碳。
- 气瓶类型：凹形接口G5/8，容积分别有4L、8L、10L、15L、20L、40L，建议购买携带提手的铝气瓶，便于移动。
- 气瓶放置要求：① 在配有虹吸管的情况正常使用。② 气瓶没有虹吸管的情况下，气瓶需倒立使用。
购买气体前应提醒气体公司配置虹吸管，方便气体的使用。



2. 连接气瓶

- 接入连接导管，将安全绳套在二氧化碳气瓶阀门处。
- 连接导管大端接入二氧化碳气瓶，按顺时针方向手动拧紧，再使用开口扳手拧紧。
- 高压连接管小端接入产品进气口，按顺时针方向手动拧紧，注意高压连接管不要折弯。
- 请使用包装内提供的适配器，插好电源，蓝色电源指示灯亮起后，再打开气瓶阀门，连接好，无漏气，产品可正常使用。

干冰机连接导管的接口是自闭形连接，密封效果最佳，使用便利，无需使用工具可手动连接。



警告:禁止使用其它适配器连接主机，以免发生意外，请使用包装中附带的适配器。

3. 操作步骤

(1) 冰杯

准备

- 将冰杯开启器顺时针旋转，安装在主机上。
- 逆时针方向拧开气瓶阀门。
- 将杯口朝下，正对出气口上方。

使用说明



模式选择

① 手动模式：

单击按下 $\odot$ 键,按“-”按钮,将数字显示屏调至00的状态,00灯闪烁3次后,长按Start键,将杯口置于出气口正上方,杯身附有一层冰霜,松开Start键,即冰杯完成。

② 自动模式：

单击按下 $\odot$ 键,按“+”“-”按钮可设置冰杯所需时长,最长可设置20秒,设置好时间后,单击按下“Start”键,倒计时开始工作,若中途需要停止,单击按下“Stop”键即可。

警告:本产品在运行的过程中,禁止将人体其它部位置于出气口上方,以免冻伤。

(2)制作干冰

准备

- 将干冰杯放到干冰杯底座上,此时是松动状态。
- 将干冰杯及底座放到主机出气口位置,顺时针旋转干冰杯,安装在主机上。



模式选择

① 手动模式：

单击按下 $\odot$ 键,按“-”按钮,将数字显示屏调至00的状态,00灯闪烁3次后,长按Start键开始制作干冰,如需停止,松开Start键即可。

② 自动模式：

单击按下 $\odot$ 键,按“+”“-”按钮可设置制作干冰所需时长,最长可设置20秒,设置好时间后,单击按下“Start”键,倒计时开始工作,若中途需要停止,单击按下“Stop”键即可。

- 干冰制作完成,逆时针旋转干冰杯,取下干冰杯,3~5秒后,将干冰倒入容器中即可使用。

警告:干冰制做完成后,请勿用裸露的手和手指触摸干冰及干冰机底座,以免冻伤。

功能介绍

(1)冰杯

特点

- 极速冰杯、快速降温，提升酒类及饮品口感，还原美酒醇香。
- 杯具消毒、祛除异味。

常见冰杯杯型

高脚杯，啤酒杯，果汁杯等，适用于玻璃，水晶，陶瓷材质的各种杯型。



应用场所



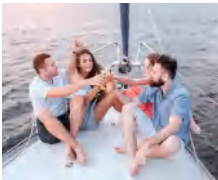
酒吧/KTV/高端会所



连锁奶茶店/饮品店



连锁餐厅



户外/游艇/聚会

(2)制作干冰

特点

即做即用，无需储存、云雾缭绕，营造浪漫气氛。

应用场景



酒类和饮品



水果



刺身



生鲜

知识产权

所有的外观设计版权和知识产权由广东途狗技术有限公司拥有。



干冰机外观设计专利证书



冻杯机外观设计专利证书



实用新型证书



欧盟CE认证



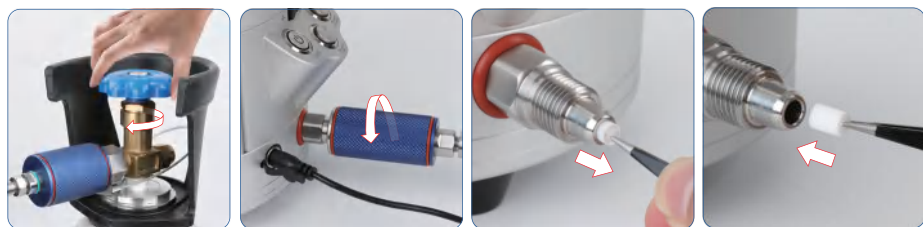
美国FCC认证

维护和保养

更换滤芯

- 顺时针方向关闭气瓶阀门，单击按下  键，再按下“Start”键，排净连接管的残余气体。
- 逆时针方向拧下连接导管的主机一端。
- 用镊子将旧滤芯夹取出来。
- 用镊子将新的滤芯放置进去。
- 本品保持在干燥环境下使用，若出气口有小水珠，应及时用尘布擦干。
- 更换气瓶时，必须先关闭气瓶阀门，冰杯模式下按住“Start”键排空连接管中的二氧化碳，然后再进行更换。

小贴士：若每天频繁使用则必须每天更换一次，若偶尔使用，则看到过滤棉有发黑或者出气口气压变小情况就应及时更换。



保修

1. 保修期为自购买之日起12个月。
2. 如在正常使用过程中发生损坏或故障，在保修期内免费维修。如果不能修理，将提供更换。
3. 仅限以下情况保修：
 - (a)因使用不当或不小心造成的故障和损坏；
 - (b)运输造成的损坏；
4. 在以下情况下，均不提供维修服务：
 - (a)非本公司制造的产品；
 - (b)客户拆卸产品或试图改造产品；
5. 如果不在保修范围内，维修时将收取运费和修理费。具体费用请联系客服。
6. 如果您有任何疑问或需要维修，请联系购买渠道客服进行指导。

问答

	问题	解析
1	是否可以连接其它气体	除液二氧化碳外， 严禁搭配其它任何气体使用。
2	电源线和气体连接管分别有多长	电源线292cm。常规的连接导管长度是143cm，也可根据需求，来定制长度。
3	冰杯和制作干冰可以同时进行吗	不可以，因为只有一个出气口，需单独进行。
4	可以在户外使用吗	可以，需要自备12VDC电源。
5	干冰可以直接食用吗	不能，干冰是二氧化碳的固体状态，温度大约在-70℃，直接食用可能会被冻伤，一般用作制冷和氛围装饰。
6	产品由什么材质组成	金属部位主要采用不锈钢304和抗氧化铝组成，非金属部位主要采由橡胶组成。

故障排除

使用过程中如出现异常情况，请立即停止使用，请勿自行拆卸机器维修。
请参考以下表格进行故障排除。如果下列常见方案不能解决 您的问题而需要维修，请联系售后
服务。

	问题	故障排除	解决方案
1	不能工作	气瓶阀门没有打开 电磁阀芯损坏; 干冰底座没有扣合; 冰杯开启器没有扣合。	打开阀门 更换电磁阀芯; 干冰底座扣合到位; 冰杯开启器扣合到位。
2	出气口的气流变小	滤芯堵塞 气瓶中 没有或只有少许二氧化碳	更换过滤棉 准备充足的二氧化碳
3	无法启动自动模式	电控板里面有异物	取出电控板，清理异物。

Contents

- WARNING 9
- Packing List..... 10
- Product Accessories 11
- Specifications 11
- Operation Guidance..... 12-13
- Function 14
- Maintenance..... 15
- Warranty..... 15
- FAQ..... 16
- Troubleshooting..... 16

WARNING

1. Please read the user manual thoroughly before using this product.
2. Please do not use this product as a toy. This product is not intended for use by persons (including children) with mental incapacabilities, or lack of experience and knowledge.
3. Please do not use this product if the power adapter or plug become damaged.
4. Please do not use other power adapters, please use the adapter included in the package to avoid accidents.
5. Please do not disassemble this product, improper installation may damage the product or lead to safety hazards.
6. Please do not use this product in or near environments with flammable or combustible gases.
7. Please do not pour liquid on the product, and do not immerse the product in liquid.
8. Do not connect any other gases. This product is only intended for use in connection with food-grade liquid carbon dioxide.
9. Do not disassemble the connection tube frequently. It is strictly prohibited to disassemble the connecting tube when the product is working or when the valve of the gas tank is open to avoid injury.
10. When the product is in operation, it is prohibited to place any part of the human body directly above the air outlet to avoid frostbite, and do not touch the dry ice and frozen parts directly with your hands for a long time to avoid frostbite.
11. Do not use it without installing the filter element in the gas inlet to avoid damaging the machine.
12. If this product does not work properly, please stop using it, and do not hesitate to contact us.

Packing List



Main Machine



Glass Chilling Switch



Dry Ice Mould



Dry Ice Mould Base



Connection Tube



Power Adapter



Tweezer



Filter Cotton Core



L-Type Wrench

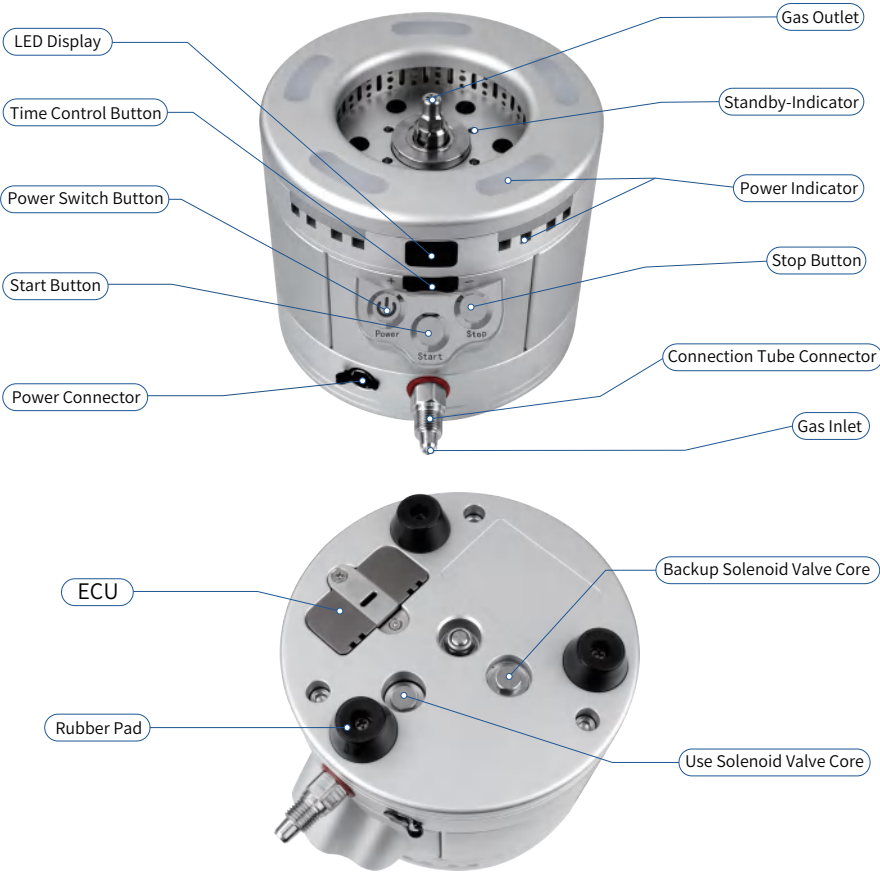


Screwdriver



Open-end Wrench

Product Accessories



Specifications

Input: DC 12V 5A

Power: 25W

Operation Guidance

1. Gas and Cylinder Requirements

- Gas requirements: food-grade liquid carbon dioxide.
- Gas cylinder type: concave mouth G5/8, volumes: 4L, 8L, 10L, 15L, 20L, 40L. Recommended to use aluminum cylinder tyed: cylinders with handles for easy movement.
- ① Cylinder with liquid withdrawal valve for regular use.
- ② Cylinder without liquid withdrawal valve need to be used upside down.

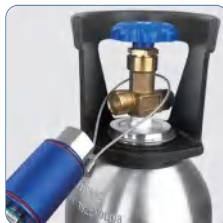


2. Cylinder Connection Preparation

- Connect the product with the connection tube, wrap the safety rope to the cylinder.
- Attach the large end of the connection tube to the cylinder, tighten it manually in a clockwise direction, and then tighten it with a open-end wrench.
- Attach the small end of the connection tube to the product gas inlet, tighten it manually in a clockwise direction, please notice do not bend the connection tube.
- Please use the adapter provided in the package and plug in the power supply. After the blue power indicator lights up, open the gas cylinder valve and connect it.

Checking there is no gas leakage and the product can be used normally.

The interface of the high-pressure pipe is a self-closing connection, which has the best sealing effect and is easy to use. It can be connected manually without using tools.



⚠ WARNING: It is prohibited to use other adapters to connect to the main unit to avoid accidents, please use the adapter included in the package.

3. Operating Steps

(1)Chilled Glass

Preparation

- Turn the glass chilling switch in a clockwise direction to install it on the main machine.
- Unscrew the gas cylinder valve counter clockwise.
- Place the cup with the mouth facing downward, directly above the gas outlet.

Operation Guidance



Mode Selection

① Manual Mode:

Click the switch button, click the "-" button to adjust the digital display to 00. After the 00 light flashes 3 times, press and hold the start button.

Place the mouth of the cup directly above the gas outlet channel. If there is frost in the cup, release the start button to end.

② Automatic Mode:

Click the power button, press the "+" "-" button to set up the cooling time, up to a maximum of 20 seconds. After setting the time, click and press the "Start" button, the countdown starts to work, if you need to stop in the process, click and press the "Stop" button.

⚠ WARNING: When the machine is working, it is strictly forbidden to put your hands at the gas outlet to avoid frostbite.

(2) Dry Ice Making

Preparation

- Place the dry ice mould onto the dry ice mould base.
- Place the dry ice mould and Mould base to the gas outlet of main machine, rotate the dry ice mould in a clockwise direction to install it on the main machine.



Mode Selection

① Manual Mode:

Click the switch button, click the "-" button, adjust the digital display to 00, after the 00 light flashes 3 times, click and hold the start button to start.

Making dry ice block, if you need to stop, release the "Start" button.

② Automatic Mode:

Click the power button, press the "+" "-" button to set up the working time, up to a maximum of 20 seconds. After setting the time, click and press the "Start" button, the countdown starts to work, if you need to stop in the process, click and press the "Stop" button.

- After finish making dry ice, remove the dry ice mould by rotating it counterclockwise, pour the dry ice block into a container after 3~5 seconds.

⚠ WARNING : After making the dry ice, do not touch the dry ice with bare hands and fingers to avoid frostbite.

Function

(1) Chilled Glasses

Feature

- Chilled glasses to enhance the taste of wine and drinks.
- Glassware are sterilized at low temperature to remove odors.

Regular Cup Type

Goblets,beer mugs,coffee mugs,juice glassware with various types of glass,crystal,ceramic cups.



Scenario Application



Bar/KTV/high-end club



Chain milk tea shop/beverage shop



Chain restaurant



Outdoor/Yacht

(2) Dry ice Making

Feature

Make dry ice quickly, no storage required, dry ice can be used to create atmosphere and preserve foods.

Picture Show



Wine&Drinks



Fruits



Sashimi



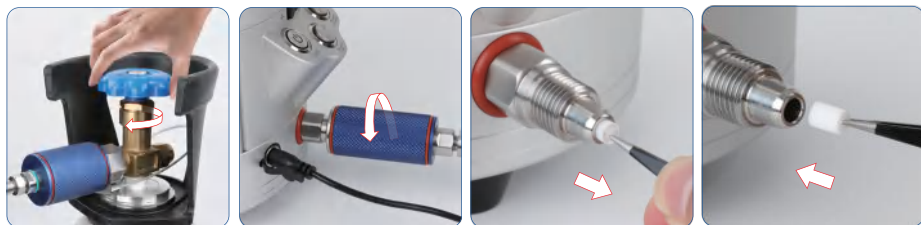
Fresh Food

Maintenance

Replacement of Filter Cotton Core

- Close the valve of the cylinder in the clockwise direction, click and press the power button, press the "Start" button, drain residual gas from the connection tube.
- Unscrew counterclockwise to remove the connection tube from the main unit.
- Use tweezer to remove the old filter cotton core.
- Use tweezer to place the new filter cotton core.
- The machine needs to be used in a dry environment. If water or moisture appears at the gas outlet, it needs to be wiped clean before use.
- When replacing the cylinder, cylinder valve must be closed and the CO₂ in the connection tube must be emptied by pressing the "Start" button in the glass chilling mode, Then replace it.

Tips: If you use machinery frequently, it is recommended to replace the filter cotton core every day. Otherwise, replace it in time when the filter cotton core is dirty or the gas pressure becomes low.



Warranty

1. The warranty period is 12 months from the date of purchase.
2. If damage or malfunction occurs during normal use, repairs will be free of charge during the warranty period. If repair is not possible, a replacement will be provided.
3. Warranty is granted only for the following:
 - (a) Failure and damage caused by misuse or carelessness.
 - (b) Damage caused by transportation.
4. Maintenance services are not provided for the following:
 - (a) The product is not manufactured by our company.
 - (b) Products disassembled or attempted to be modified by the customer.
5. If not covered by warranty, shipping and repair fees will be charged for repairs. Please contact customer service for specific charges.
6. If you have any questions or need maintenance, please contact the purchase channel customer service for guidance.

	Questions	Answers
1	Can other gas be used instead of liquid carbon dioxide?	Only liquid carbon dioxide can be used, other gas are strictly prohibited.
2	How long are the adapter power cord and connection tube?	The normal adapter power cord length is 9.6ft and the connecting tube length is 4.7ft. The length of the connecting tube and power plug can be customized.
3	Can the functions of chilling glass and making dry ice be used at the same time?	No, because there is only one gas outlet.
4	Can the product be used outdoors?	Yes, you need to bring a 12V DC power supply and liquid carbon dioxide.
5	Can dry ice be eaten directly?	No, dry ice is a solid form of carbon dioxide, with temperature of about -94F(-70°C) . It will cause frostbite if eaten directly. It is used for refrigeration, preservation and to create atmosphere.
6	What materials does machinery consist of?	The metal parts are mainly made of stainless steel 304 and anti-oxidation aluminum.

Troubleshooting

If any abnormality occurs during operation, please stop using it immediately and do not disassemble the machine for repair by yourself.

Please refer to the following list for troubleshooting. If the following common solutions do not solve your problem and repair is required, please contact Customer Service.

	Issue	Troubleshooting	Solution
1	Why does the airflow become smaller?	The liquid carbon dioxide cylinder switch is not opened;The solenoid switch solenoid valve core is damaged; The dry ice mould base is not engaged; The dry ice mould is not engaged.	Open the valve of the liquid carbon dioxide cylinder; replace the solenoid valve core and the dry ice mould base needs to be clicked in place; The dry ice mould switch needs to be clicked in place.
2	Why does the airflow become smaller?	The filter cotton core is clogged; There is not enough liquid carbon dioxide in the cylinder.	Replace the filter cotton core ; Replace with sufficient liquid carbon dioxide.
3	Why can't I use automatic mode?	There are impurities in ECU.	Check the ECU and clean out any impurities.