ICE MACHINES AVANTCO

User Manual

08/2023

Dry Ice Machine

Base Models:

#194CDIM50

Note:

Please read the manual thoroughly prior to equipment setup, operation, and maintenance.

An adapter is included in the product packaging. This adapter is only needed for applications in places other than North America.

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Countertop Dry Ice Machine

Table of Contents

Warnings

This product works with liquid CO2 only, do not use other compressed gas cylinders with high-pressure or non-liquid CO2. A liquid CO2 cylinder with siphon tube is required for effective delivery of liquid CO2. A non-liquid CO2 cylinder may be used if the tank is inverted (turned upside down). Install this product in a well-ventilated area to assist in venting excess CO2.

Dry Ice can cause burns or other injuries if not properly handled. Always use PPE such as gloves while handling dry ice.

Setup & Operation

NOTE: Do not use the dry ice machine when any part of it is wet.

1. Place unit on level surface that is a comfortable work height for operator.
2. Place steel wire for connection hose around the CO2 tank.
3. Add rubber seal rings to inside of connection hose nut, then connect to CO2 tank.
4. Tighten using hands, then use a wrench to tighten.
   NOTE: Do not overtighten.
5. Plug unit into appropriate 120V 5-15 outlet.
6. Screw ice tube into the unit.
7. Slowly open CO2 tank, ensuring no leaks in the system, then fully open CO2 tank.
8. Press and release the red power button to turn the unit on.
9. Press and release the blue operation button to start the dry ice production.
   NOTE: Do not press the blue button without the ice tube fully engaged.
10. After approximately 2-3 minutes, the dry ice will be formed in the ice tube.
11. Using gloves, unscrew the ice tube and remove the dry ice from the tube using gravity.
12. At business close, turn the unit off and close the CO2 tank.

CE

REPLACING CO2 CYLINDER

NOTE: When the machine does not make a complete dry ice block, this is an indication that it is time to change the cylinder.

1. Close the shut-off valve of the CO2 cylinder.
2. Press the head of the glass froster until all excess pressure is released.
3. Loosen the nut on the CO2 cylinder and remove the CO2 cylinder.
4. Replace with full CO2 cylinder.
5. Place steel wire for connection hose around the CO2 tank.
6. Add rubber seal rings to inside of connection hose nut, then connect to CO2 tank.
7. Tighten using hands, then use a wrench to tighten.
   NOTE: Do not overtighten.
8. Slowly open CO2 tank, ensuring no leaks in the system, then fully open CO2 tank.
9. Press down on the glass froster head to ensure equipment is operational.

Troubleshooting

Problem	Possible Solution
Long frosting time.	Replace the CO2 tank with a full tank.
Not frosting at all.	Replace the CO2 tank with a full tank.
Light is not working.	Replace worn batteries with new AA batteries.