



Vertical Open Merchandisers

User manual



Models: KMD-P1070U, KMD-P1370U

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



CONFORMS TO NSF/ANSI STD. 7
CONFORMS TO UL STD. 471

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Warnings

Danger: RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. TO BE REPAIRED ONLY BY TRAINED SERVICE PERSONNEL. DO NOT PUNCTURE REFRIGERANT TUBING.

Caution: CONSULT MANUAL BEFORE ATTEMPTING TO SERVICE THIS PRODUCT. ALL SAFETY PRECAUTIONS MUST BE FOLLOWED.

Installation

PLEASE READ BEFORE INSTALLATION

- If the unit has recently been transported on its side, please let the unit stand upright for a minimum of 24 hours before plugging it in.
- Make sure that there is proper ventilation around the unit in the area where it will operate.
- Make sure all accessories are installed (shelves, shelf clips etc.) before plugging the unit in.
- Make sure that the unit has reached the desired temperature before loading the unit with products. This unit is meant for keeping cold products cold, not chilling warm products.
- Do not attempt to remove or repair any component of the unit. Consult an authorized service technician for servicing/repair.
- The unit should be located away from doors, air ducts, and fans that could disrupt airflow and negatively impact performance.
- This unit is intended for use in a temperature-controlled environment at 55% relative humidity.

Open Merchandiser Location

Install the unit on a stable and level surface.

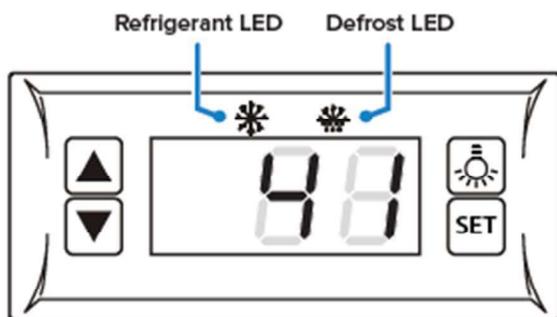
- If the surface isn't level, the unit may be noisy.
- The unit may malfunction if the surface is uneven.

Install the unit in an indoor, well-ventilated area.

- For best performance, maintain a clearance of 6" on the back of the unit.
- For indoor use only.
- Avoid direct sunlight.
- Avoid installation in a high-humidity and/or dusty area.
- Dust collected on the condenser coil will cause the unit to malfunction.
- Malfunctions due to temperatures above 75° Fahrenheit, humidity above 55%, or improperly maintained condenser coil will void the warranty.
- Select a location away from heat and moisture-generating equipment.
- Ambient temperatures above 75° Fahrenheit may cause the compressor to malfunction.

Digital Temperature Controller

Your new open merchandiser is already factory set to run at optimum temperatures for food safety and should require no adjustments.



Controller operation - Set temperature

- Press "Set" button, the set temperature is displayed
- Press the Up or Down arrows to change the temperature
- Press "Set" button to exit the adjustment and display the current temperature
- If no buttons are pressed for 10 seconds, the current temperature will be displayed.

Lights

- Press and hold the "Light" button to turn the lights "On" or "Off"

Manual Defrost

- Manual start/stop defrost, press "Light" button and hold for 6 seconds to defrost or to stop the defrost.

Refrigerant LED Icon

- When the compressor is running, the LED icon will illuminate
- When the temperature is constant, the LED icon will be off
- During the delay start, the LED icon flashes

Defrost LED Icon

- During the defrost cycle, the LED icon is on, when it stops the LED icon is off
- During delayed display for defrost, the LED icon flashes.

Defrost System

The display case has an automatic defrost system. Refrigeration coils are kept below the freezing point (32° Fahrenheit). During compressor downtime, the evaporator fan continues to circulate air through the evaporator coil. This air circulation raises the coil temperature above the freezing point, melting any accumulated frost. Run-off water is drained into the evaporator pan and evaporated. Automatic defrost timers automatically initiate at pre-set intervals and for a pre-determined duration.

Electrical

- Please ensure that the required voltage is always being supplied.
- The unit should be plugged into a grounded and properly sized electrical outlet with appropriate overcurrent protection. Please refer to the electrical requirements on the unit's nameplate.
- The unit should have its own dedicated outlet.
- Do not use extension cords
- Ensure the unit is not resting on or against the electrical cord.
- If the unit is not in use for a long period of time, please unplug the unit from the outlet.

- To avoid shock and fire hazards, do not plug in or unplug the unit with wet hands.
- After unplugging the unit, wait at least 10 minutes before plugging it back in, failure to do so could cause damage to the compressor.

Operation and Maintenance

Loading Product

- Do not block the air vents.
- Make sure there is at least 4" of clearance from the evaporator.
- Ensure all shelves are sitting level and properly secured before loading products.

Cleaning the Interior

- When cleaning the cabinet interior, use warm water and mild soap.
- Do not use steel wool, caustic soap, abrasive cleaners, or bleach.
- Periodically remove the shelves and shelf brackets from the unit and clean them with mild soap and warm water.

Cleaning the Fan Blades and Motor

- If necessary, clean the fan blades and motor with a soft cloth.
- If it's necessary to clean the fan blades, cover the fan motor to prevent moisture damage.

Cleaning the Condenser Coil

- For efficient operation, keep the condenser surface free of dust, dirt, and lint.
- We recommend cleaning the condenser coil at least once per month.
- A dusty condenser may lead to high energy consumption, less cooling effectiveness, and compressor damage.

Condenser Coil Cleaning Instructions – Located on the back behind the panel.

1. Disconnect the electrical power from the unit.
2. Remove the back cover and base cover with a screwdriver.
3. Using a soft brush or vacuum, remove the dirt, lint, etc. from the finned condenser coil in a vertical direction
4. Clean the condenser with a commercial condenser coil cleaner, available from any kitchen equipment retailer.
5. When finished, be sure to reinstall the back cover and base cover and reconnect the electrical power.

Safety

Pay close attention to the safety notices. Disregarding these notices may lead to serious injury and/or damage to the unit.

- To minimize shock and fire hazards, do not overload the outlet. Please designate one outlet for your unit.
- To minimize shock and fire hazards, please do not plug or unplug the unit with wet hands.
- During maintenance and cleaning, please unplug the unit.
- To minimize shock and fire hazards, make sure the unit is properly grounded.

Troubleshooting

Problem	Possible Solution
<p>The Unit is Making Noise Under the Bottom Shelf</p>	<p>Fan blade is broken Replace fan blade.</p>
<p>The Unit is not Cooling</p>	<p>Unit is turned off Turn unit on.</p> <p>Defrost cycle is running End defrost cycle.</p> <p>Refrigerant leaking Contact a licensed service technician.</p>
<p>High Cabinet Temperature Caused by Weak Air Flow</p>	<p>Evaporator coil is frosted over Run a manual defrost cycle.</p> <p>Fan is damaged Replace the fan.</p> <p>The set point on the controller is too high Set the controller to a lower temperature. The set temperature is the lowest temperature the refrigerator will reach.</p> <p>Air flow is blocked by product Rearrange or remove product to allow for complete air flow.</p>
<p>High Cabinet Temperature with Normal Air Flow</p>	<p>Refrigerant leaking Contact a licensed service technician.</p> <p>The set point on the controller is too high Set the controller to a lower temperature. The set temperature is the lowest temperature the refrigerator will reach.</p> <p>Expansion valve failed Contact a licensed service technician.</p> <p>The air curtain is being disturbed by strong air flow. Make sure the cabinet is located away from doors, windows, and other air vents.</p> <p>High ambient temperature or humidity This refrigerator is designed to perform in temperature-controlled environment up to 75°F and 55% relative humidity.</p>



One Year Limited Warranty

Berg warrants its equipment against defects in materials and workmanship, subject to the following conditions:

Berg is warranted for one year, effective from the date of purchase by the original owner. A copy of the original receipt or other proof of purchase is required to obtain warranty coverage. This warranty applies to the original owner only, and is not assignable.

Should any product fail to function in its intended manner under normal use within the limits defined in this warranty, at Berg's discretion, such product will be repaired, replaced with a refurbished unit, or replaced with a new unit by Berg, after defective unit has been inspected and defect has been confirmed. Berg does not assume any liability for extended delays in replacing any item beyond its control. This warranty does not apply to rubber and non-metallic synthetic parts that may need to be replaced due to normal usage, wear or lack of preventative maintenance.

This warranty covers products shipped into the 48 contiguous United States, Hawaii, and metropolitan areas of Alaska and Canada. Warranty coverage on products used outside the 48 contiguous United States, Hawaii and metropolitan areas of Alaska and Canada may vary.

The following conditions are not covered by warranty:

- Equipment failure relating to improper installation, improper utility connection or supply and problems due to improper ventilation.
- Equipment that has not properly been maintained, damage from improper cleaning, and water damage to controls.
- Equipment that has not been used in an appropriate manner, or has been subject to misuse, neglect, abuse, accident, alteration, negligence, damage during transit, delivery or installation, fire, flood, riot, or act of God.
- Equipment that has the model number or serial number removed or altered.
- Equipment on which the security seal has been broken.

If the equipment has been changed, altered, modified, or repaired without express written permission from Berg, then the manufacturer shall not be liable for any damages to any person or to any property, which may result from the use of this equipment thereafter.

This equipment is intended for commercial use only and this warranty is void if equipment is used in other than a commercial application.

For warranty and service call 888-585-9440. Please have your model number, serial number and proof of purchase ready.

“THE FOREGOING WARRANTY IS IN LIEU OF ANY AND ALL WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSES AND CONSTITUTES THE ENTIRE LIABILITY OF ACE. IN NO EVENT DOES THE LIMITED WARRANTY EXTEND BEYOND THE TERMS STATED HEREIN.”