

BLACK◆DIAMOND®



BDVACM-250



BDVACM-220



BDVACM-200

Instruction Manual

Vertical Air Curtain Merchandiser

This manual contains important information about your new unit.
Please read this manual carefully before set-up,
operation and maintenance.

WARNINGS

- To minimize shock and fire hazards, be sure not to over load the outlet. One outlet should be designated to the unit only.
- Do not use extension cords.
- Do not put hands under the unit when moving.
- When the unit is not being used for an extended period of time, unplug the unit from the outlet.
- After unplugging the unit, wait at least 10 minutes before re-plugging it. Failure to wait the allotted time may cause damage to the compressor.
- To minimize shock and/or fire hazards, be sure not to plug or unplug the unit with wet hands.
- Before any maintenance or cleaning, unplug the unit as a precaution.
- To minimize shock and fire hazards, make sure that the unit is properly grounded.
- Do not attempt to remove or repair any component.
- Make sure that the unit is not resting on or against the electrical cord or plug.
- Do not hang or lean against door as this may cause personal injury or damage to the door hinge.
- Do not store any flammable and/or explosive gas or liquids inside the unit.
- Do not attempt to alter or tamper with the electrical cord.
- Do not set the desired temperature out of the recommended temperature range: BDVACM-200&BDVACM-250: 30° F-45° F; BDVACM-220: 32° F-50° F.

INSTALLATION

BEFORE INSTALLING, PLEASE MAKE SURE:

- If the unit has recently been transported do not use for a minimum of 24 hours before installing.
- Make sure that the unit is at the desired temperature before loading it with product.
- Ensure that the unit will have proper ventilation in the area that it will operate.
- Inspect the unit to verify all accessories (shelves, shelf clips, casters) are equipped with the unit before proceeding with installation.
- Review the entire manual in its entirety. Lack of maintenance or misuse of the unit will void the warranty. Please fill out the registration card and send back to the manufacturer.

Cabinet Location Guidelines

- **Install the unit on a flat sturdy surface**
 - Unit may make abnormal noises if surface is uneven
 - Unit may malfunction if surface is uneven
- **Install the unit in an indoor, well-ventilated area**
 - Unit performs more efficiently in a well-ventilated area
 - Maintain a clearance of at least 4" for the back of the unit
 - Outdoor use may cause decreased performance and may damage the unit
- **Avoid installing the unit in a high humidity and/or dusty area**
 - Exposure to humidity may cause the unit to rust and/or decrease the efficiency of the unit.
 - Dust build up on the condenser coil will cause the unit to malfunction. Clean the condenser at least once a month with a brush or clean cloth. Neglect of maintenance will void the warranty.
- **Select a location away from heat and moisture generating equipment**
 - High ambient temperatures will cause the compressor to overcompensate, leading to higher energy bills and eventual break down of the unit.
 - Malfunction due to high temperatures will void the warranty.

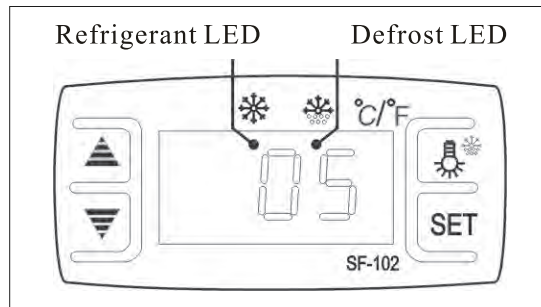
ELECTRICAL

Please ensure that the required voltage of the compressor is constant at all times. Low or high voltage can detrimentally affect the unit and there by void its warranty.

All units should be plugged into a grounded and properly-sized electrical outlet with an appropriate over current protection. Please refer to the electrical requirements on the serial tag located inside the unit. Please make sure that the unit has its own dedicated outlet. Do not use an extension cord.

TEMPERATURE CONTROLS

The temperature controls are factory set to maintain an average temperature of 36°F. To set a different temperature, adjust the control knob located inside the unit. To decrease the temperature press the down arrow. To increase the temperature press the up arrow.



OPERATIONS

Regulating the Temperature

Your new refrigerator is now manufactured to run at ideal temperatures for food quality and should not require any alterations. Refrigerators are set to cycle between a base temperature and a highest temperature (BDVACM-200&BDVACM-250: 30°F-45°F; BDVACM-220: 32°F-50°F).

Altering the temperature changes the base temperature your unit will keep running at. Your unit won't run always at this setting. To change it, follow these guidelines.

DIGITAL CONTROLS

Set temperature:

- Press "SET" button to display the current temperature
- Press the up or down arrow to set the temperature desired
- Press "SET" again to save settings

Illumination:

- Press "light bulb" button to turn lights on and off

Manual defrost:

- Press "light bulb" button and hold for 6 seconds to start and stop defrost cycle

Refrigerant LED Light:

- During refrigeration, the LED light will be on
- When temperature is constant, the LED light will be off
- During delay start, the LED light will flash

Defrost LED Light:

- During defrosting, the LED light will be on
- When defrosting is complete the LED light will turn off
- During delay display of the defrost cycle, the LED light will flash

REGULAR MAINTENANCE

Cleaning Condenser:

- For efficient operation, it is important that the condenser surface be kept free of dust, dirt, and lint.
- We recommend cleaning the condenser coil and fins at least once per month.
- Clean with a commercial condenser coil cleaner, available from any kitchen equipment retailer. Brush the condenser fins from top to bottom, not side to side.
- After cleaning, straighten any bent condenser fins with a fin comb.

CLEANING THE INTERIOR OF UNIT

- When cleaning the cabinet interior, use a solvent of warm water and mild soap
 - Do not use steel wool, caustic soap, abrasive cleaners, or bleach that may damage the stainless steel surface
 - We recommend cleaning the cabinet once a week
 - Disconnect power supply before cleaning
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TROUBLESHOOTING

Before requesting any service on the unit, please check the following chart. Service calls resulting from lack of maintenance or misuse are not covered under the warranty and may also void the warranty. Please note that this

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
Weak air from air curtain and higher cabinet temperature	Evaporator is iced up Inside fan damaged Thermostat set too low Vents blocked	Increase defrost frequency Replace fan Set thermostat to a higher temperature Remove obstructions
Normal air curtain and higher cabinet temperature	In sufficient refrigerant Thermostat set too high High ambient room temperature or humidity	Refill refrigerant Set thermostat to a lower temperature Lower the room temperature and remove humidity

TROUBLESHOOTING

Before requesting any service on the unit, please check the following chart. Service calls resulting from lack of maintenance or misuse are not covered under the warranty and may also void the warranty. Please note that this guide serves only as a reference for solutions to common problems.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
Flooding	Damaged heating pipe Water-level controller failure High ambient room temperature or humidity	Replace pipe Replace water-level controller Lower the room temperature and remove humidity
Normal air curtain, but fluctuating cabinet temperature	Dirty condenser Poor ventilation Compressor Heat Protector failure Capillary obstructed by ice Thermostat failure	Clean condenser Ensure there is adequate space around the unit Replace heat protector Replace drying filter Replace thermostat Replace fan blade
Noise under bottom shelf	Broken fan blade	Power off & replace
Non-refrigerating	Unit turned off Defrosting Refrigerant leak Unit failure	Power on Stop defrosting process Fix leak & refill refrigerant Call for service

NOTE: It is normal to hear the murmur of water when the refrigerator is working normally.



1-YEAR LIMITED WARRANTY

Admiral Craft Equipment Corp. (the "Company") warrants this product (the "Product") will be free from failures in material and workmanship for one (1) year from the date of original purchase with proof of purchase, provided that the Product is operated and maintained in conformity with the Owner's Manual. This Limited Warranty is non-transferable. During this period, your exclusive remedy is repair or replacement without charge of the Product or any component found to be defective at the Company's discretion. If the Product or any component is no longer available, the Company will replace it with a similar one of equal or greater value. This Limited Warranty is void if the Product is used with voltage other than 120 Volts. **THIS WARRANTY IS IN LIEU OF ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, PERFORMANCE, OR OTHERWISE, WHICH ARE HEREBY EXCLUDED. IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY DAMAGES, WHETHER DIRECT, INDIRECT, INCIDENTAL, FORESEEABLE, CONSEQUENTIAL, OR SPECIAL ARISING OUT OF OR IN CONNECTION WITH THIS PRODUCT INCLUDING DAMAGES ARISING FOR FOOD OR BEVERAGE SPOILAGE CLAIMS.**

You may have other legal rights depending upon where you live. Some States or Provinces do not allow limitations on warranties so the foregoing may not apply to you.

WARRANTY EXCLUSIONS

IMPROPER ELECTRICAL CONNECTIONS:

The Company is not responsible for the repair or replacement of failed or damaged components resulting from electrical power failure, the use of extension cords, low voltage, or voltage spikes to the Product.

IMPROPER USAGE:

This Limited Warranty does not cover failure or other damages to the Product resulting from (i) improper usage or installation or failure to clean and/or maintain the Product as set forth in the Owner's Manual; or (ii) accident, misuse, abuse, negligence, or modification or alteration of the Product.

CONSUMABLES:

This Limited Warranty does not include consumables or wear-and-tear items such as legs, feet, plastic component parts, splash shields, filters, gaskets, and non-stick cooking surfaces.

ADJUSTMENTS & CALIBRATIONS:

Leveling, tightening of fasteners, or utility connections normally associated with the original installation are the responsibility of the dealer, installer, or the end user and not the responsibility of the Company and will not be considered warranty issues.

If you think the Product has failed, or requires service, within its warranty period, please contact the Company's Customer Care Department through our website at: www.admiralcraft.com "Service" --> "Technical Support Request". A receipt proving the original purchase date will be required for all warranty claims, handwritten receipts are not accepted. You may also be required to return the Product for inspection and evaluation. Return shipping costs are not refundable. The Company is not responsible for returns lost in transit.

This Limited Warranty is Valid only in the USA and Canada.

