



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: (35.6°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.

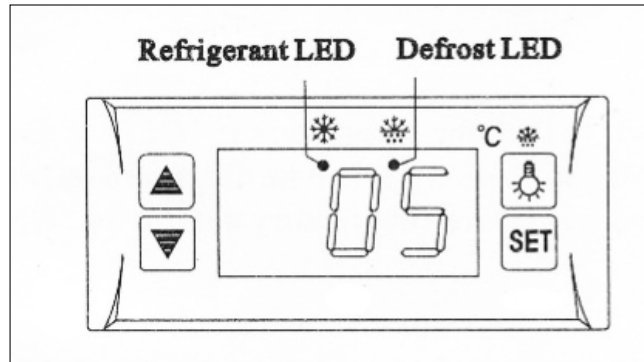
## ELECTRICAL

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 38 °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 of 35.6° degrees Fahrenheit and a highest temperature of 50° degrees Fahrenheit. 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

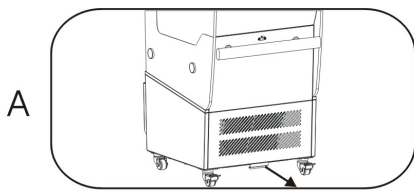
## REGULAR MAINTENANCE

### Cleaning Condenser:

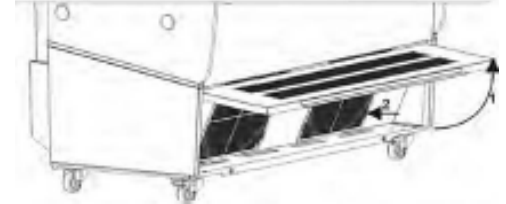
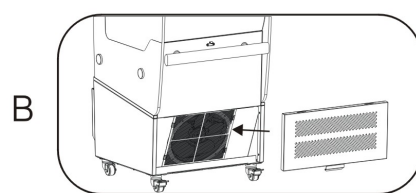
- For efficient operation, it is important that the condenser surface be kept free of dust, dirt, and lint.
- We recommend cleaning the condenser coil and fins at least once per month.
- Clean with a commercial condenser coil cleaner, available from any kitchen equipment retailer. Brush the condenser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

## CLEANING FILTER

- Ensure the unit has been disconnected from the power outlet
- Pull out the handle at the front bottom base panel (picture A)
- Remove front bottom base panel
- Remove filter for cleaning (picture B)



VACM-220L & VACM-250L



VACM-200L

## 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

## 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.

# ACE Equipment One Year Limited Warranty

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

ACE Equipment 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 ACE's discretion, such product will be repaired, replaced with a refurbished unit, or replaced with a new unit by ACE, after defective unit has been inspected and defect has been confirmed. ACE 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 ACE, 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 non-warranty related issues, technical support, please contact NSA at 1-877-672-7740. To purchase replacement parts and warranty registration visit [www.admiralcraft.com](http://www.admiralcraft.com). Please have your model number, serial number and proof of purchase ready. It is not necessary to contact the place where you originally purchased your product from.

“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.”

## WARRANTY REGISTRATION CARD

## MAIL CARD IMMEDIATELY



This card must be mailed immediately after installation date for warranty to be in effect.

National Service America • 230 Park Ave, Suite 1000 • New York, NY • 10169

\_\_\_\_\_  
(Name of Business) (Dealer Purchased From)

\_\_\_\_\_  
(Address) (City) (State) (Zip Code)

\_\_\_\_\_  
(Model Number) (Serial Number)

This is to inform that I, \_\_\_\_\_  
(Please print name of individual who owns business)

have had the above installed in my place of business \_\_\_\_\_  
(Date of Purchase)

\_\_\_\_\_  
(Contact Phone Number) (Contact E-mail) (Signature of Individual Who Owns Business)

December 2017  
The above warranties are in effect from this installation date, or 90 days, which ever comes first.