



Square Bakery Cases

Models:

Refrigerated Bakery Models

#224BC36SB	36" Black
#224BC36SW	36" White
#224BC48SB	48" Black
#224BC48SW	48" White
#224BC60SB	60" Black
#224BC60SW	60" White
#224BC72SB	72" Black
#224BC72SW	72" White

Dry Bakery Models

#224BCD36SB	36" Black
#224BCD36SW	36" White
#224BCD48SB	48" Black
#224BCD48SW	48" White
#224BCD60SB	60" Black
#224BCD60SW	60" White
#224BCD72SB	72" Black
#224BCD72SW	72" White

Note:

You should read this manual in its entirety prior to equipment setup, operation, and maintenance.

www.AvantcoRefrigeration.com

Warnings

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

PELIGRO – RIESGO DE INCENDIO O EXPLOSION. REFRIGERANTE INFLAMABLE UTILIZADO. PARA SER REPARADO SOLAMENTE POR PERSONAL DE SERVICIO CALIFICADO. NO PINCHAR LA TUBERÍA REFRIGERANTE.

DANGER – RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. CONFIER LES RÉPARATIONS À UN TECHNICIEN SPÉCIALISÉ. NE PAS PERFORER LA TUBULURE CONTENANT LE FRIGORIGÈNE.

CAUTION – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. CONSULT REPAIR MANUAL/ OWNER'S GUIDE BEFORE ATTEMPTING TO SERVICE THIS PRODUCT. ALL SAFETY PRECAUTIONS MUST BE FOLLOWED.

ATENCIÓN – RIESGO DE INCENDIO O EXPLOSIÓN. REFRIGERANTE INFLAMABLE UTILIZADO. CONSULTE EL MANUAL DE REPARACIÓN / GUÍA DEL PROPIETARIO ANTES DE INTENTAR DAR SERVICIO A ESTE PRODUCTO. DEBEN CUMPLIR CON TODAS LAS PRECAUCIONES DE SEGURIDAD.

ATTENTION – RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. CONSULTER LE MANUEL DU PROPRIÉTAIRE/GUIDE DE RÉPARATION AVANT DE TENTER UNE RÉPARATION. TOUTES LES MESURES DE SÉCURITÉ DOIVENT ÊTRE RESPECTÉES.

CAUTION – RISK OF FIRE OR EXPLOSION DUE TO PUNCTURE OF REFRIGERANT TUBING; FOLLOW HANDLING INSTRUCTIONS CAREFULLY. FLAMMABLE REFRIGERANT USED.

ATENCIÓN – RIESGO DE INCENDIO O EXPLOSIÓN DEBIDO A LA PERFORACION DE LA TUBERÍA REFRIGERANTE; SIGA LAS INSTRUCCIONES DE MANIPULACIÓN CON CUIDADO. REFRIGERANTE INFLAMABLE UTILIZADO.

ATTENTION – RISQUE DE FEU OU D'EXPLOSION SI LA TUBULURE CONTENANT LE FRIGORIGÈNE EST PERFORÉE; SUIVRE LES INSTRUCTIONS DE MANUTENTION AVEC SOIN. LE FRIGORIGÈNE EST INFLAMMABLE.

CAUTION – RISK OF FIRE OR EXPLOSION DUE TO FLAMMABLE REFRIGERANT USED. FOLLOW HANDLING INSTRUCTIONS CAREFULLY IN COMPLIANCE WITH LOCAL GOVERNMENT REGULATIONS.

ATENCIÓN – RIESGO DE INCENDIO O EXPLOSIÓN DEBIDO A REFRIGERANTE INFLAMABLE UTILIZADO. SIGA LAS INSTRUCCIONES DE MANIPULACIÓN CON CUIDADO CONFORME A LAS REGLAS DE LA MUNICIPALIDAD.

ATTENTION – RISQUE DE FEU OU D'EXPLOSION SI LE FRIGORIGÈNE EST INFLAMMABLE. SUIVRE LES INSTRUCTIONS DE MANUTENTION AVEC SOIN CONFORMÉMENT AUX RÈGLEMENTATION GOUVERNEMENTALE LOCAUX.

Structure & Components

Sliding Rear Glass Doors

Air Suction

(Refrigerated Only)

Never block the suction. Air is sucked in and cold air is circulated inside the refrigerator.

Casters



Merchandising Shelves

The height of the shelf is adjustable for various goods.

For Adjustment:

1. Take out the shelf.
2. Move the shelf support to suitable height.
3. Put the shelf on the supports.

Air Outlet

(Refrigerated Only)

Never block the air outlet. Let inside circulating cold air flow out.

Installation

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

This unit is intended for use in a temperature-controlled environment of less than 75 degrees Fahrenheit and 55% relative humidity. Malfunction due to improper conditions is not covered under warranty.

Important! 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 the unit has reached the desired temperature before loading the unit with products.
- Make sure that there is proper ventilation around the unit in the area where it will operate.
- Make sure all accessories are installed (i.e., shelves, shelf clips, casters) before plugging the unit in.
- Do not attempt to remove or repair any component of the unit. Consult an authorized service technician for servicing/repair.
- Do not sit or stand inside the unit.
- Please read through the manual in its entirety.
- The unit should be located away from doors, air ducts, and fans that could disrupt airflow and negatively impact performance.

Cabinet Location Guidelines

- Install the unit on strong and leveled surfaces.
 - If the surface is uneven, 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, please maintain clearance of 6" on the back of the unit.
 - Do not use outdoors. For indoor use only.
 - Avoid direct sunlight.
- Avoid installation in a high-humidity and/or dusty area.
 - Humidity above 55% can cause the unit to rust, collect condensation, and may decrease efficiency.
 - Dust collected on the condenser coil will cause the unit to malfunction.
 - Malfunctions due to temperatures above 75 degrees 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 degrees Fahrenheit may cause the compressor to malfunction.
 - Malfunctions due to ambient temperatures above 75 degrees Fahrenheit will void the warranty.
 - Do not install the unit inside a closet or alcove.

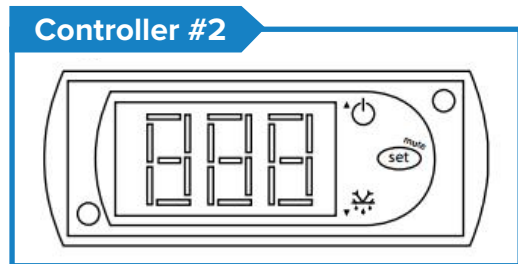
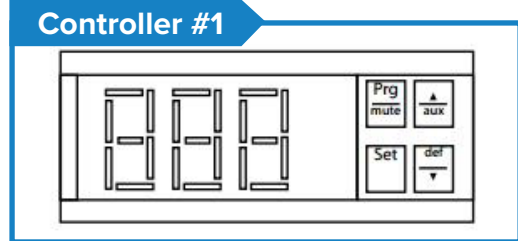
Temperature Controls

Adjusting the Temperature

- Your new refrigerator is already factory-set to run at optimum temperatures for food safety and should require no adjustments.
- Refrigerators are set to cycle between a minimum temperature of 33°F and a maximum temperature of 40°F.
- Adjusting the temperature changes the minimum temperature at which your unit will run. Your unit will not run constantly at this setting. To change it, follow these instructions:

Digital Control Units

1. Hold "SET" for 1 second. The display will flash the current minimum temperature.
 2. Use the arrow buttons to adjust the minimum temperature you'd like the unit to run at.
 3. Press "SET" again to save your settings.
- Always remember to calculate the differential if you change the minimum temperature setting. The cabinet temperature will fluctuate up to 7°F over your set minimum temperature as the compressor runs and shuts off. Setting the temperature too high will result in unsafe maximum temperatures and possible health code violations.



Defrost System

Automatic Defrost Cycle

- Refrigerator coils are kept below the freezing point (32°F).
- 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 initiate at pre-set intervals and for a predetermined duration.

Running a Manual Defrost Cycle

- Units are preprogrammed to run automatic defrost cycles at preset intervals. However, if you would like to run a manual defrost cycle at any time, follow the steps below. Only models with digital controls can run a manual defrost cycle. Units with mechanical controls cannot run a manual defrost cycle.
- Press the defrost button ("DEF" and ▼) for approximately 5 seconds. Repeat to stop the defrost cycle.
- If your cooler utilizes wicking pads for absorption of condensation, it is recommended that the pads (22477146) be replaced every 4 to 6 months depending on the ambient temperature and relative humidity of the environment.
- If water is leaking from the cabinet, check that the wicking pads have recently been changed.
- Controller #1: Press the defrost button ("DEF" and ▼) for approximately 5 seconds. Repeat to stop the defrost cycle.
- Controller #2: Press the defrost button (Snowflake and ▼) for approximately 3 seconds. Repeat to stop the defrost cycle.

Operation/Maintenance

DISCONNECT POWER CORD BEFORE CLEANING ANY PARTS OF THE UNIT.

NOTE: It is strongly recommended that any servicing of the unit be performed by an authorized service technician.

Loading the Product

- Do not block the air vents.
- Ensure all shelves are sitting level and properly secured before loading products.
- Do not store flammable and explosive gas or liquids inside the unit.

Cleaning the Fan Blades and Motor

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

Cleaning the Interior of the 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 interior finish.
- Periodically remove the shelves and shelf brackets from the unit and clean them with mild soap and warm water.

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

The condenser coil is located at the bottom behind the panel.

1. Disconnect the electrical power from the unit.
2. Remove the front cover and base cover with a screwdriver.
3. Using a soft brush and/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. Ex: Noble Chemical Tech Line.
5. After cleaning, straighten any bent condenser fins with a fin comb.
6. When finished, be sure to reinstall the front cover and base cover.
7. Reconnect the electrical power to the unit.

Safety & Warning

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

- To minimize shock and fire hazards, be sure to not overload outlet. This unit should be given its own outlet.
- DO NOT use extension cords.
- DO NOT put your hands under the unit while it is being moved.
- When the unit is not in use for a long period of time, unplug the unit from the outlet.
- After unplugging the unit, wait at least 10 minutes before plugging it back in. Failure to do so could cause damage to the compressor.
- To minimize shock and fire hazards, do not plug or unplug the cord with wet hands.
- Unplug the unit before performing maintenance or cleaning.
- To minimize shock and fire hazards, make sure that the unit is properly grounded.
- DO NOT attempt to remove or repair any component unless instructed by the factory.
- DO NOT allow the unit to rest on or against the electrical cord and/or plug.
- DO NOT hang on the doors.
- DO NOT store any flammable/explosive gas or liquids inside the unit.
- DO NOT attempt to alter or tamper with the electrical cord.
- DO NOT use the unit if the power cord is damaged.

Troubleshooting

Problem	Possible Cause	Possible Solution
Compressor not running.	Fuse blown or circuit breaker tripped.	Replace fuse or reset circuit breaker.
	Power cord unplugged.	Plug in power cord.
	Thermostat set too high.	Set thermostat to lower temperature.
	Cabinet in defrost cycle.	Wait for defrost cycle to finish.
Unit is making noise under the bottom shelf.	Fan blade is broken.	Replace fan blade.
Unit is not cooling.	Unit is turned off.	Turn unit on.
	Defrost cycle is running.	End defrost cycle.
	Refrigerant leaking.	Contact a licensed service technician.
High cabinet temperature caused by weak air flow.	Evaporator coil is frosted over.	Run a manual defrost cycle.
	Fan is damaged.	Replace the fan.
	The set point on the controller is too high.	Set the controller to a lower temperature. The set temperature is lowest temperature the refrigerator will reach.
	Air flow is blocked by product.	Rearrange or remove product to allow for complete air flow.
High cabinet temperature with normal air flow.	Refrigerant leaking.	Contact a licensed service technician.
	The set point on the controller is too high.	Set the controller to a lower temperature. The set temperature is lowest temperature the refrigerator will reach.
	Expansion valve failed.	Contact a licensed service technician.
	The air curtain is being disturbed by strong air flow.	Make sure the cabinet is located away from doors, windows, and other air vents.
	High ambient temperature or humidity.	The refrigerator is designed to perform in a temperature-controlled environment up to 75°F and 55% relative humidity.
Cabinet temperature is fluctuating.	Condenser coil is dirty.	Clean the condenser coil.
	Unit has improper air flow.	Make sure the unit has at least 6" of clearance on the back and that the front vents are not obstructed.
	Expansion valve blocked or failed.	Contact a licensed service technician.
	Temperature controller failed.	Contact a licensed service technician.
	Low refrigerant levels.	Contact a service technician to check refrigerant levels.
Condensation is collecting on the cabinet and/or floor.	Wicking pads need changed.	Change wicking pads.
	Relative humidity is above 55%.	Move unit to area below relative humidity or lower humidity level.
	Wicking pads have been changed and/or drainage pipe is connected properly.	Contact a licensed service technician.