



VOLLRATH 40842 Refrigerated Display Cases Instruction Manual

[Home](#) » [VOLLRATH](#) » VOLLRATH 40842 Refrigerated Display Cases Instruction Manual 



Outperform everyday™
Operator's Manual
Refrigerated Display Cases



Drop-in Case



Curved Case



Self-Serve Curved Case



Cubed Case

Contents

| | |
|------|--|
| 1 | 40842 Refrigerated Display Cases |
| 2 | SAFETY PRECAUTIONS |
| 3 | FUNCTION AND PURPOSE |
| 4 | UNPACK THE EQUIPMENT |
| 5 | COUNTERTOP MODEL INSTALLATION |
| 6 | DROP-IN MODEL INSTALLATION |
| 7 | FEATURES AND CONTROLS |
| 8 | OPERATION |
| 9 | CLEANING |
| 10 | PREVENTATIVE MAINTENANCE |
| 11 | TROUBLESHOOTING |
| 12 | SERVICE AND REPAIR |
| 13 | WARRANTY STATEMENT FOR THE VOLLRATH CO. L.L.C. |
| 14 | Documents / Resources |
| 14.1 | References |

40842 Refrigerated Display Cases

Thank you for purchasing this Vollrath equipment. Before operating the equipment, read and familiarize yourself with the following operating and safety instructions. **SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.** Save the original box and packaging. Use this packaging to ship the equipment if repairs are needed.

SAFETY PRECAUTIONS

To ensure safe operation, read the following statements and understand their meaning. This manual contains safety precautions which are explained below. Please read carefully.



WARNING

Warning is used to indicate the presence of a hazard that will or can cause severe personal injury or death.



CAUTION

Caution is used to indicate the presence of a hazard that will or can cause minor or major personal injury if the caution is ignored.

NOTICE: Notice is used to note information that is important but not hazard-related.

To reduce risk of injury or damage to the equipment:

- Use only grounded electrical outlets matching the nameplate rated voltage.
- Have a qualified person install the equipment in accordance with local codes and ordinances.
- Use equipment in a flat, level position.
- Do not use an extension cord with this equipment. Do not plug equipment into a power strip or multi-outlet power cord.
- Unplug equipment and turn off before cleaning or moving.
- Do not spray controls or outside of equipment with liquids or cleaning agents.
- Do not clean the equipment with steel wool.
- Keep equipment and power cord away from open flames, electric burners or excessive heat.
- Do not operate unattended.
- Do not operate equipment in public areas and/or around children.
- Do not operate if equipment has been damaged or is malfunctioning in any way.

| Item No. | Model | Description | | Voltage | Amps | HP | Hz | Plug |
|-----------------------|---------|------------------------------|-----|---------|------|-----|-------|--------------------|
| 40842 | RDE7136 | Drop-In | 36" | 120 | 3.4 | 1/5 | 60 | NEMA 5-1 5P |
| 40843 | RDE7148 | | 48" | | 4.2 | 1/4 | | |
| 40844 | RDE7160 | | 60" | | 4.4 | | | |
| 4084205 | RDE1136 | | 36" | 220-240 | 2.2 | 3/8 | 50/60 | UK/ Schuko/ China* |
| 4084305 | RDE1148 | | 48" | | 2.8 | 1/2 | | |
| 4084405 | RDE1160 | | 60" | | | | | |
| 40852 | RDE8136 | Countertop Curved | 36" | 120 | 3.6 | 1/5 | 60 | NEMA 5-1 5P |
| 40853 | RDE8148 | | 48" | | 4.6 | 1/4 | | |
| 40854 | RDE8160 | | 60" | | 4.9 | | | |
| 4085205 | RDE1236 | | 36" | 220-240 | 2.6 | 3/8 | 50/60 | UK/ Schuko/ China* |
| 4085305 | RDE1248 | | 48" | | 3.1 | 1/2 | | |
| 4085405 | RDE1260 | | 60" | | 3.3 | | | |
| 40862 | RDE8236 | Countertop Cubed | 36" | 120 | 3.9 | 1/4 | 60 | NEMA 5-1 5P |
| 40863 | RDE8248 | | 48" | | 5.0 | | | |
| 40864 | RDE8260 | | 60" | | 6.0 | 1/3 | | |
| 4086205 | RDE1336 | | 36" | 220-240 | 2.8 | 3/8 | 50/60 | UK/ Schuko/ China* |
| 4086305 | RDE1348 | | 48" | | 3.3 | 1/2 | | |
| 4086405 | RDE1360 | | 60" | | 3.7 | | | |
| 40880 | RDE8336 | Self-Serve Countertop Curved | 36" | 120 | 4.2 | 1/4 | 60 | NEMA 5-1 5P |
| 40881 | RDE8348 | | 48" | | 7.4 | 1/3 | | |
| 40882 | RDE8360 | | 60" | | 8.1 | | | |
| 4088005 | RDE1436 | | 36" | 220-240 | 3.4 | 1/4 | 50/60 | UK/ Schuko/ China* |
| 4088105 | RDE1448 | | 48" | | 5.2 | 1/3 | | |
| 4088205 | RDE1460 | | 60" | | 5.4 | | | |
| 40886 | RDE8436 | Self Serve Countertop Cubed | 36" | 120 | 4.3 | 1/4 | 60 | NEMA 5-1 5P |
| 40887 | RDE8448 | | 48" | | 7.6 | 1/3 | | |
| 40889 | RDE8460 | | 60" | | 8.2 | | | |
| 4088605 | RDE1536 | | 36" | 220-240 | 3.9 | 3/8 | 50/60 | UK/ Schuko/ China* |
| 4088705 | RDE1548 | | 48" | | 4.8 | 1/3 | | |
| 4088905 | RDE1560 | | 60" | | 5.0 | | | |

Please register your product at Vollrath.com

FUNCTION AND PURPOSE

This equipment is designed for illuminated display of food products at temperatures between 32°F (0°C) and 68°F (20°C). This equipment is intended and designed to keep chilled food at proper serving temperatures while it is displayed for sale. Food must be prepared and placed in display cabinets at proper serving temperatures. Display cases not intended or designed to cool or chill food. They are not intended for overnight storage of perishable food. They are not intended for household, industrial or laboratory use.

UNPACK THE EQUIPMENT

If the unit has been transported in a non-vertical position allow at least one hour before operating.

1. Remove all packing material and tape, as well as any protective plastic from the equipment.
2. Remove bolts that secure the equipment to the pallet.
3. Remove any glue residue left over from the plastic or tape.
4. Clean the equipment before use. See Cleaning procedure in this document.

COUNTERTOP MODEL INSTALLATION

Clearance Requirements

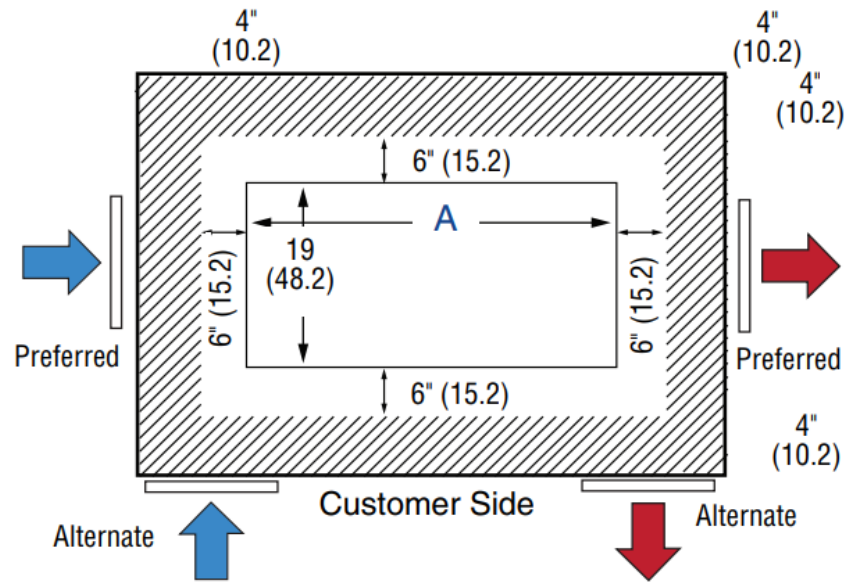
- Countertop cases require a minimum of 4" (10.2 cm) between the equipment and any surrounding walls. Surrounding walls must be made of non-combustible materials.

Installation

1. Place the equipment on a flat stable surface.
2. Plug the equipment into a properly grounded electrical supply matching the nameplate rating. Damage to the equipment can occur if incorrect power is supplied to equipment.
NOTICE: Using a voltage other than the nameplate rated voltage will cause damage to the unit. Incorrect voltage, modification to the power cord or electrical components can damage unit and will void the warranty.
3. After the installation is complete the thin breather wires on the top of the side glass panels may be trimmed and crimped closed.

DROP-IN MODEL INSTALLATION

Clearance, Cutout and Ventilation



- Drop-in cases require a minimum of 4" (10.2 cm) of non- combustible countertop to support the unit and a minimum of 6" (15.2 cm) clearance on all sides of the drop-in for proper air circulation.
- Drop-in case requires a minimum of 80 square inches for fresh air intake and a minimum of 80 square inches for exhaust. Customer supplied louvers must be installed in the surrounding cabinet to ensure adequate ventilation. One intake and one discharge louver are required. Preferred louver location is the short ends of the cabinet.

Installation

1. Choose a flat, level countertop for the mounting surface.
2. Measure the area for the cutout. See above drawing.

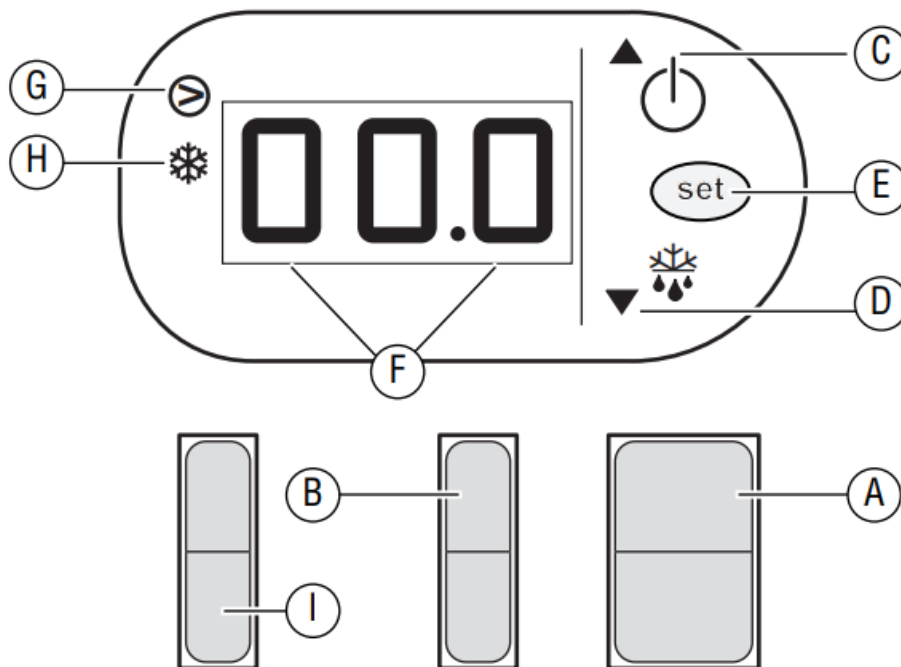
| Display Cabinet | A |
|-----------------|----------------|
| 36" | 34" (86.3 cm) |
| 48" | 45" (114.3 cm) |
| 60" | 58" (147.3 cm) |

3. Seal the base of the unit to the countertop with food-grade silicone seal.
4. Plug the equipment into a properly grounded electrical supply matching the nameplate rating. Damage to the equipment can occur if incorrect power is supplied to equipment.

NOTICE: Using a voltage other than the nameplate rated voltage will cause damage to the unit. Incorrect voltage, modification to the power cord or electrical components can damage unit and will void the warranty.

5. After the installation is complete the thin breather wires on the top the side glass panels may be trimmed and crimped closed.

FEATURES AND CONTROLS



A Main Power Switch. Illuminated switch turns the power ON or OFF to the equipment.

B Light Switch. Switches the lights ON or OFF.

C Multi-Function Button. Depending on the mode this button turns the power ON or OFF to the controller or increases the temperature.

D Multi-Function Button. Depending on the mode this button activates the defrost function or decreases the temperature.

E Set Button. Switches the temperature setting mode ON or OFF.


F Display. Displays the current temperature or the temperature being programmed.

G Compressor Cycle Light. Illuminates steadily when the compressor is running. Flashes when the compressor is in the delay cycle, this lasts for about two minutes and is a normal part of compressor cycling.

H Defrost Light. Flashes when the equipment is in the defrost mode.

I Glass Heater Switch. Available on countertop display cases with only operator side access. Not available on drop-in cases or cases with customer-side (self-serve) access. Switches the glass defrost ON or OFF.

OPERATION

| | |
|---|--|
|  | <p>WARNING</p> |
| | <p>Electrical Shock Hazard Keep water and other liquids from entering the inside of the equipment. Liquid inside the equipment could cause an electrical shock.</p> |
| <p>Do not spray the unit or controls with water or cleaning products. Liquid could contact the electrical components and cause a short circuit or an electrical shock. Do not use unit if power cord is damaged or has been modified.</p> | |

NOTICE: Before using, clean this equipment as described in the CLEANING section of this document.

NOTICE: Allow the display case to chill for approximately 30 minutes before placing food into the case.

NOTICE: Food must be prepared and placed in display cases at proper serving temperatures. This equipment is not intended or designed to cool or chill food. Regularly check the food temperature.

NOTICE: Monitor food temperature closely for food safety. The United States Public Health Service recommends that hot food be held at a minimum of 140 °F (60 °C) to help prevent bacteria growth.

Bottom Shelf Weight Capacity

Weight must be distributed evenly over the bottom shelf.

| 36" models | 48" models | 60" models |
|----------------------|----------------------|----------------------|
| 40 lbs. (18.1 Kg) | 48 lbs. (21.7 Kg) | 55 lbs. (24.9 Kg) |

Prepared, Cold Food Display Use

1. Switch the main power switch to the ON position.
2. Switch the light switch to the ON position if desired.

Turn on the Controller

Press and hold the multi-function button for three seconds. When the display shows a temperature, the controller is ON and will refrigerate.

Set the Temperature

1. Press and hold the set button for two seconds. The controller is now switched ON. The display flashes the programmed temperature.
2. To adjust the temperature, press the multi-function button to increase the temperature, or press the down button to decrease the temperature.
3. Press the set button. The number display is constant, showing the current temperature.
4. The unit will now operate to the set temperature.
5. Allow the display case to chill for approximately 30 minutes before placing food into the case.

Glass Heater (defrost) Function

1. Switch the glass heater switch to the ON position.
2. When glass has defrosted, switch the glass defrost switch to the OFF position.

Case Defrost Function

1. Press and hold the multi-function button for three seconds. The defrost cycle will begin and the defrost light will flash. The defrost cycle takes approximately two hours.
2. To manually stop, press and hold the multi-function button for three seconds. The defrost cycle will end.

Ambient Temperature, Non-Chilled Display Use

1. Turn the controller to the OFF mode.
2. Press and hold the multi-function button for three seconds. When the number display flashes "OFF", the controller is in the OFF mode and will not refrigerate. The unit may be used for ambient temperature display.

CLEANING



⚠ WARNING

Electrical Shock Hazard

Keep water and other liquids from entering the inside of the equipment. Liquid inside the equipment could cause an electrical shock.

Do not spray the unit or controls with water or cleaning products. Liquid could contact the electrical components and cause a short circuit or an electrical shock. Do not use unit if power cord is damaged or has been modified.

NOTICE: Do not use cleaning products containing aggressive chemicals, acids, or that contain chlorine. To maintain the appearance and increase the service life, clean your equipment daily.

1. Unplug the equipment.
2. Use a damp cloth or sponge dipped in soapy water to clean the equipment; rinse and dry thoroughly.
3. A high quality non-toxic glass cleaner may be used to clean the glass components of the unit.
4. Periodically remove the rear panel and clean the coil fins with a stiff brush.

PREVENTATIVE MAINTENANCE

Have a qualified person clean the condenser coils, evaporator and fans twice a year or as necessary.

TROUBLESHOOTING

| Problem | Might be Caused By | Course of Action |
|---|---|---|
| No power to the equipment. | Faulty outlet. | Have a qualified person replace the outlet. |
| | Circuit breaker tripped. | Reset the circuit breaker. |
| | Compressor in “delay” cycle. | Wait two minutes for compressor to run. |
| Compressor does not run. | Faulty controller. | Have a qualified person repair the equipment. |
| | Faulty compressor. | |
| | Faulty compressor starter or capacitor. | |
| Compressor runs, temperature inside too warm. | Ambient temperature too high. | Lower ambient temperature. |
| | Excessive ice/frost build up on evaporator. | Use manual defrost function. |
| | Faulty controller. | Use manual defrost function. |
| | Dirty or faulty condenser fan. | |
| | Dirty or faulty evaporator fan. | |

SERVICE AND REPAIR

Serviceable parts are available on Vollrath.com.

To avoid serious injury or damage, never attempt to repair the unit or replace a damaged power cord yourself. Do not send units directly to

The Vollrath Company LLC. Please contact Vollrath Technical Services for instructions.

When contacting Vollrath Technical Services, please be ready with the item number, model number (if applicable), serial number, and proof of purchase showing the date the unit was purchased.

WARRANTY STATEMENT FOR THE VOLLRATH CO. L.L.C.

This warranty does not apply to products purchased for personal, family or household use, and The Vollrath Company LLC does not offer a written warranty to purchasers for such uses.

The Vollrath Company LLC warrants the products it manufactures or distributes against defects in materials and workmanship as specifically described in our full warranty statement. In all cases, the warranty runs from the date of the end user's original purchase date found on the receipt. Any damages from improper use, abuse, modification or damage resulting from improper packaging during return shipment for warranty repair will not be covered under warranty.

For complete warranty information, product registration and new product announcement, visit www.vollrath.com.



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Part No. 2350087-1 ml

6/27/16



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40842 Refrigerated Display Cases, 40842, Refrigerated Display Cases, Display Cases, Cases

References

- [Commercial Foodservice & Kitchen Equipment | Vollrath Foodservice](#)
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- [User Manual](#)

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