

Randell RP-DRP001

Randell RP-DRP001 Evaporator Coil Drain Pan Instruction Manual

Model: RP-DRP001

Brand: Randell

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Randell RP-DRP001 Evaporator Coil Drain Pan. This component is a genuine OEM replacement part designed to fit and function precisely within Randell commercial refrigeration systems. Its primary purpose is to collect condensate from the evaporator coil, ensuring efficient and hygienic operation of the refrigeration unit.

2. SAFETY INFORMATION

Always prioritize safety when working with refrigeration equipment. Failure to follow safety guidelines can result in injury or damage to equipment.

- **Disconnect Power:** Before attempting any installation, maintenance, or inspection, ensure the refrigeration unit's power supply is completely disconnected and locked out to prevent accidental startup.
- **Wear Protective Gear:** Use appropriate personal protective equipment (PPE) such as gloves and eye protection.
- **Handle with Care:** The drain pan may have sharp edges. Handle it carefully to avoid cuts.
- **Consult a Professional:** If you are unsure about any step of the installation or maintenance process, consult a qualified refrigeration technician.

3. PRODUCT OVERVIEW

The Randell RP-DRP001 is a 24 x 8 inch evaporator coil drain pan, manufactured to OEM specifications. It is designed to collect water condensed from the air by the evaporator coil and direct it to a drainage system, preventing water accumulation within the refrigeration unit.

3.1. Key Features

- Genuine OEM replacement part for guaranteed compatibility and fit.
- Constructed for durability and reliable performance.
- Designed to maintain the integrity and warranty of your equipment.

3.2. Product Images



Figure 1: Top-down view of the Randell RP-DRP001 Evaporator Coil Drain Pan, showing its rectangular shape and central drain hole.



Figure 2: Angled view of the Randell RP-DRP001 Evaporator Coil Drain Pan, highlighting its shallow depth and sloped interior towards the drain.



Figure 3: Side view of the Randell RP-DRP001 Evaporator Coil Drain Pan, illustrating its elongated form and the slight incline for drainage.



Figure 4: Another angled perspective of the Randell RP-DRP001 Evaporator Coil Drain Pan, providing a comprehensive view of its design.

4. INSTALLATION INSTRUCTIONS

This section outlines the general procedure for replacing an evaporator coil drain pan. Specific steps may vary depending on the refrigeration unit model.

1. **Prepare the Unit:** Ensure the refrigeration unit is powered off and disconnected from its power source. Allow the unit to cool down if it was recently operating.
2. **Access the Evaporator Area:** Carefully remove any panels or covers necessary to gain access to the evaporator coil and the existing drain pan.
3. **Remove Old Pan:** Disconnect any drain lines attached to the old pan. Carefully unseat and remove the old drain pan. Note its orientation and how it was secured.
4. **Clean Area:** Clean the area where the new pan will be installed, removing any debris, ice, or residue.
5. **Install New Pan:** Position the new Randell RP-DRP001 drain pan in the same orientation as the old one. Ensure it is properly seated and level, allowing for effective drainage.
6. **Connect Drain Line:** Reconnect the drain line to the new pan, ensuring a secure and leak-free connection.
7. **Restore Access:** Replace all panels and covers that were removed.
8. **Test for Leaks:** Restore power to the unit. Monitor the drain pan during operation to ensure proper condensate collection and drainage without leaks.

5. OPERATION

The Randell RP-DRP001 Evaporator Coil Drain Pan operates passively within the refrigeration system. Once installed, it continuously collects condensate that forms on the evaporator coil as air passes over it. The pan's design facilitates the flow of this water towards the drain outlet, preventing accumulation and potential damage or unsanitary conditions within the unit. No user interaction is required for its daily operation.

6. MAINTENANCE

Regular maintenance of the drain pan is crucial for the efficient and hygienic operation of your refrigeration unit.

- **Routine Inspection:** Periodically inspect the drain pan for any signs of cracks, corrosion, or blockages. Check the drain line for obstructions.
- **Cleaning:** Clean the drain pan regularly to prevent the buildup of slime, mold, algae, or other debris. Use a mild, food-safe cleaning solution if applicable, and rinse thoroughly. Ensure the drain hole is clear.
- **Check for Leaks:** During inspections, look for any signs of water leakage around the pan or drain connections. Address any leaks promptly.
- **Clear Blockages:** If water is not draining properly, the drain line or pan outlet may be blocked. Clear any obstructions carefully.

7. TROUBLESHOOTING

This section addresses common issues that may arise with the evaporator coil drain pan.

- **Water Leaking from Unit:**
 - **Possible Cause:** Drain pan improperly seated or cracked.
 - **Solution:** Inspect the pan for damage and ensure it is correctly installed. Replace if cracked.
 - **Possible Cause:** Drain line disconnected or clogged.
 - **Solution:** Reconnect the drain line securely. Clear any blockages in the drain line.
- **Excessive Ice Buildup in Pan:**
 - **Possible Cause:** Drain line frozen or blocked, preventing water from draining.
 - **Solution:** Defrost the unit and clear the drain line. Ensure proper defrost cycle operation.
 - **Possible Cause:** Refrigeration system issues causing excessive condensation or inadequate defrost.
 - **Solution:** Consult a qualified technician to diagnose and repair the refrigeration system.

8. SPECIFICATIONS

Detailed specifications for the Randell RP-DRP001 Evaporator Coil Drain Pan.

Specification	Detail
Brand Name	Randell
Model Info	RPDRP001
Part Number	RP-DRP001
Product Dimensions	8 x 8 x 36 inches (Note: This appears to be shipping dimensions, actual pan is 24x8)
Item Weight	10.1 ounces
Color	Stainless Steel
Manufacturer	Randell
UPC	790149956695

9. WARRANTY AND SUPPORT

The Randell RP-DRP001 is a genuine OEM replacement part. Using genuine OEM parts helps ensure compatibility and often helps maintain the warranty of your primary refrigeration equipment. For specific warranty details regarding the drain pan itself or for technical support, please refer to the documentation provided with your original Randell refrigeration unit or contact Randell customer service directly.

For further assistance, please contact your authorized Randell service provider or visit the official Randell website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question