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› [Racold](#) /

› Racold CDR DLX 10L Water Heater User Manual

Racold CDR DLX 10V 2KW WH

Racold CDR DLX 10L Water Heater User Manual

Model: CDR DLX 10V 2KW WH

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Racold CDR DLX 10L Water Heater. Please read these instructions carefully before using the appliance and retain them for future reference. Proper adherence to these guidelines will ensure optimal performance and longevity of your water heater.

2. SAFETY INFORMATION

Your safety and the safety of others are paramount. Please observe all safety warnings and precautions outlined in this manual. Failure to do so may result in injury or damage to the appliance.

- Ensure the water heater is installed by a qualified technician in accordance with local regulations and this manual.
- Do not operate the water heater if it is damaged or malfunctioning. Contact authorized service personnel immediately.
- Always disconnect the power supply before performing any maintenance or cleaning.
- Do not block the pressure relief valve. Regular checks are necessary to ensure it is not obstructed.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

3. PRODUCT OVERVIEW

The Racold CDR DLX 10L Water Heater is designed for efficient and reliable hot water supply. It features advanced technologies for durability and safety.

Key Features:

- **Titanium Plus Technology:** Titanium enamel coating in the tank and heating element prevents corrosion, ensuring longevity even with tough water conditions.
- **Rust Proof Body:** The robust body design acts against corrosion, extending product life and maintaining aesthetics.
- **Safety Plus:** Enhanced protection with 3 layers of safety, including a thermostat, cutout, and safety valve, for a worry-free experience.
- **HPR Technology:** The sturdy tank is built to withstand high pressure, making it suitable for high-rise buildings.
- **Magnesium Anode:** A larger anode prevents corrosion of the inner tank, extending its operational life.
- **5-Star BEE Certified:** Energy-efficient design to help reduce power consumption.

Product Components:

The package includes:

- 1 x Racold CDR DLX 10L Water Heater
- 1 x Instruction Booklet
- 1 x Safety Valve
- 2 x Dielectric Joints



Titanium Plus
Technology



Rust Proof Body



Safety Plus



HPR Technology



Magnesium
Anode



Image 3.1: Front view of the Racold CDR DLX 10L Water Heater, illustrating its main features like Titanium Plus Technology, Rust Proof Body, Safety Plus, HPR Technology, and Magnesium Anode.



TITANIUM PLUS TECHNOLOGY

The titanium enamel coating in the tank and heating element prevents corrosion by handling even the toughest water conditions, providing reliable and healthy water for years to come.



Image 3.2: Detail showcasing the Titanium Plus Technology, which involves a titanium enamel coating for corrosion prevention in the tank and heating element.



RUST PROOF BODY

A rust proof body act against corrosion ensuring a longer life of the product and increasing aesthetics.



Image 3.3: Detail highlighting the Rust Proof Body feature, designed to protect against corrosion and ensure a longer product lifespan.



SAFETY PLUS

Enhanced protection with 3 layers of safety with thermostat, cutout and safety valve for a worry-free hot water bathing experience.



Image 3.4: Detail explaining Safety Plus, which incorporates a 3-layer safety system with a thermostat, cutout, and safety valve for user protection.



HPR TECHNOLOGY

The sturdy tank enables it to withstand high pressure, making it suitable for high-rise buildings.



Image 3.5: Detail illustrating HPR Technology, indicating the water heater's ability to withstand high pressure, making it suitable for multi-story buildings.



MAGNESIUM ANODE

The water heater now comes with a bigger anode that prevents corrosion of the inner tank and thus extends its life.



Image 3.6: Detail explaining the Magnesium Anode, a component that prevents corrosion of the inner tank and extends the water heater's life.

4. INSTALLATION

Installation of the Racold CDR DLX 10L Water Heater must be performed by a certified professional to ensure safety and proper functioning. Refer to the included instruction booklet for detailed diagrams and step-by-step procedures.

Pre-Installation Checks:

- Verify that the wall can support the weight of the water heater when full (approximately 17.34 kg for 10L model).
- Ensure adequate space for maintenance and ventilation around the unit.
- Confirm that the electrical supply matches the appliance's requirements (230 Volts).

Mounting:

The water heater is designed for wall mounting. Use appropriate fasteners and follow the mounting template provided in the full manual.



Image 4.1: Side view of the water heater, useful for understanding mounting points and connections.



Image 4.2: Back view of the water heater, showing the mounting bracket and inlet/outlet connections.

Plumbing Connections:

1. Connect the cold water inlet to the designated port (usually marked blue).
2. Connect the hot water outlet to the designated port (usually marked red).
3. Install the provided safety valve on the cold water inlet line.
4. Ensure all connections are watertight using the provided dielectric joints and appropriate sealing materials.

Electrical Connections:

1. Connect the water heater to a dedicated electrical circuit with proper grounding.
2. Ensure the circuit is protected by a suitable circuit breaker or fuse.
3. All electrical wiring must comply with local electrical codes.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your Racold water heater.

Initial Startup:

1. After installation, open a hot water tap in your home to allow air to escape from the tank.
2. Slowly open the cold water inlet valve to fill the water heater tank.
3. Once water flows steadily from the hot water tap, close the tap.
4. Connect the power supply to the water heater.

Temperature Adjustment:

The water heater is equipped with a thermostat for temperature control. Refer to the control panel on your unit to adjust the desired water temperature. Avoid setting the temperature too high to prevent scalding and conserve energy.

Normal Operation:

The water heater will automatically heat water to the set temperature and maintain it. The indicator light will illuminate when the heating element is active and turn off once the desired temperature is reached.

6. MAINTENANCE

Regular maintenance ensures the efficiency and extends the lifespan of your water heater. Always disconnect power before performing maintenance.

Annual Maintenance:

- **Drain and Flush Tank:** Annually drain and flush the tank to remove sediment buildup. This helps maintain heating efficiency and prevents corrosion.
- **Inspect Pressure Relief Valve:** Manually operate the pressure relief valve once a year to ensure it is not blocked and functions correctly. Follow manufacturer guidelines for this procedure.
- **Check Anode Rod:** The magnesium anode rod should be inspected and replaced if significantly corroded, typically every 1-3 years depending on water quality. This is crucial for preventing inner tank corrosion.
- **Inspect Connections:** Check all water and electrical connections for leaks or signs of wear.

Cleaning:

Clean the exterior of the water heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your water heater. For problems not listed

here, or if solutions do not resolve the issue, contact Racold customer support.

Problem	Possible Cause	Solution
No hot water	No power supply Thermostat set too low Heating element failure	Check circuit breaker/fuse Adjust thermostat setting Contact service technician
Insufficient hot water	Tank too small for demand Thermostat set too low Sediment buildup	Consider a larger capacity unit Increase thermostat setting Drain and flush tank
Water too hot	Thermostat set too high	Decrease thermostat setting
Leaking water	Loose connections Pressure relief valve discharge Tank leak	Tighten connections Check water pressure, ensure proper drainage Contact service technician (tank leaks usually require replacement)
Unusual noises (e.g., popping, rumbling)	Sediment buildup in tank	Drain and flush tank thoroughly

8. SPECIFICATIONS

Feature	Detail
Brand	Racold
Model Number	CDR DLX 10V 2KW WH
Capacity	10 Liters
Power Source	Corded Electric
Voltage	230 Volts
Power Consumption	2000 Watts (2KW)
Energy Efficiency	5-star BEE certified
Product Dimensions (W x H)	32W x 45H Centimeters
Item Weight	7.34 Kilograms
Mount Type	Wall

Feature	Detail
Tank Material	Titanium Enameled Steel
Special Features	Rustproof, Titanium Plus Technology, Safety Plus, HPR Technology, Magnesium Anode
Color	White

9. WARRANTY AND SUPPORT

Racold provides comprehensive warranty coverage for your water heater.

Warranty Details:

- **Inner Tank:** 5 Years
- **Heating Element:** 2 Years
- **On Product:** 2 Years

Please retain your purchase receipt for warranty claims. The warranty covers manufacturing defects under normal use conditions.



7 YEARS
ON TANK



3 YEARS
ON HEATING ELEMENT



2 YEARS
ON PRODUCT

Free Pipes will be delivered at the time of installation by our technician. It is not included in the box.

*Free installation only within municipal limits. #2 years (Standard warranty) +1 year on Extended warranty on installation by Racold service center/product registration on racold website.

Image 9.1: Visual representation of the warranty periods for the tank, heating element, and overall product. Also mentions free installation and pipes.

Customer Support:

For installation assistance, service requests, or any queries regarding your Racold water heater, please contact Racold customer support. Refer to the contact information provided in your product booklet or visit the official Racold website.