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Racold Cdr 15 H_W

Racold CDR 15 H_W 15-Litre Horizontal Water Heater User Manual

Model: CDR 15 H_W

1. INTRODUCTION AND SAFETY INFORMATION

This manual contains important information regarding the installation, operation, and maintenance of your Racold CDR 15 H_W 15-Litre Horizontal Water Heater. Please read it thoroughly before installation and use, and keep it for future reference. Failure to follow these instructions may result in property damage, personal injury, or death.

Important Safety Instructions:

- Ensure the water heater is installed by a qualified technician in accordance with local codes and regulations.
- Do not operate the water heater if it is damaged or malfunctioning.
- Always disconnect power before performing any maintenance or service.
- Do not block or tamper with the pressure relief valve.
- Keep flammable materials away from the water heater.

2. PRODUCT OVERVIEW

The Racold CDR 15 H_W is a 15-litre horizontal storage water heater designed for efficient and reliable hot water supply. It incorporates advanced features for durability and energy savings.



Image 2.1: Front view of the Racold CDR 15 H_W 15-Litre Horizontal Water Heater.

Key Features:

- **15-Litre Storage Capacity:** Suitable for small to medium hot water requirements.
- **Horizontal Design:** Ideal for installations with space constraints.
- **SPHP Inner Tank:** Provides superior corrosion resistance and high pressure withstanding capacity (up to 8 bar), making it suitable for high-rise buildings and pressure pump applications.
- **High-Density PUF Insulation:** Ensures energy efficiency and reduced electricity consumption.
- **Polymer Protective Coating:** Unique technology for the inner container resists corrosion from hard water, ensuring hygienic water supply.
- **Magnesium Anode:** Protects the heating element from corrosion, extending its lifespan.
- **Titanium Enameled Heating Element:** Offers enhanced protection and longer life.
- **Rust-Proof Outer Body:** Prevents corrosion and ensures product longevity.
- **5-Star Rated Product:** Indicates high energy efficiency.



Image 2.2: Visual representation of key features including 15 Litres Storage Capacity, Electric Heat Source, Ideal For Bathroom, Manual Operation Type, Wall Mount Installation, and 2000 Watts Power.

3. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your water heater. It is strongly recommended that installation be performed by a qualified and certified technician.

Installation Requirements:

- **Mounting Type:** V-wall mounting. The unit must be securely mounted on a sturdy wall capable of supporting its weight when full of water (approximately 22 kg).
- **Location:** Install in an indoor location where the ambient temperature is greater than 15 degrees Celsius. Ensure adequate space for maintenance and ventilation.
- **Water Connections:** Connect the inlet and outlet pipes according to the markings on the unit. Ensure all connections are watertight. A pressure relief valve must be installed.
- **Electrical Connection:** The water heater requires a 220 - 240 volts AC power supply. Ensure the electrical circuit is properly grounded and protected by a suitable circuit breaker. The wattage is 2000 Watts.
- **Dimensions:** The product dimensions are approximately 57W x 32H Centimeters. Consider these dimensions for proper placement.

Pre-Installation Checklist:

1. Verify that the water heater is undamaged.
2. Ensure all necessary plumbing and electrical supplies are available.
3. Confirm the wall structure can support the filled water heater.

4. OPERATING INSTRUCTIONS

Once properly installed and filled with water, your Racold water heater is ready for operation.

Initial Startup:

1. Ensure the water heater is completely filled with water before turning on the power. Open a hot water faucet in your home to allow air to escape and water to flow until a steady stream is observed.
2. Close the hot water faucet.
3. Connect the water heater to the electrical supply.
4. The heating indicator light will illuminate, indicating that the water is being heated.

Daily Operation:

- The water heater will automatically maintain the set temperature.
- The heating element will cycle on and off as needed to keep the water hot.
- For optimal energy saving, avoid unnecessarily high temperature settings.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient performance of your water heater. Always disconnect power before performing any maintenance.

Recommended Maintenance:

- **Anode Rod Inspection/Replacement:** The magnesium anode rod protects the inner tank and heating element from corrosion. It should be inspected annually by a qualified technician and replaced as necessary, especially in areas with hard water.
- **Pressure Relief Valve Test:** Test the pressure relief valve at least once a year to ensure it is operating correctly. Follow the manufacturer's instructions for testing.
- **Draining and Flushing:** Periodically drain and flush the tank to remove sediment buildup, which can reduce efficiency and tank life. Consult a technician for this procedure.
- **Exterior Cleaning:** Clean the exterior of the water heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Leak Check:** Regularly inspect for any signs of water leaks around the unit and connections. Address any leaks immediately.

6. TROUBLESHOOTING

Before contacting customer service, review the following common issues and their potential solutions.

Problem	Possible Cause	Solution
No hot water	No power supply; Thermostat tripped; Heating element failure.	Check circuit breaker/fuse; Reset thermostat (if accessible); Contact service technician.
Insufficient hot water	Thermostat set too low; Sediment buildup; Undersized unit for demand.	Adjust thermostat; Drain and flush tank (professional recommended); Reduce hot water usage.
Water leaking from unit	Loose connections; Faulty pressure relief valve; Tank corrosion.	Tighten connections; Replace pressure relief valve; Contact service technician for tank inspection.
Water too hot	Thermostat set too high.	Lower the thermostat setting.

For issues not listed or if solutions do not resolve the problem, please contact a qualified service technician.

7. SPECIFICATIONS

Detailed technical specifications for the Racold CDR 15 H_W 15-Litre Horizontal Water Heater.

Specification	Value
Brand	Racold
Model Number	CDR 15 H_W
Capacity	15 Litres
Wattage	2000 Watts
Operating Voltage	220 - 240 Volts
Maximum Operating Pressure	8 Bars

Specification	Value
Product Dimensions (W x H)	57W x 32H Centimeters
Installation Type	V-wall mounting (Wall Mounted)
Special Features	Rustproof, SPHP Inner Tank, Polymer Protective Coating, Magnesium Anode, Titanium Enameled Heating Element
Energy Rating	5-star rated
Item Weight	7 kg
Included Components	Water heater unit

8. WARRANTY INFORMATION

Your Racold CDR 15 H_W Water Heater comes with the following warranty coverage:

- **Product Warranty:** 2 years
- **Heating Elements Warranty:** 2 years
- **Inner Tank Warranty:** 5 years

Please retain your purchase receipt as proof of purchase for warranty claims. The warranty covers manufacturing defects under normal use and service. It does not cover damage resulting from improper installation, misuse, neglect, or unauthorized repairs.

9. CUSTOMER SUPPORT

If you require assistance with installation, operation, maintenance, or warranty claims, please contact Racold customer support. Ensure you have your product model number and purchase details available when contacting support.

For service requests or technical inquiries, refer to the contact information provided with your product packaging or visit the official Racold website.