

## Ferroli CALDO10V

# Ferroli 10L Water Heater CALDO10V User Manual

Model: CALDO10V

## 1. INTRODUCTION

Thank you for choosing the Ferroli 10L Water Heater, model CALDO10V. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your water heater. Please read these instructions carefully before installation and use, and keep them for future reference. Proper installation and adherence to these guidelines will ensure optimal performance and longevity of your appliance.

## 2. PRODUCT OVERVIEW

The Ferroli CALDO10V is a high-efficiency 10-liter water heater designed for reliable hot water supply. It features advanced technology for energy saving and durability.

### Key Features:

- High Pressure Rating: 8 bar, suitable for high-rise buildings.
- Blue Forever Heating Element for efficient heating.
- Digital Temperature Display for precise control.
- Long-lasting Aluminium Anode for enhanced tank protection.
- Healthy Blue Silicon Enamel Coated Tank for corrosion resistance.
- Rust Proof ABS Body for durability.
- Environment Friendly CFC-free Insulation for energy efficiency.
- Hi-Tech Capillary Thermostat & Cutout for additional safety.

### Components:

The water heater unit includes the main body, power cord, and a safety valve. Mounting hardware is also provided.



Figure 2.1: Front view of the Ferrolli 10L Water Heater CALDO10V, showing its compact design and control panel on the right side.

### 3. SAFETY INSTRUCTIONS

Always observe the following safety precautions to reduce the risk of injury, electric shock, fire, or damage to the appliance.

- **Qualified Personnel:** Installation and maintenance must be performed by qualified technicians in accordance with local regulations and this manual.
- **Electrical Safety:** Ensure the power supply matches the voltage specified on the appliance. Do not use extension cords. The appliance must be properly grounded.
- **Water Pressure:** The water heater is designed for a maximum pressure of 8 bar. Install a pressure reducing valve if the incoming water pressure exceeds this limit.
- **Temperature:** Hot water can cause severe burns. Exercise caution when using hot water and supervise children or individuals with reduced capabilities.

- **Safety Valve:** Do not block or tamper with the pressure relief valve. It must be installed and regularly checked for proper operation.
- **Freezing:** Protect the appliance and water pipes from freezing temperatures.
- **Flammable Materials:** Do not store or use flammable materials near the water heater.



Figure 3.1: Example of a warning label on the water heater, indicating important safety information regarding installation and usage.

## 4. SETUP & INSTALLATION

Proper installation is crucial for the safe and efficient operation of your water heater. Refer to the diagrams and follow these steps carefully.

### 4.1 Mounting the Water Heater:

1. Choose a suitable wall location that can support the full weight of the water heater when filled with water

(approx. 19 kg).

2. Mark the drilling points for the mounting brackets using the provided template or by measuring the distance between the brackets on the unit.
3. Drill holes and insert the wall plugs. Secure the mounting hooks firmly into the wall.
4. Carefully lift the water heater and hang it securely on the mounting hooks. Ensure it is level.



Figure 4.1: Rear view of the water heater, illustrating the integrated mounting brackets and the water inlet (blue) and outlet (red) connections.

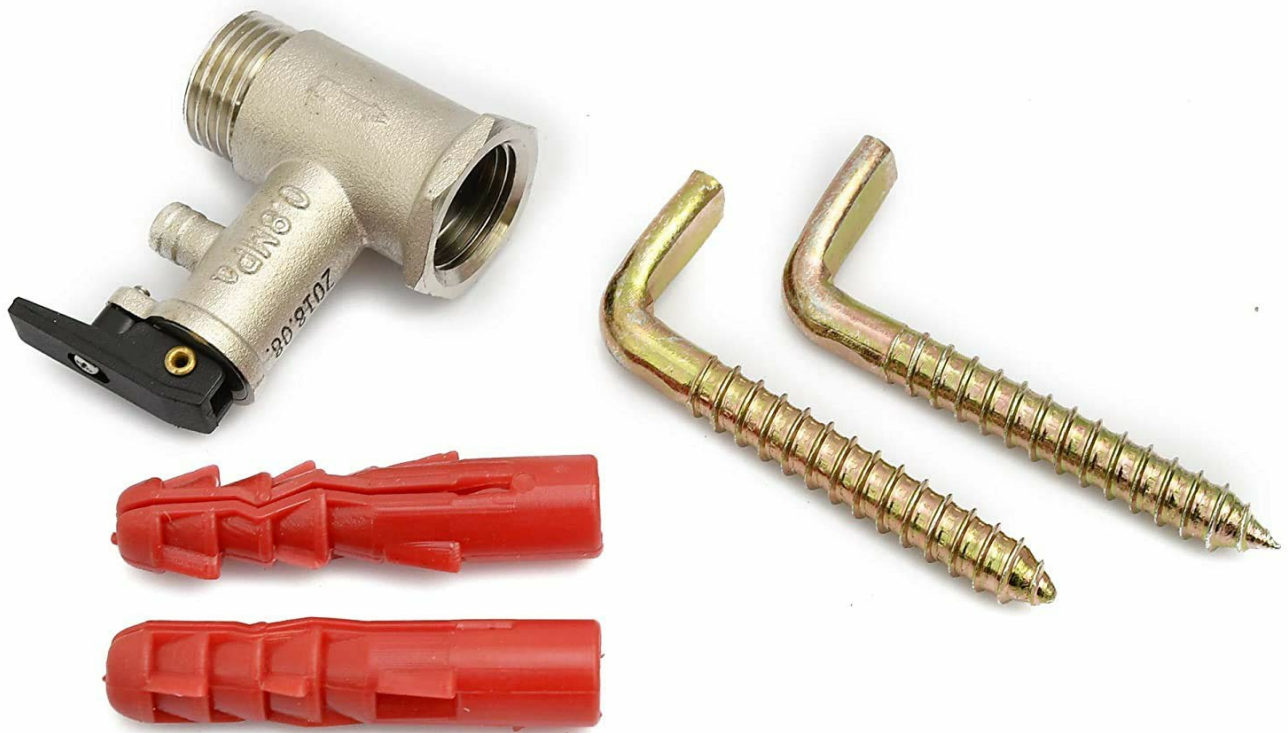


Figure 4.2: Included mounting hardware (hooks and wall plugs) and the pressure relief safety valve, essential for safe operation.

## 4.2 Water Connections:

1. Connect the cold water supply to the blue marked inlet pipe.
2. Connect the hot water outlet to the red marked pipe.
3. Install the pressure relief safety valve on the cold water inlet pipe. Ensure the discharge pipe from the safety valve is directed downwards and left open to the atmosphere. Do not block it.
4. Use appropriate sealing materials (e.g., PTFE tape) on all threaded connections to prevent leaks.

## 4.3 Electrical Connection:

1. Ensure the main power supply is switched off before making any electrical connections.
2. Connect the water heater's power cord to a properly grounded electrical outlet.
3. Verify that the voltage and frequency of your electrical supply match the specifications of the water heater.

## 5. OPERATING INSTRUCTIONS

Follow these steps to operate your Ferroli water heater safely and efficiently.

### 5.1 Filling the Tank:

1. Before switching on the power, open a hot water tap in your home to allow air to escape from the tank.
2. Open the cold water supply valve to the water heater.
3. Wait until water flows steadily from the hot water tap, indicating the tank is full. Close the hot water tap.

### 5.2 Powering On and Temperature Adjustment:

1. Plug in the power cord or switch on the dedicated circuit breaker for the water heater.
2. The digital display will illuminate, showing the current water temperature.
3. Use the temperature control knob on the front panel to set your desired water temperature. Turn clockwise for higher temperatures ('Hi') and counter-clockwise for lower temperatures ('Low').
4. The heating element will activate, and the water will begin to heat to the set temperature.



Figure 5.1: Close-up of the control panel, featuring the temperature adjustment knob with 'Off', 'Low', and 'Hi' settings, and an indicator light.

## 6. MAINTENANCE

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

### 6.1 Draining the Tank:

To drain the tank for maintenance or if there is a risk of freezing:

1. Switch off the power supply to the water heater.
2. Close the cold water inlet valve to the heater.
3. Open a hot water tap in your home to relieve pressure.
4. Connect a hose to the drain valve (if present, usually near the cold water inlet) or carefully open the pressure

relief valve to drain the water.

6.2 Anode Rod Inspection/Replacement:

The water heater is equipped with a long-lasting Aluminium Anode to protect the tank from corrosion. It is recommended to have a qualified technician inspect the anode rod annually and replace it if significantly depleted. This extends the life of the tank.

6.3 Cleaning:

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

7. TROUBLESHOOTING

If you encounter issues with your water heater, refer to this section before contacting service.

Problem	Possible Cause	Solution
No hot water	No power supply Thermostat set too low Heating element failure	Check power connection and circuit breaker Adjust thermostat to a higher setting Contact a qualified technician
Water not hot enough	Thermostat set too low Insufficient heating time High hot water demand	Increase temperature setting Allow more time for heating Reduce hot water usage or consider a larger capacity unit
Water leaking	Loose pipe connections Faulty pressure relief valve Tank leakage	Tighten connections Inspect and replace safety valve if necessary Contact a qualified technician immediately
Unusual noises (e.g., popping, rumbling)	Sediment buildup in tank	Drain and flush the tank to remove sediment. If problem persists, contact technician.

8. SPECIFICATIONS

Technical specifications for the Ferroli 10L Water Heater CALDO10V.

Feature	Specification
Brand	Ferroli



Feature	Specification
Model Number	CALDO10V
Capacity	10 Litres
Power Source	Corded Electric
Item Weight	9 kg
Pressure Rating	8 bar
Heating Element	Blue Forever
Tank Coating	Blue Silicon Enamel
Body Material	Rust Proof ABS
Insulation	CFC-free
Manufacturer	GSP INTERNATIONAL

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or service requests, please contact your authorized Ferroli dealer or customer service center. Keep your purchase receipt as proof of purchase for warranty claims.