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Eldom WV05039

Eldom Favourite 50L 2kW Electronic Control Water Heater

MODEL: WV05039

1. Introduction

Thank you for choosing the Eldom Favourite 50L 2kW Electronic Control Water Heater. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new appliance. Please read these instructions carefully before installation and use, and keep them for future reference.

This vertical electric water heater is designed for long-lasting performance and energy efficiency. It features a 50-liter capacity, a digital display for precise control, and a 2000 Watt heating element. The unit incorporates special CFC-free insulation with a high density and 40mm thickness to minimize heat loss, contributing to its Energy Class B rating. Advanced corrosion protection is provided by two anodes and a zirconium-enameled tank.

2. Safety Instructions

- Installation:** Installation must be performed by a qualified professional in accordance with local regulations and standards. Incorrect installation can lead to electric shock, fire, or water damage.
- Electrical Connection:** Ensure the electrical supply matches the specifications of the water heater (230V / 2000W / 9A). Do not use extension cords or adapters. The electrical cable is not included and must be installed by a qualified electrician.
- Water Pressure:** The maximum operating pressure is 8 bar. A safety valve (included) must be installed to prevent overpressure.
- Water Temperature:** Hot water can cause severe burns. Exercise caution when using hot water and ensure children are supervised.
- Maintenance:** Disconnect the power supply before any maintenance or cleaning. Regular inspection and maintenance, especially of the anodes, are crucial for the longevity of the appliance.
- Frost Protection:** The appliance must be protected from freezing temperatures.

3. Product Overview and Components

The Eldom Favourite water heater is designed for vertical wall mounting. It features a sleek white exterior and a user-friendly digital control panel at the bottom.



Image 3.1: Front view of the Eldom Favourite 50L Water Heater, showing the digital control panel and temperature gauge.

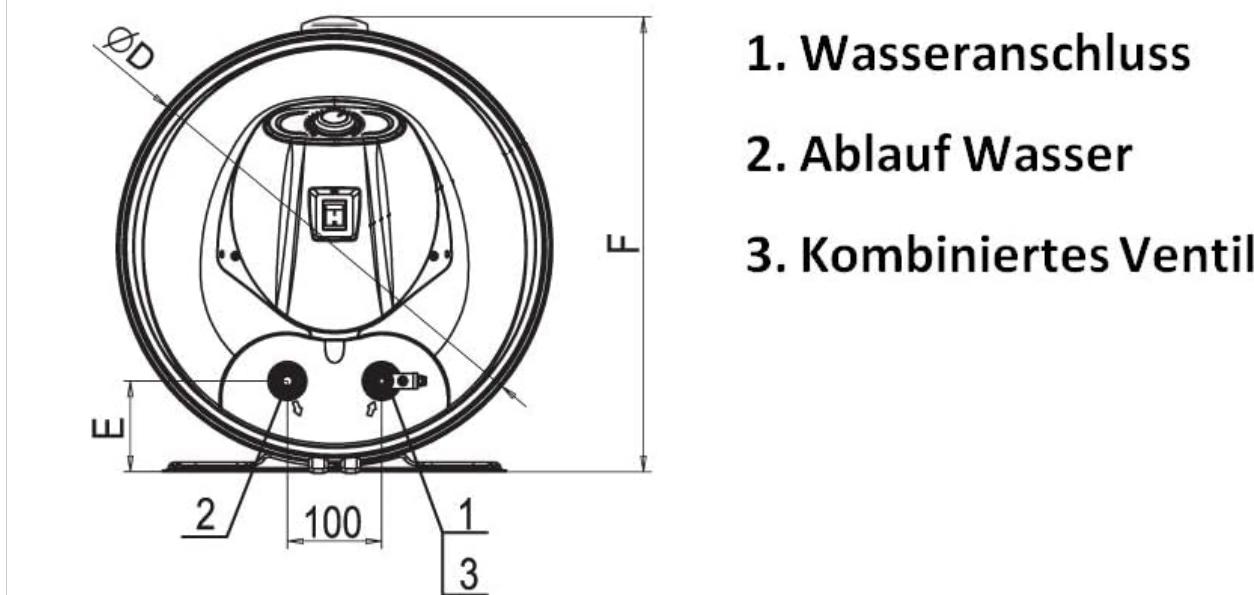
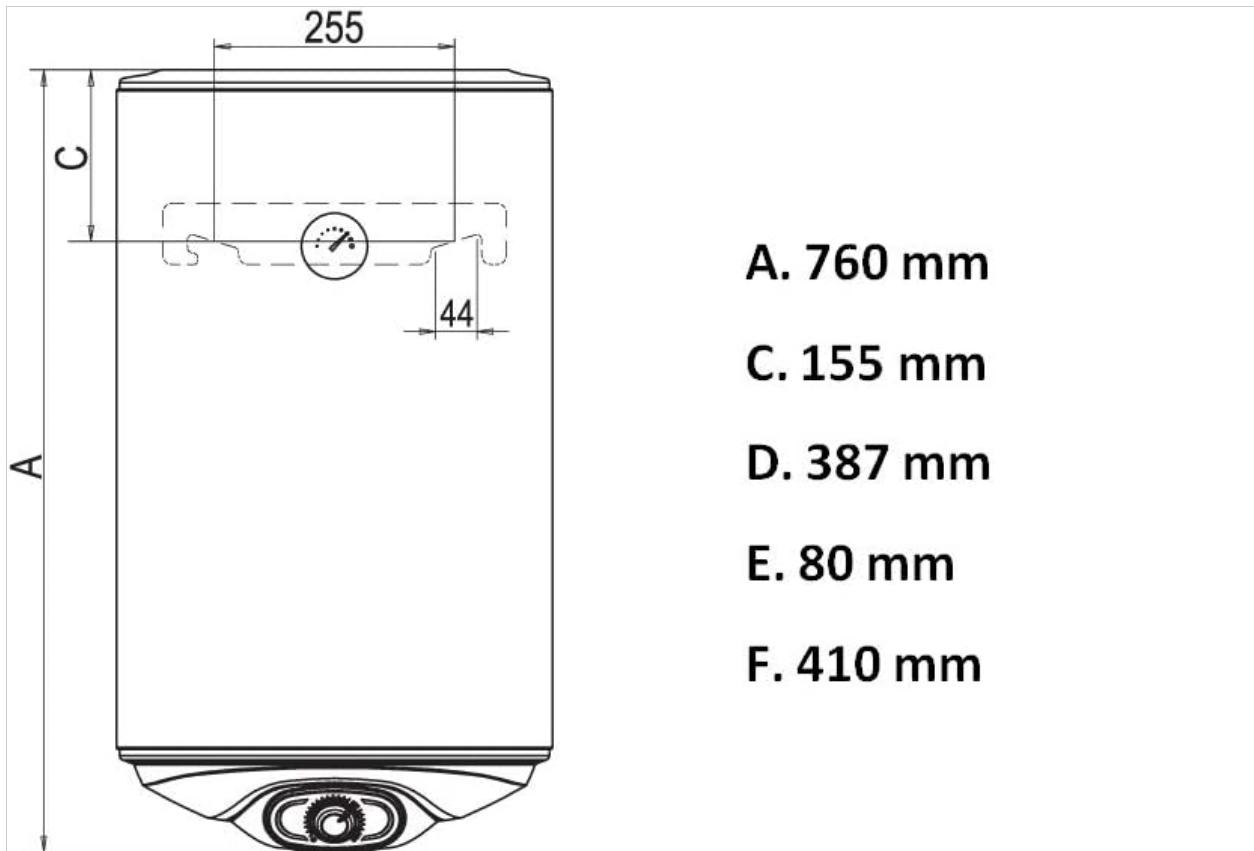


Image 3.2: Close-up of the digital display and control buttons on the Eldom Favourite water heater.

Key Features:

- **Digital Electronic Control:** Allows for precise temperature setting and access to advanced functions.
- **High-Efficiency Insulation:** 40mm thick, CFC-free polyurethane foam for minimal heat loss.
- **Dual Anode Protection:** Two magnesium anodes and a zirconium-enameled tank provide superior corrosion resistance.

- **Safety Valve:** Included with three functions: drain valve, non-return valve, and pressure relief valve.

4. Installation

The water heater is designed for vertical wall mounting. Ensure the mounting surface is strong enough to support the weight of the full water heater (approximately 68 kg when full).

Dimensions and Connections:



Image 4.1: Technical diagram showing the dimensions and connection points of the water heater. Key dimensions are A: 760 mm (height), C: 155 mm, D: 387 mm (diameter), E: 80 mm, F: 410 mm. Connection points are labeled 1 (Water Inlet), 2 (Water Outlet), and 3 (Combined Valve).

- **Mounting:** The mounting bracket is fixed to the water heater. Fastening materials (screws, anchors) are not included and must be selected based on the wall type.
- **Water Connections:** Connect the water inlet (labeled 1 in Image 4.1) and water outlet (labeled 2) to your plumbing system. The safety valve (3) must be installed on the cold water inlet.
- **Electrical Connection:** A dedicated electrical circuit with appropriate protection (fuse/breaker) is required. The electrical cable is not supplied.
- **First Fill:** Before connecting power, ensure the tank is completely filled with water by opening a hot water tap until water flows freely, indicating all air has been expelled.

5. Operating Instructions

The Eldom Favourite water heater features an electronic control panel for easy operation.

Digital Control Panel:

- **Power On/Off:** Use the designated button to switch the appliance on or off.
- **Temperature Adjustment:** Use the up/down arrows to set the desired water temperature. The digital display will show the current and set temperatures.
- **Deferred Start:** This function allows you to program the water heater to start heating after a set period, up to 48 hours. Consult the full manual for detailed programming steps.
- **Eco Function:** Activate the Eco mode for optimized energy consumption. The heater will learn your usage patterns and adjust heating cycles accordingly.
- **Weekly Program:** The electronic control allows for setting a weekly heating schedule to further optimize energy use.
- **Anode Tester:** The digital display includes an anode tester function to check the status of the corrosion protection anodes.

6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your water heater.

- **Anode Inspection/Replacement:** The magnesium anodes protect the tank from corrosion. Check their status periodically using the anode tester function. Anodes should be inspected and replaced by a qualified technician every 1-2 years, or as indicated by the anode tester.
- **Descaling:** In areas with hard water, limescale can build up on the heating element and tank walls, reducing efficiency. Descaling should be performed by a qualified technician when necessary.
- **Safety Valve Check:** Periodically operate the lever on the safety valve to ensure it is not blocked and can release pressure. Follow manufacturer guidelines for this procedure.
- **Exterior Cleaning:** Clean the exterior of the water heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.

7. Troubleshooting

Before contacting service, check the following common issues:

Problem	Possible Cause	Solution
No hot water	No power supply; thermostat tripped; heating element failure.	Check circuit breaker/fuse. Reset thermostat (if applicable). Contact service for heating element.
Insufficient hot water	Temperature set too low; excessive hot water usage; limescale buildup.	Increase temperature setting. Allow time for reheating. Contact service for descaling.
Water leak	Loose connections; faulty safety valve; tank corrosion.	Tighten connections. Inspect safety valve. Contact service for tank issues.
Unusual noise	Limescale buildup on heating element.	Contact service for descaling.

For problems not listed or if solutions do not resolve the issue, please contact qualified service personnel.

8. Specifications

Detailed technical specifications for the Eldom Favourite WV05039 water heater.





Image 8.1: Product data sheet (Produktdatenblatt Warmwasserspeicher) for Eldom Favourite 50L WV05039E.

Feature	Specification
Manufacturer	Eldom
Model Number	WV05039

Feature	Specification
Capacity	50 Liters
Dimensions (H x W x D)	760 x 387 x 387 mm (approx. 38.7 x 38.7 x 76 cm)
Mounting	Vertical Wall Mount
Power Supply	230 Volts
Power Output	2000 Watts (2 kW)
Current	9 Amperes
Maximum Pressure	8 bar
Material	Alloy Steel (Tank)
Insulation	CFC-free Polyurethane Foam (40mm)
Corrosion Protection	Two Magnesium Anodes, Zirconium Enamel Tank
Weight (empty)	18 Kilograms
Included Components	Water heater, Safety group (valve)
Special Features	Electronic Control, Precise Temperature Adjustment, Deferred Start, Eco Function, Weekly Program, Anode Tester

9. Energy Efficiency

The Eldom Favourite WV05039 water heater is designed with energy efficiency in mind.



Image 9.1: EU Energy Label for Eldom WV05039E, showing Energy Class B.

- **Energy Class:** B
- **Annual Electricity Consumption:** 1169 kWh/annum
- **Sound Power Level:** 15 dB
- **Mixed Water at 40°C (V40):** 136 liters (for 50L model)

For more detailed energy information, refer to the official EPREL database:

<https://eprel.ec.europa.eu/qr/31866>

10. Warranty and Support

Eldom products are manufactured in the EU and comply with all current safety standards, holding CE certification.

Manufacturer Contact Information:

- **Manufacturer:** ELDOMINVEST OOD
- **Website:** <https://eldominvest.com/>
- **Technical Support Email:** tech@eldominvest.com
- **Phone:** +359 52 571 914
- **Address:** Boulevard "Vladislav Varnenchik" 275A, 9009 Varna, Bulgaria

Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, refer to the documentation provided with your product or contact Eldom customer support.