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Eldom WVF08046FEW

Eldom Smart Control Electric Water Heater User Manual

Model: WVF08046FEW (80 Liter)

1. Introduction

Thank you for choosing the Eldom Smart Control Electric Water Heater. This appliance is designed to provide efficient and reliable hot water for your household. This manual provides essential information for the safe installation, operation, and maintenance of your water heater. Please read it thoroughly before installation and use, and keep it for future reference.

The Eldom Smart Control series features advanced electronic control, energy-efficient operation, and durable construction, making it an ideal solution for modern homes.





Figure 1: Front view of the Eldom Smart Control Electric Water Heater, showcasing its sleek design and integrated digital control panel at the bottom.

2. Safety Instructions

WARNING: Failure to follow these safety instructions may result in electric shock, fire, property damage, or personal injury.

- Installation and maintenance must be performed by a qualified and licensed professional in accordance with all local and national codes and regulations.
- Ensure the electrical supply matches the voltage and wattage requirements specified on the appliance label (230V, 2000W).
- Always disconnect power to the water heater before performing any maintenance or service.
- Do not operate the water heater if it is damaged, leaking, or not functioning correctly.
- The water heater must be properly grounded to prevent electric shock.
- Do not block or tamper with the pressure relief valve. This valve is a critical safety device.

- Keep flammable materials away from the water heater.
- 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.

3. Package Contents

Please check the package for the following items:

- Eldom Smart Control Electric Water Heater Unit
- Safety Valve
- Safety Thermostat (integrated or separate, as per model)
- Wall Mounting Bracket (pre-attached to the outer casing)
- User Manual (this document)

4. Installation and Setup

IMPORTANT: Installation must be carried out by a qualified professional.

4.1. Location Selection

- Choose a location that can support the full weight of the water heater when filled with water (approx. 109 kg for the 80L model).
- Ensure adequate clearance around the unit for maintenance and air circulation.
- Install in an area protected from freezing temperatures.
- The unit is designed for indoor, vertical wall-mounted installation.

4.2. Mounting the Water Heater

The water heater comes with a pre-attached wall mounting bracket. Use appropriate fasteners (not supplied) suitable for your wall type to securely mount the unit. Refer to the dimensions diagram for mounting points and clearances.

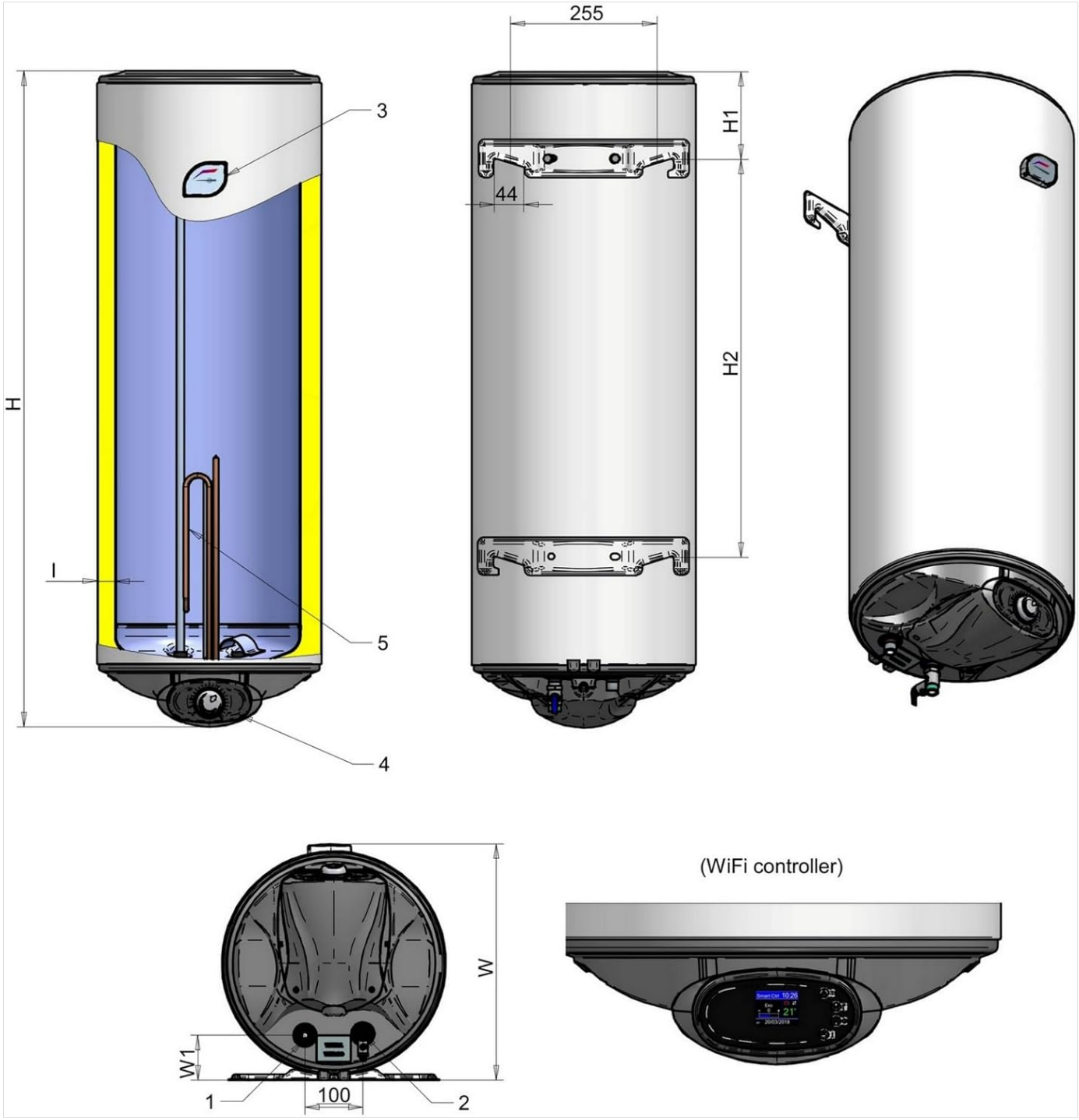


Figure 2: Detailed technical diagram showing the water heater's dimensions (H, H1, H2, D, W, W1) and connection points (1: Hot Water Outlet G1/2" AG, 2: Cold Water Inlet G1/2" AG, 3: Temperature Indicator, 4: Control Panel, 5: Heating Element). This diagram is crucial for planning installation and plumbing connections.

4.3. Plumbing Connections

- Connect the cold water supply to the inlet (marked '2' in Figure 2, typically blue or indicated by an arrow).
- Connect the hot water outlet to your household hot water system (marked '1' in Figure 2, typically red or indicated by an arrow).
- Install the supplied safety valve on the cold water inlet line. Ensure proper drainage for the safety valve discharge.
- After plumbing connections are complete, slowly fill the water heater with water by opening a hot water tap in your home until water flows freely, indicating the tank is full and air has been purged. Check for leaks.

4.4. Electrical Connection

- Ensure the main power supply is OFF before making any electrical connections.

- Connect the water heater to a dedicated, properly grounded electrical circuit (230V, 50Hz, 2000W).
- All wiring must comply with local electrical codes.



Figure 3: An Eldom electric water heater installed in a modern bathroom setting, demonstrating a typical wall-mounted setup above plumbing connections.

5. Operating Instructions

The Eldom Smart Control water heater features an intuitive digital control panel for easy operation.

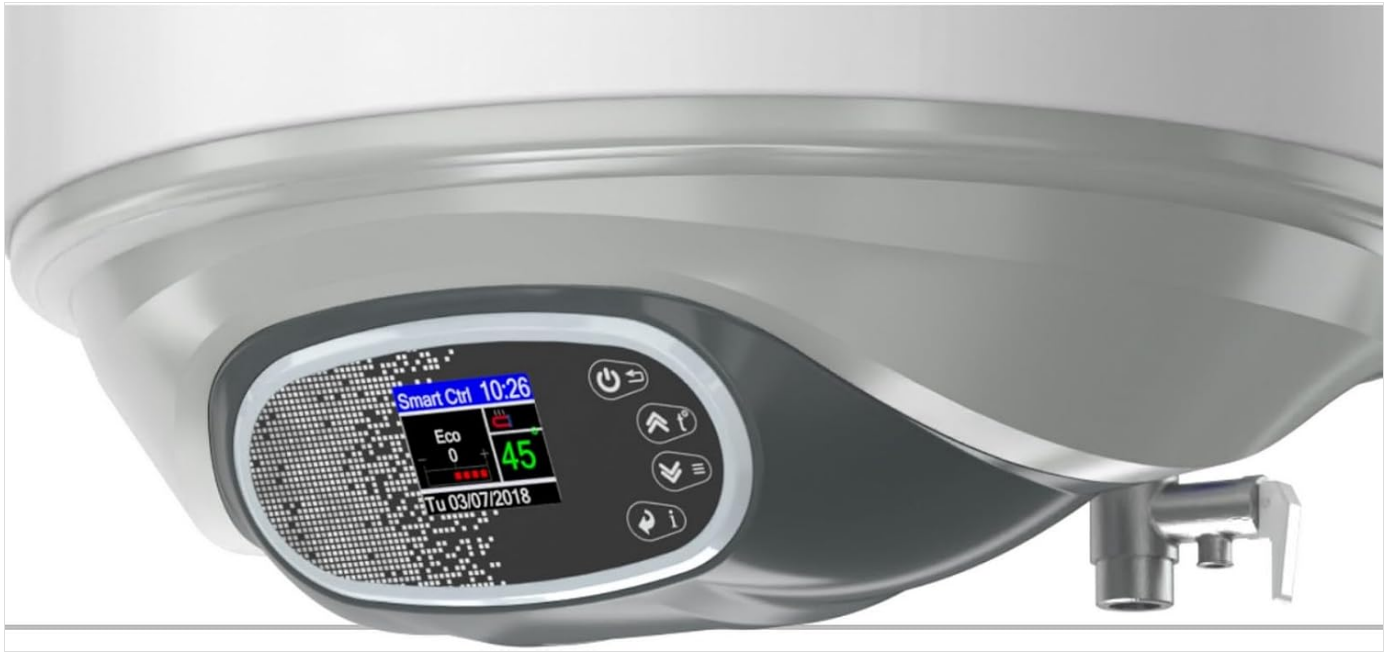


Figure 4: Close-up view of the Smart Control digital panel, displaying current time, temperature settings (e.g., Eco mode, 45 degrees Celsius), and various control buttons for power, mode selection, temperature adjustment, and information display.

5.1. Power On/Off

Press the power button (usually marked with a circle and vertical line symbol) on the control panel to turn the unit on or off. The display will illuminate when the unit is active.

5.2. Temperature Setting

Use the up/down arrow buttons (or similar temperature adjustment controls) to set your desired water temperature. The current temperature setting will be displayed. The unit features a stepless safety thermostat with frost protection.

5.3. Smart Control Features

- **Heating Time Programming:** Utilize the programming functions to set specific times for the water heater to operate, optimizing energy consumption based on your daily schedule. Refer to the on-screen menu for detailed programming steps.
- **Eco Mode:** Select Eco mode for optimized energy efficiency. This mode intelligently adjusts heating cycles to reduce power consumption while maintaining comfort.
- **Anode Tester with Wear Indicator:** The Smart Control system monitors the sacrificial anode's condition. A wear indicator will alert you when the anode requires inspection or replacement, ensuring the longevity of the tank.
- **Temperature Display:** The digital display provides real-time information on the current water temperature and operational status.

6. Maintenance

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

- **Anode Inspection/Replacement:** The built-in anode tester will indicate when the sacrificial anode needs attention. It is recommended to have the anode inspected and replaced by a qualified technician every 1-3 years, depending on water quality and usage, to prevent tank corrosion.
- **Pressure Relief Valve Test:** Test the pressure relief valve at least once a year by lifting the lever. Ensure water discharges freely and then reseats properly. If it does not, replace the valve.
- **Draining the Tank:** If the water heater will be out of use for an extended period or if there is a risk of freezing, drain the tank completely. Consult a professional for this procedure.

- **Cleaning:** Periodically wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

7. Troubleshooting

Before calling for service, please check the following common issues:

- **No Hot Water:**
  - Check if the power supply is on and the circuit breaker has not tripped.
  - Ensure the water heater is turned on via the control panel.
  - Verify the temperature setting is appropriate.
- **Insufficient Hot Water:**
  - The demand for hot water may exceed the heater's capacity. Allow more recovery time.
  - Check if the temperature setting is too low.
- **Water Leakage:**
  - Check plumbing connections for tightness.
  - If water is coming from the pressure relief valve, it may be operating normally due to thermal expansion, or it could indicate excessive pressure. Consult a professional.
  - If the tank itself is leaking, immediately turn off the water supply and power, and contact a qualified technician.
- **Unusual Noises:**
  - Sediment buildup can cause rumbling noises. Draining and flushing the tank may help (consult a professional).

For issues not listed here or if troubleshooting steps do not resolve the problem, contact a qualified service technician.

8. Specifications

The following specifications apply to the Eldom Smart Control Electric Water Heater, Model WVF08046FEW (80 Liter).

Elektrische wandhängende Warmwasserspeicher mit WiFi - vertikale Aufhängung								
		ES/EED 30	ES/EED 50	ES/EED 80 schmal/hoch	ES/EED 80 breit/niedrig	ES/EED 100	ES/EED 120	ES/EED 150
Modelnummer		WVF3039FEW	WVF5039FEW	WVF8039FEW	WVF8046FEW	WVF10046FEW	WVF12046FEW	WVF15046FEW
Nettovolumen	Liter	29	45	75	77	95	116	147
Energieefizentzklasse	EEK	B	B	B	B	B	B	B
Montage		vertikal wandhängend	vertikal wandhängend	vertikal wandhängend	vertikal wandhängend	vertikal wandhängend	vertikal wandhängend	vertikal wandhängend
Internetfähig - WiFi-Modul		ja	ja	ja	ja	ja	ja	ja
Maße (HxBxT)	mm	560 x 410 x 387	760 x 410 x 387	1.125 x 410 x 387	835 x 484 x 462	1.005 x 484 x 462	1.170 x 484 x 462	1.420 x 484 x 462
ca. Energieverbrauch pro Jahr	kWh	492	1.169	1.049	1.044	1.043	1.036	1.992
Leistung	kW	1,5	2	2	2	3	3	3
Höchsttemperatur des Brauchwarmwassers	°C	75	75	75	75	75	75	75
max. Betriebsdruck Behälter	bar	8	8	8	8	8	8	8
Anschlussleistung	Volt	230	230	230	230	230	230	230
Gewicht	kg	15	20	28	26	31	35	44
Anschlüsse / Maße								
1 - Warmwasserausgang G1/2" AG		2 - Kaltwassereingang G1/2" AG		3 - Temperaturindikator		4 - Steuerung	5 - Heizstab	
H	mm	560	760	1.125	835	1.005	1.170	1.420
H1	mm	155	155	155	185	185	185	185
H2	mm	-	-	-	-	-	-	1003
D	mm	387	387	387	462	462	462	462
W1	mm	80	80	80	96	96	96	96
W	mm	410	410	410	484	484	484	484
I	mm	33	33	33	33	33	33	33

Figure 5: Technical specification table detailing various models of Eldom electric wall-mounted water heaters. For model WVF08046FEW (ES/EED 80 breit/niedrig), it shows Net Volume (77 liters), Energy Efficiency Class (B), Mounting (vertical wall-mounted), WiFi capability (yes), Annual Energy Consumption (1.044 kWh), Power (2 kW), Max. Temperature (75 °C), Max. Operating Pressure (8 bar), Connection Voltage (230 Volt), and Weight (26 kg).

Feature	Specification
Brand	Eldom (G2 Energy Systems)
Model Number	WVF08046FEW
Capacity	80 Liters (Net Volume: 77 Liters)
Power Output	2000 Watts (2 kW)
Voltage	230 Volt AC, 50 Hz
Energy Efficiency Class	B
Max. Operating Pressure	8 bar
Max. Water Temperature	75 °C
Dimensions (H x W x D)	835 x 484 x 462 mm
Weight (Empty)	29 kg (26 kg as per technical table)
Installation Type	Vertical Wall-Mounted
Inner Tank Material	Double-enameled with anti-limescale coating
UPC	754185677990

9. Warranty and Support

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for warranty claims.
For technical support or service inquiries, please contact your authorized dealer or the manufacturer's customer service department. Ensure you have your model number (WVF08046FEW) and serial number (if applicable) ready when contacting support.

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