

## Vaillant 0010023777

# Vaillant VED E 18/8 Electronic Instantaneous Water Heater User Manual

Model: VED E 18/8 (0010023777)

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Vaillant VED E 18/8 Electronic Instantaneous Water Heater. Please read these instructions carefully before installation and use, and keep them for future reference.

The Vaillant electronic VED E 18/8 is designed to provide precise hot water comfort for single or multiple draw-off points, with a flow rate of 8 liters per minute. It is suitable for connection points with an 18 kW power supply.

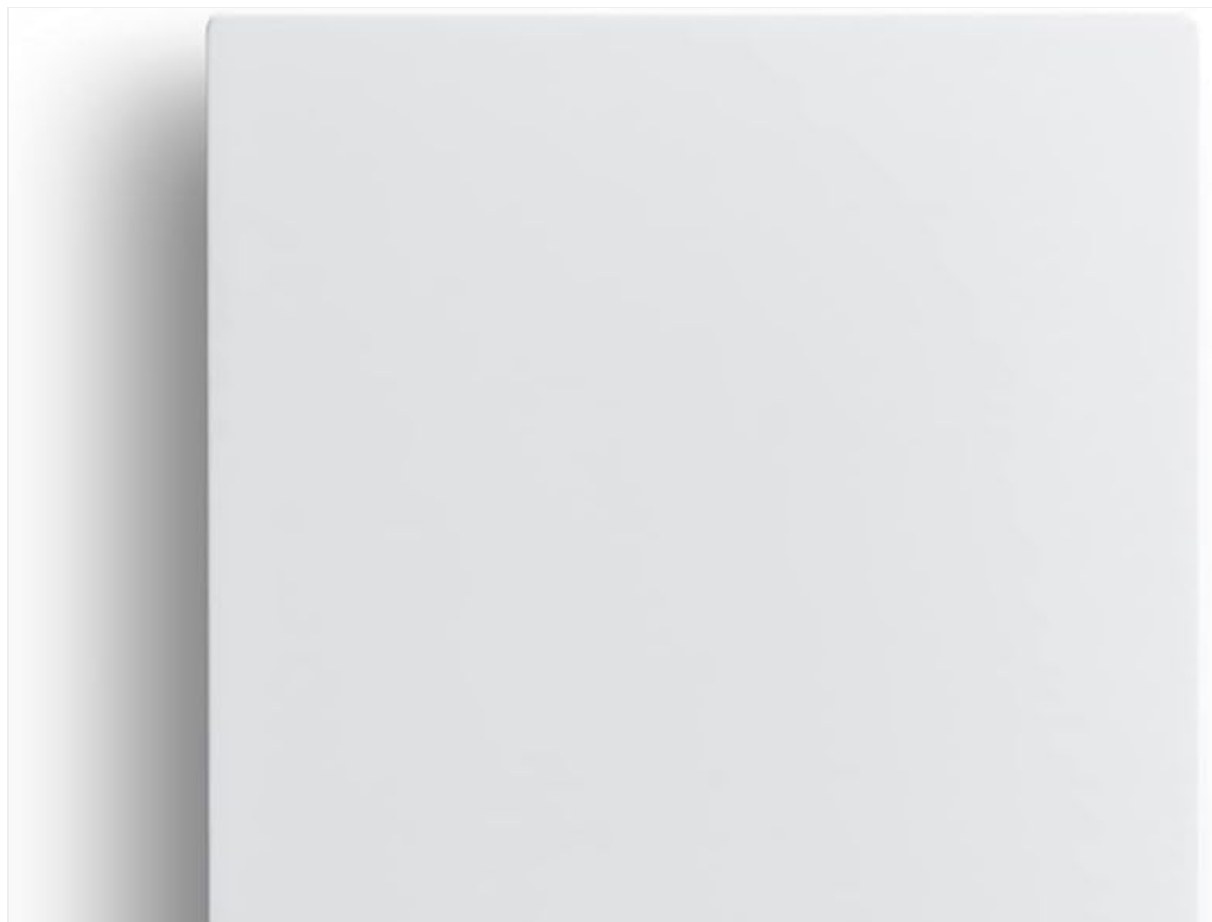




Figure 1: Front view of the Vaillant VED E 18/8 Electronic Instantaneous Water Heater.

## 2. SAFETY INSTRUCTIONS

**Important:** Installation of non-plug-in appliances must be carried out by a qualified professional or a registered specialist company. This ensures compliance with local regulations and safety standards. Failure to follow the warning and installation instructions in the provided manual can damage the product and void the warranty.

- Always disconnect power before performing any installation or maintenance.
- Ensure proper ventilation of the appliance before initial use.
- The appliance must be mounted vertically and within the appropriate protection zone according to DIN 57100/VDE 100 (> 60 cm distance from shower or bathtub area, socket, or sink).
- Adjustable anti-scald protection is integrated for user safety.

## 3. INSTALLATION

### 3.1 Unpacking and Inspection

Carefully unpack the water heater and inspect it for any damage. The package includes:

- Electronic instantaneous water heater
- Cold water connection (1/2")
- Hot water connection (1/2")
- Seals
- Mounting plate
- Central screw
- Mounting template
- User and installation manual
- Product data sheet
- Energy efficiency label

Screws and dowels are not included as they must be selected based on the specific mounting situation.

### 3.2 Mounting Location

The appliance is designed for vertical wall mounting. Ensure the chosen location complies with DIN 57100/VDE 100 protection zones (e.g., more than 60 cm from showers, bathtubs, sockets, or sinks). Under-sink installation may require additional accessories (article numbers 000479, 0020138088, 308086).

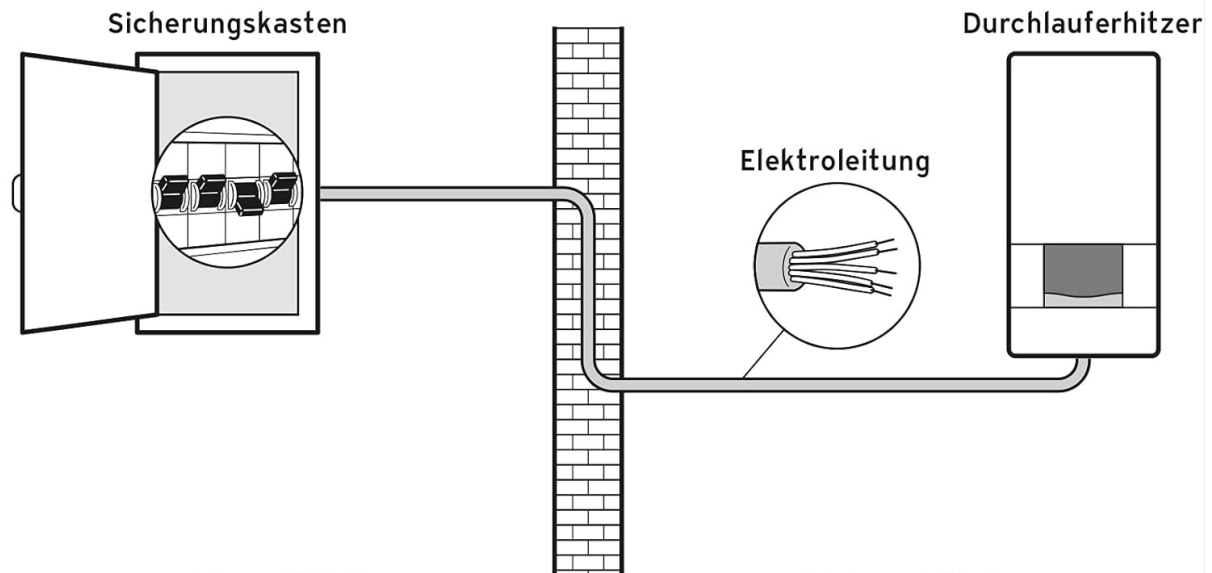


Figure 2: Example installation of the water heater in a bathroom environment.

### 3.3 Electrical Connection

The Vaillant VED E 18/8 requires a 400 V/50 Hz power supply. For the 18 kW model, a 5-wire connection cable with a cross-section of 6 mm<sup>2</sup> and a minimum three-phase protection of 32 amperes is required.

## Technische Anforderungen



Leistungsabhängige  
Absicherung:

18 kW	3 Sicherungen a 32 Ampere
21 kW	3 Sicherungen a 32 Ampere
24 kW	3 Sicherungen a 40 Ampere
27 kW	3 Sicherungen a 40 Ampere

Leistungsabhängige  
Leistungsquerschnitte:

18 kW	5 x 6 mm <sup>2</sup> Leitung
21 kW	5 x 6 mm <sup>2</sup> Leitung
24 kW	5 x 10 mm <sup>2</sup> Leitung
27 kW	5 x 10 mm <sup>2</sup> Leitung

Hinweis: Eine erweiterte bzw. höhere Leistungsabsicherung ist mit dem jeweiligen Energieversorger abzuklären.

Figure 3: Technical requirements for electrical connection. For 18 kW, use 3 x 32 Ampere fuses and a 5 x 6 mm<sup>2</sup> cable.

### 3.4 Water Connections

Connect the cold water supply to the designated cold water inlet (R 1/2") and the hot water outlet to the hot water pipe (R 1/2"). Ensure all connections are sealed properly using the provided gaskets. The unit is compatible with all standard pressure-resistant water taps (two-handle mixer and single-lever mixer).

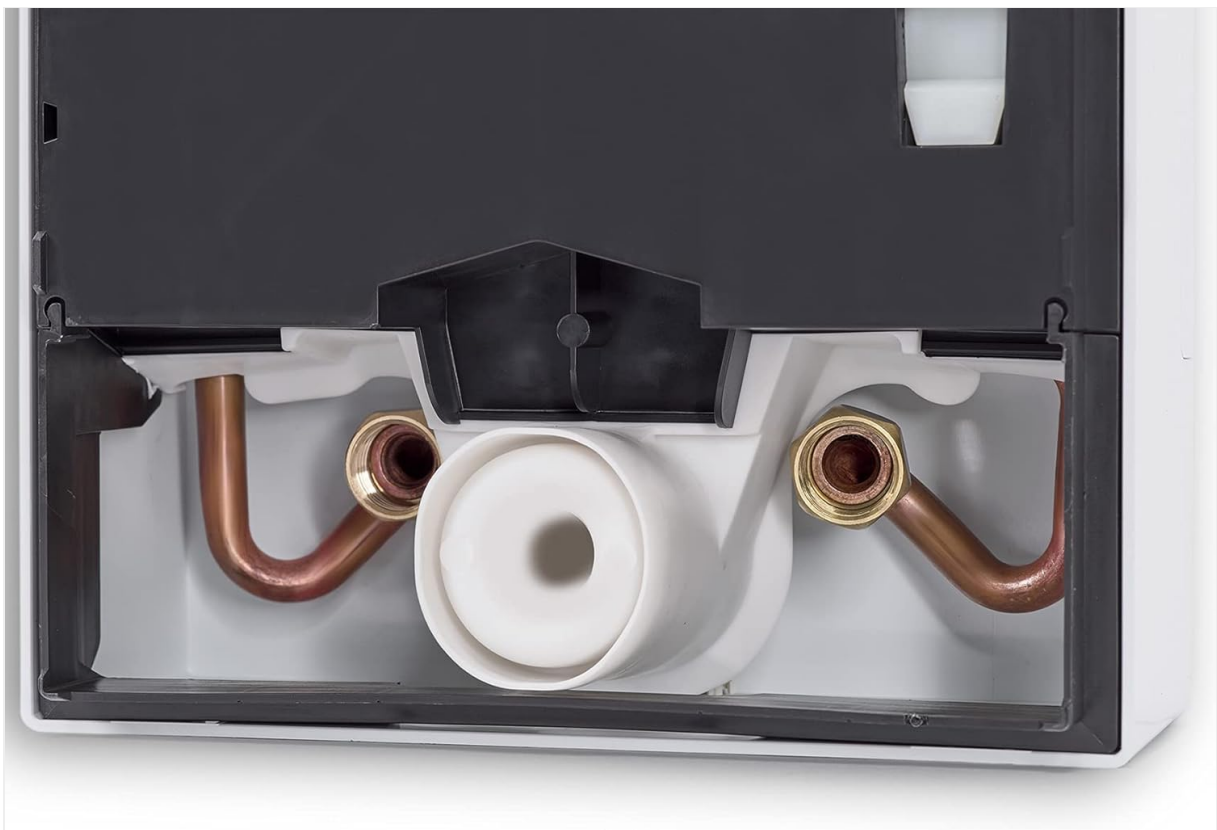


Figure 4: Detailed view of the cold and hot water connections at the bottom of the unit.

### 3.5 Commissioning

Before the first use, the appliance must be thoroughly vented. Open the tap and let water flow until no more air escapes. Only then should the electrical connection be made. This prevents damage to the heating elements.

## 4. OPERATING INSTRUCTIONS

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The Vaillant VED E 18/8 features a digital display for precise temperature control.



Figure 5: Digital display showing temperature and control knob for adjustment.

## 4.1 Temperature Adjustment

The desired hot water temperature can be continuously adjusted from 30 °C to 55 °C using the control knob on the front panel. The integrated digital display shows the set temperature.

## 4.2 Hot Water Flow

The unit provides a hot water flow rate of 8 liters per minute, allowing for simultaneous hot water supply to multiple points like a shower, sink, or bathtub.

## 5. MAINTENANCE

The Vaillant VED E 18/8 is designed for easy maintenance with easily replaceable components. Regular inspection by a qualified professional is recommended to ensure optimal performance and longevity.

- Periodically check water connections for leaks.
- Ensure the area around the appliance is clean and free from obstructions.
- For any internal maintenance, always consult a qualified technician.

## 6. TROUBLESHOOTING

If you experience issues with your water heater, please consider the following:

- **No hot water:** Check the electrical supply and circuit breakers. Ensure the unit was properly vented during commissioning.
- **Insufficient hot water:** Verify the set temperature. Check water pressure.
- **Error codes on display:** Refer to the full installation and operating manual for specific error code interpretations.

For complex issues or repairs, contact a qualified Vaillant service technician. Do not attempt to repair the unit yourself, as this may lead to further damage or safety hazards.

## 7. TECHNICAL SPECIFICATIONS

Below are the key technical specifications for the Vaillant VED E 18/8 Electronic Instantaneous Water Heater:

Feature	Specification
Manufacturer	Vaillant
Model Number	0010023777
Dimensions (L x W x H)	24 x 24 x 48.1 cm; 4.38 kg
Power	18 kW
Voltage	400 V
Frequency	50 Hz
Material	Plastic
Installation Method	Wall mounting
Flow Rate	8 liters per minute (hot water), 10 liters per minute (max)
Noise Level	15 dB
Display Type	LED
Protection Type	IP25 (Jet-proof)
Fuse Rating (recommended)	3 x 32 Amperes
Cable Cross-section (recommended)	6 mm²
Energy Efficiency Class	A
Annual Electricity Consumption	470 kWh





- dB

**470** -  
kWh/annum GJ/annum

2017

812/2013

Figure 6: Energy efficiency label for the Vaillant VED E 18/8, showing Class A rating and 470 kWh annual consumption.

For detailed product information and compliance, refer to the EPREL database:

<https://eprel.ec.europa.eu/qv/1532813>

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

Specific warranty details are typically provided with your purchase documentation. Please retain your proof of purchase for warranty claims. For any warranty-related inquiries, contact your retailer or Vaillant customer service.




### 8.2 Customer Support




For technical assistance, spare parts, or service, please contact Vaillant customer support:

- **Manufacturer:** Vaillant GmbH
- **Support Department:** Vaillant Certification Department
- **Email:** [info@vaillant.de](mailto:info@vaillant.de)
- **Website:** [www.vaillant.com](http://www.vaillant.com)
- **Telephone:** +49 180 6 824552
- **Address:** Berghäuser Str. 40, 42859 Remscheid, Germany

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### Related Documents - 0010023777

	<p><a href="#">Vaillant electronicVED pro Installation and Operation Manual</a></p> <p>Comprehensive guide for the Vaillant electronicVED pro instantaneous water heater, covering installation, operation, safety, maintenance, and troubleshooting. Includes technical specifications and model details.</p>
	<p><a href="#">VAILLANT protočni bojler miniVED H 3/3 Uputstvo za upotrebu i montažu</a></p> <p>Detaljno uputstvo za upotrebu i montažu protočnog bojlera VAILLANT miniVED H 3/3, sa specifikacijama, sigurnosnim uputstvima i savetima za održavanje. Saznajte kako pravilno instalirati i koristiti Vaillant bojler za efikasno grejanje vode.</p>
	<p><a href="#">Vaillant aroSTOR VWL BM 200/5 &amp; 270/5 Installation and Maintenance Manual</a></p> <p>Comprehensive installation and maintenance manual for Vaillant aroSTOR VWL BM 200/5 and VWL BM 270/5 heat pump water heaters. Covers safety instructions, product description, installation procedures, commissioning, operation, troubleshooting, maintenance, technical data, and disposal.</p>

	<p><a href="#">Vaillant ecoTEC plus Operating Instructions for Gas-Fired Boilers</a></p> <p>Official operating instructions for the Vaillant ecoTEC plus series of gas-fired wall-hung boilers. Covers safety, product description, operation, maintenance, troubleshooting, and warranty information.</p>
	<p><a href="#">Vaillant sensoCOMFORT Basic Operating Instructions</a></p> <p>A guide to the basic operating instructions for the Vaillant sensoCOMFORT heating control system, covering features like time programming, temperature override, and holiday mode.</p>
	<p><a href="#">Vaillant sensoCOMFORT: Advanced Heating Control System</a></p> <p>Explore the Vaillant sensoCOMFORT, an advanced multi-zone heating control system. Discover its features like weather compensation, intuitive interface, energy dashboard, and compatibility with Vaillant's heat pump range. Learn about wired and wireless configurations for optimal home comfort and efficiency.</p>