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› Vaillant electronicVED plus 21/8 Electronic Water Heater User Manual

Vaillant 0010023767

Vaillant electronicVED plus 21/8 Electronic Water Heater User Manual

Model: 0010023767

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Vaillant electronicVED plus 21/8 electronic water heater. Please read these instructions carefully before installation and use, and keep them for future reference. Failure to follow these instructions may result in product damage or personal injury.

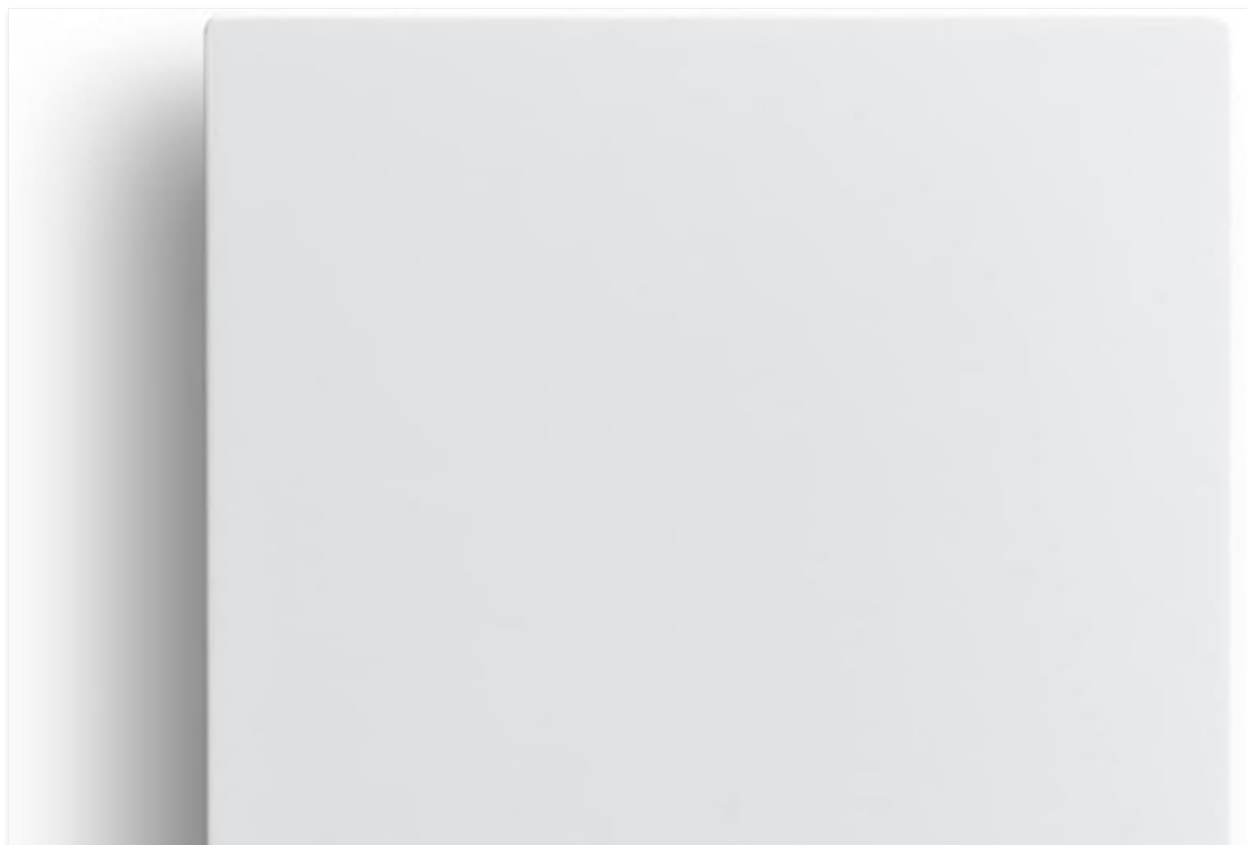




Figure 1: Front view of the Vaillant electronicVED plus 21/8 electronic water heater.

2. SAFETY INFORMATION

Important Safety Instructions:

- Installation of non-plug-in appliances must be performed by a registered specialized contractor or the respective network operator. They can also assist in obtaining approval from the power supply operator for the appliance's installation.
- The appliance must be mounted vertically and within the appropriate protection zone according to DIN 57100/VDE 100 (e.g., > 60 cm distance from shower, bathtub, sockets, or washbasins).
- Ensure the electrical supply meets the technical requirements specified for the 21 kW model (400 V/50 Hz, 5-wire connection cable with 6 mm² cross-section, three-phase, minimum 32 Ampere protection).
- The electronicVED plus features adjustable anti-scald protection and child safety functions. Ensure these are configured correctly during setup.

- Before first use, the appliance must be purged of air. Open the tap and let water flow until no more air escapes, then make the electrical connection.
- Failure to comply with the warning and installation instructions may damage the product and void the warranty.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	electronicVED plus 21/8
Power Output	21 kW
Voltage	400 V
Frequency	50 Hz
Hot Water Output	8 liters per minute
Temperature Range	20 °C to 55 °C (continuously adjustable)
Protection Type	IP25 (splash-proof)
Dimensions (L x W x H)	9.9 x 24 x 48.1 cm
Weight	4.4 kg
Material	ABS Plastic
Energy Efficiency Class	A
Noise Level	15 Decibels
Display Type	LED Graphic Display



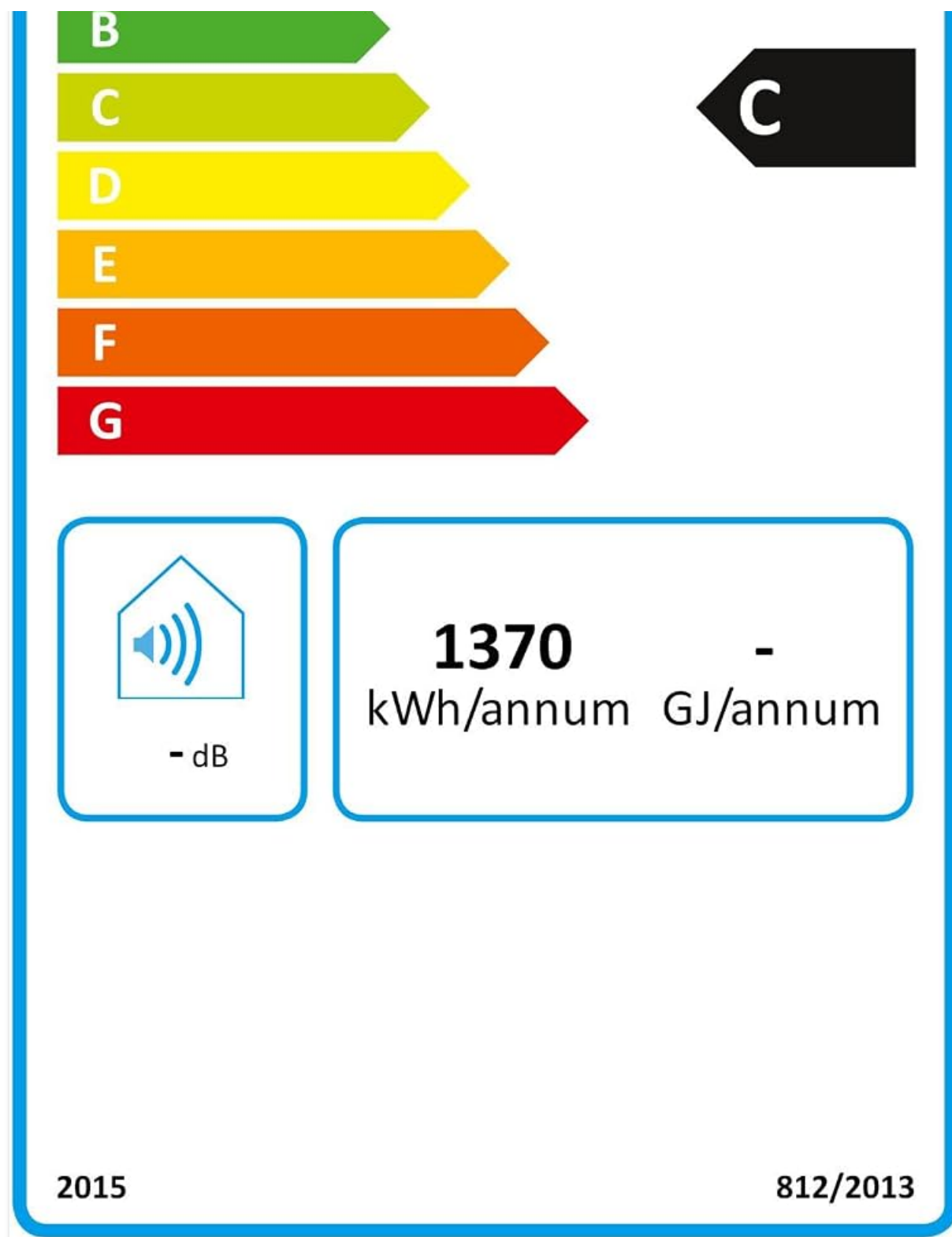


Figure 2: Energy Efficiency Label for Vaillant water heaters.

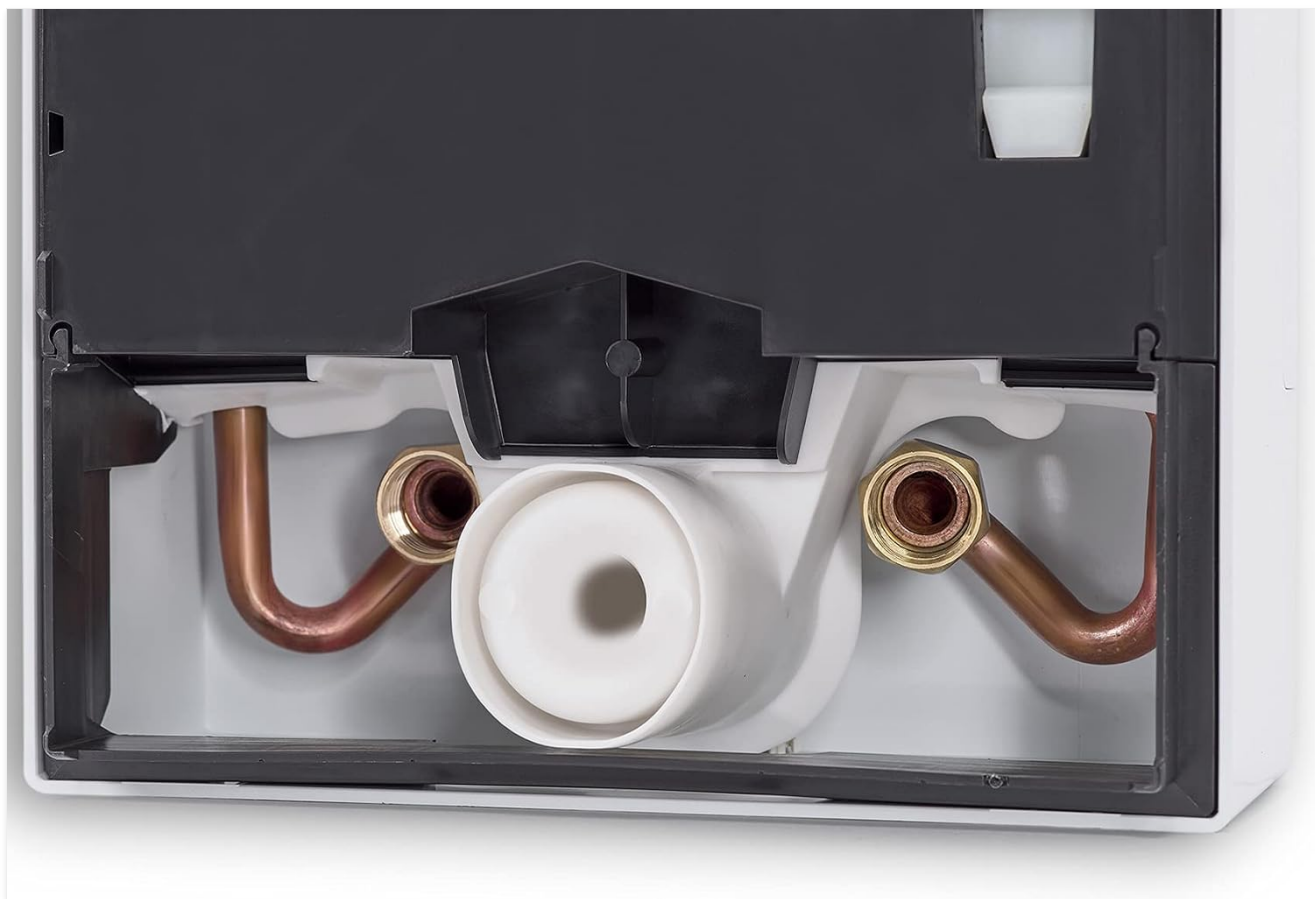
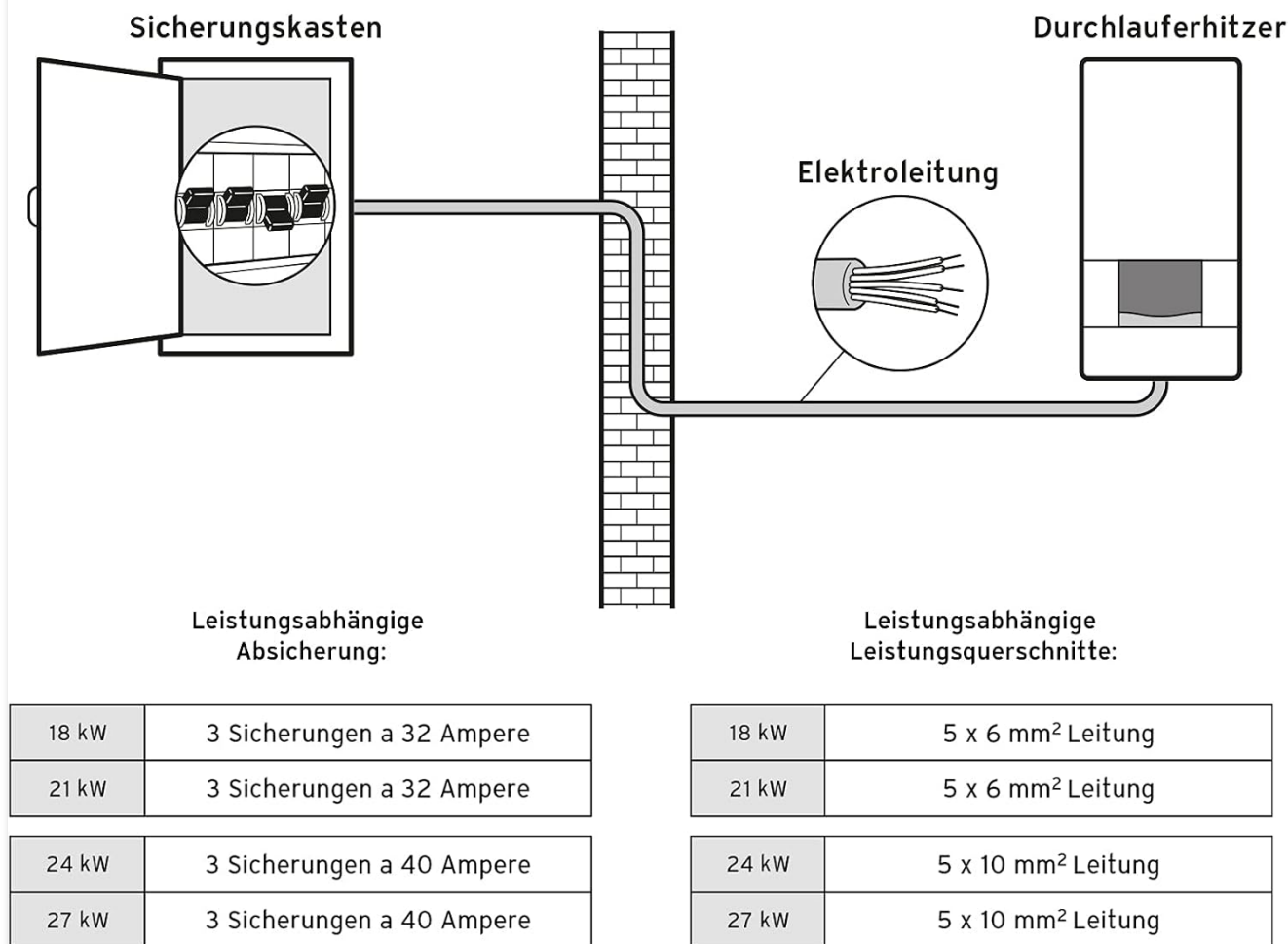


Figure 3: Technical requirements for electrical connection.

Note: An extended or higher fuse protection must be clarified with the respective energy supplier.

Technische Anforderungen



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

Figure 4: Dimensional drawing and connection points.

1. Cable entry bottom
2. Cable entry top
3. Central fastening
4. Display with control buttons
5. Hot water connection R 1/2
6. Cold water connection R 1/2

Existing fastening holes from all old installations can be used for new installations.

4. INSTALLATION

4.1 Scope of Delivery

The package includes:

- electronicVED plus water heater
- Cold water connection (R 1/2")
- Hot water connection (R 1/2")
- Seals
- Mounting plate

- Central screw
- Mounting template
- Operating and installation instructions

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

4.2 Mounting Location

The appliance is designed for wall mounting. It must be installed vertically in an appropriate protection zone according to DIN 57100/VDE 100. Maintain a distance of at least 60 cm from showers, bathtubs, sockets, or washbasins.



Figure 5: Example of water heater installation in a bathroom.

For under-sink installation, additional accessories may be required (Vaillant item numbers: 000479, 0020138088, 308086).

4.3 Water Connections

The water heater is designed for pressure-resistant water taps (both two-handle and mixer taps). It features identical connections (water fittings and mounting plate) across various Vaillant models, simplifying replacement.



Figure 6: Rear view with mounting plate and connections.





Figure 7: Detail of water connections.

4.4 Electrical Connection

The 21 kW model requires a 400 V/50 Hz power supply with a 5-wire connection cable (6 mm² cross-section) and three-phase protection of at least 32 Amperes. Consult a qualified electrician for proper installation and to ensure compliance with local regulations.

5. OPERATION

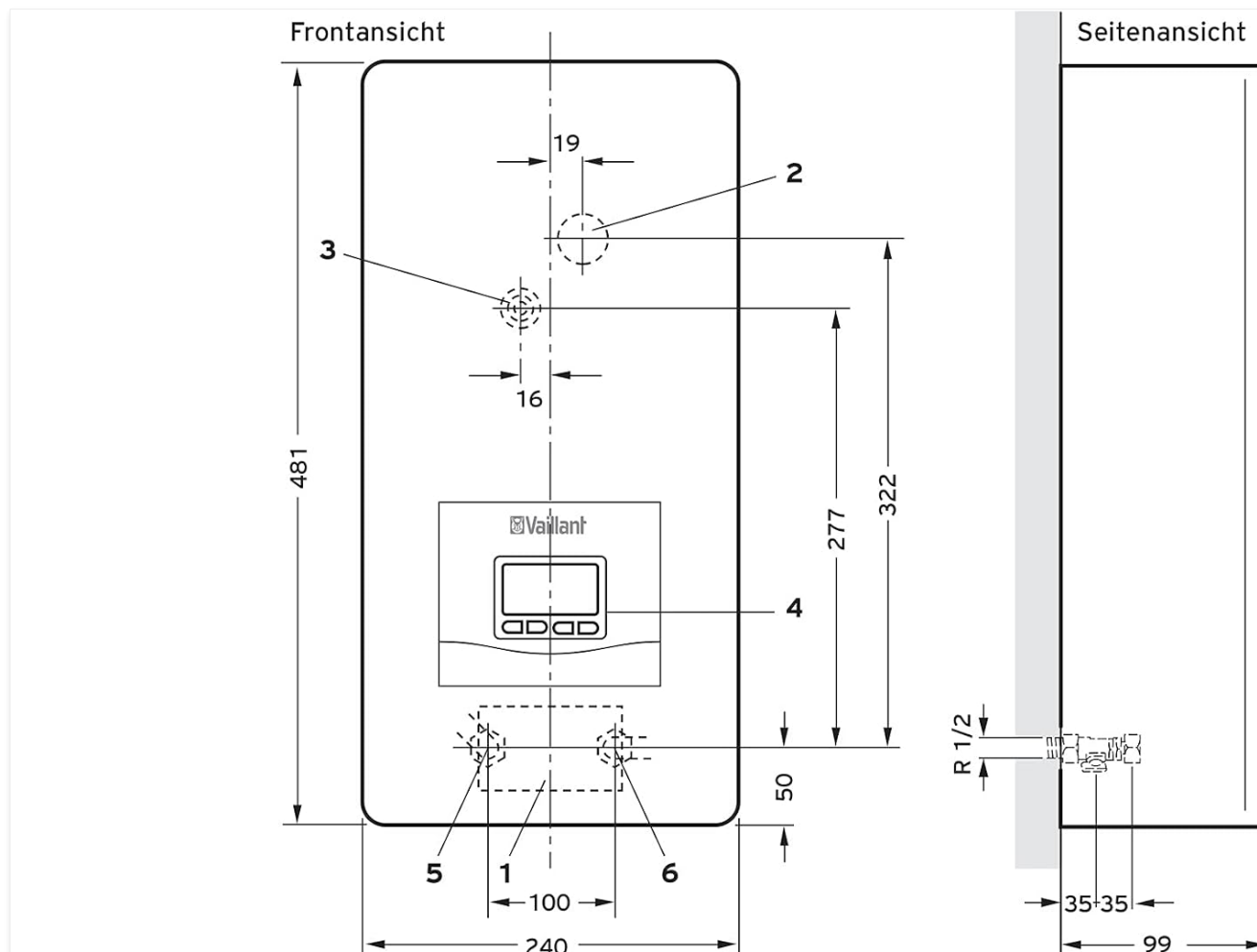
5.1 Commissioning

Before initial operation, the appliance must be purged of air. Follow these steps:

1. Open the hot water tap connected to the water heater.
2. Allow water to flow through the appliance until no more air escapes and the water stream is steady.
3. Only after purging, connect the electrical power to the appliance.

5.2 Temperature Setting

The electronicVED plus features a graphic display and an intuitive operating menu for precise temperature control. The outlet temperature can be set continuously from 20 °C to 55 °C.



- 1 Kabeleinführung unten
- 2 Kabeleinführung oben
- 3 Zentralbefestigung
- 4 Display mit Bedientasten
- 5 Warmwasseranschluss R 1/2
- 6 Kaltwasseranschluss R 1/2
- R = Außengewinde

Vorhandene Befestigungslöcher aller Alt-Installationen können bei Neu-Installation übernommen werden.

Figure 8: Digital display and control buttons.

Use the '+' and '-' buttons to adjust the desired water temperature. The integrated energy monitor displays consumption data, helping you manage energy usage.

5.3 Safety Features

The appliance includes child safety and adjustable anti-scald protection. Refer to the detailed operating instructions provided with the product for information on how to activate and configure these features.

6. MAINTENANCE

The Vaillant electronicVED plus is designed for easy maintenance with easily replaceable components. Regular inspection by a qualified technician is recommended to ensure optimal performance and safety.

- Periodically check for any leaks around the water connections.
- Keep the exterior of the appliance clean using a soft, damp cloth. Avoid abrasive cleaners.
- Do not attempt to open or repair the appliance yourself. Contact a qualified service professional for any repairs.

7. TROUBLESHOOTING

If you experience issues with your water heater, consider the following general troubleshooting steps:

- **No hot water:** Check the electrical supply and ensure the circuit breaker has not tripped. Verify that the water supply is open.
- **Insufficient hot water:** Ensure the temperature setting is appropriate. Check if the water flow rate is too high for the appliance's capacity.
- **Error message on display:** Consult the detailed operating instructions for specific error codes and their remedies.

For persistent problems, contact Vaillant customer support or a qualified service technician.

8. WARRANTY AND SUPPORT

Vaillant ensures the quality of its products. During the final factory inspection, all devices undergo safety and functional testing. Slight water residues may be present in the device due to this testing.

Spare parts for this model are available for 2 years from the date of purchase.

For support, technical inquiries, or warranty claims, please contact Vaillant customer service:

- **Website:** www.vaillant.com
- **Email:** info@vaillant.de
- **Telephone:** +49 180 6 824552
- **Address:** Berghäuser Str. 40, 42859 Remscheid, Germany

For detailed product information and compliance documents, you can visit the EPREL database:

- **EPREL Registration Number:** 1532687
- **EPREL Link:** <https://eprel.ec.europa.eu/qr/1532687>