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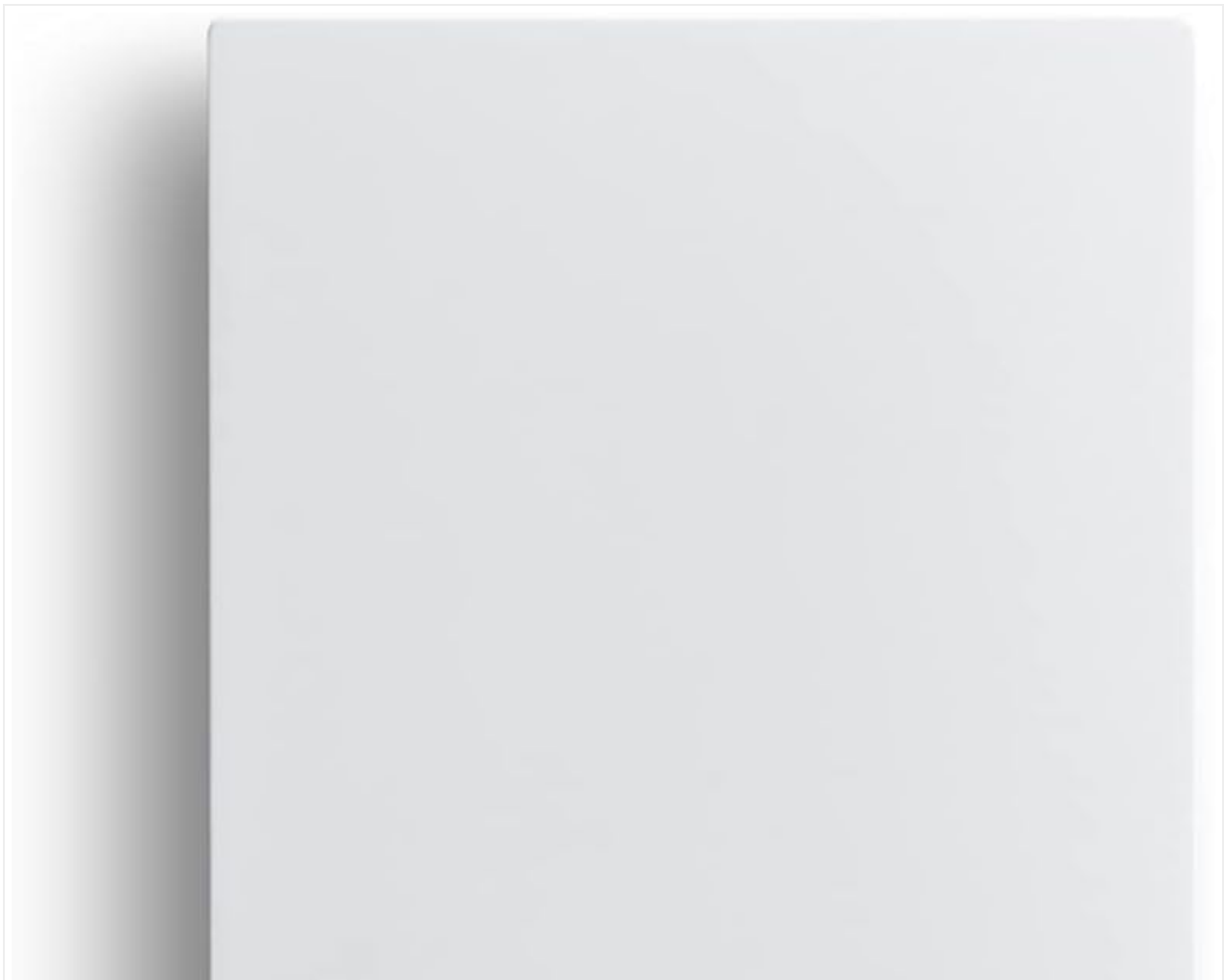
Vaillant VED E 24/8

Vaillant VED E 24/8 Instantaneous Electronic Water Heater User Manual

Model: VED E 24/8 | Brand: Vaillant

INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Vaillant VED E 24/8 instantaneous electronic water heater. Please read these instructions carefully before installation and use, and keep them for future reference.





Front view of the Vaillant VED E 24/8 instantaneous electronic water heater, showcasing its compact design and integrated digital display.

SAFETY INFORMATION

Important: Installation of non-plug-in appliances must be performed by a qualified operator or a registered specialized establishment. This professional will also assist in obtaining network operator approval for the appliance's installation. During the final factory inspection, all appliances undergo safety and functional testing. Minor water residues may be present in the appliance; this is normal and does not indicate a defect.

Electrical Connection Requirements:

- Connection: 400 V/50 Hz.
- Fixed connection.
- Protection class: IP25.
- Power requirement: 24 kW.
- Supply line: 5 wires with a cable cross-section of 10 mm².
- Rated current of fuses: 3 x 40 amperes.

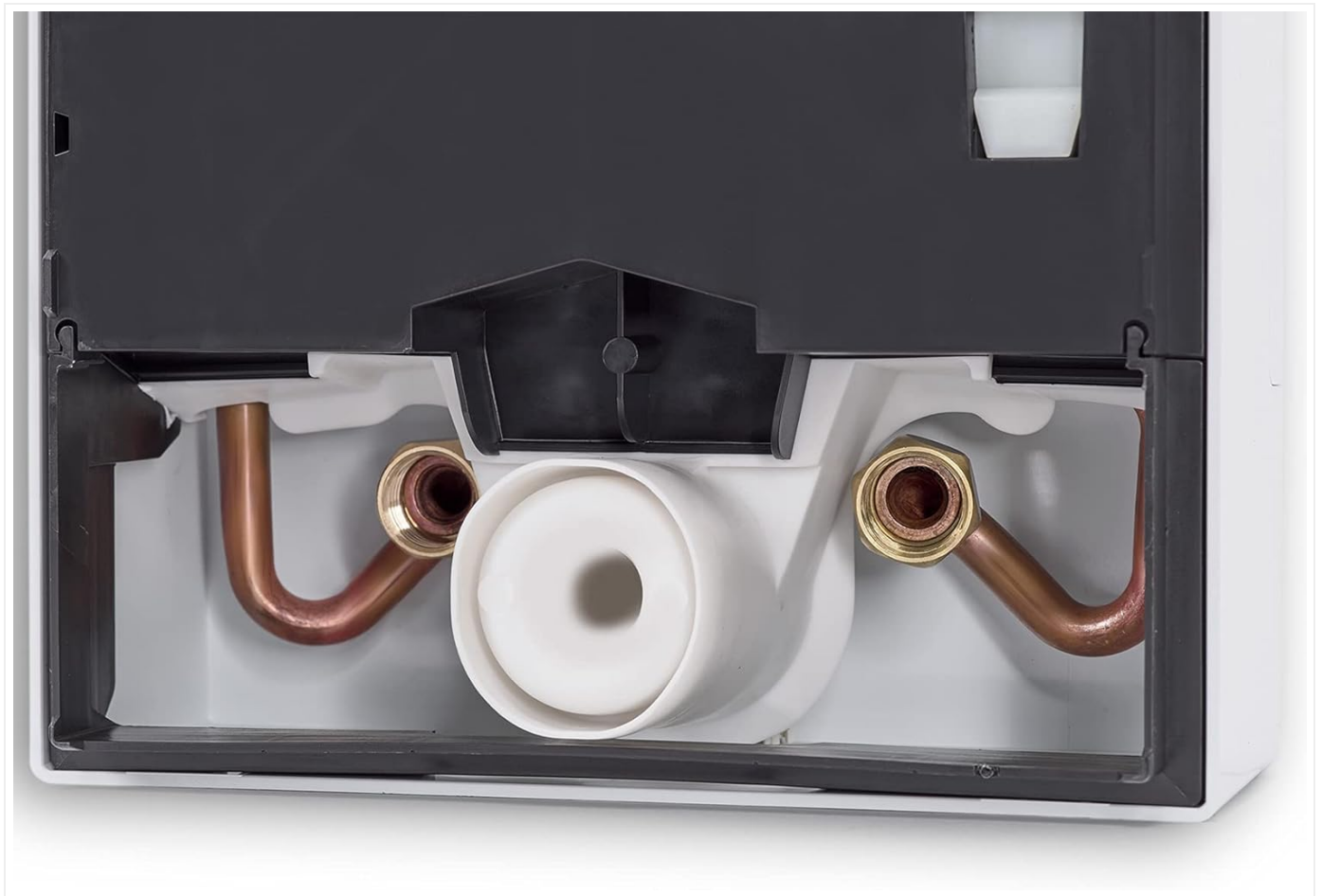


Diagram illustrating the technical electrical requirements, including fuse box connections and cable cross-sections for different power ratings, specifically highlighting the 24 kW requirement of 3 x 40 Amp fuses and 5 x 10 mm² cable.

SETUP AND INSTALLATION

Mounting Instructions:

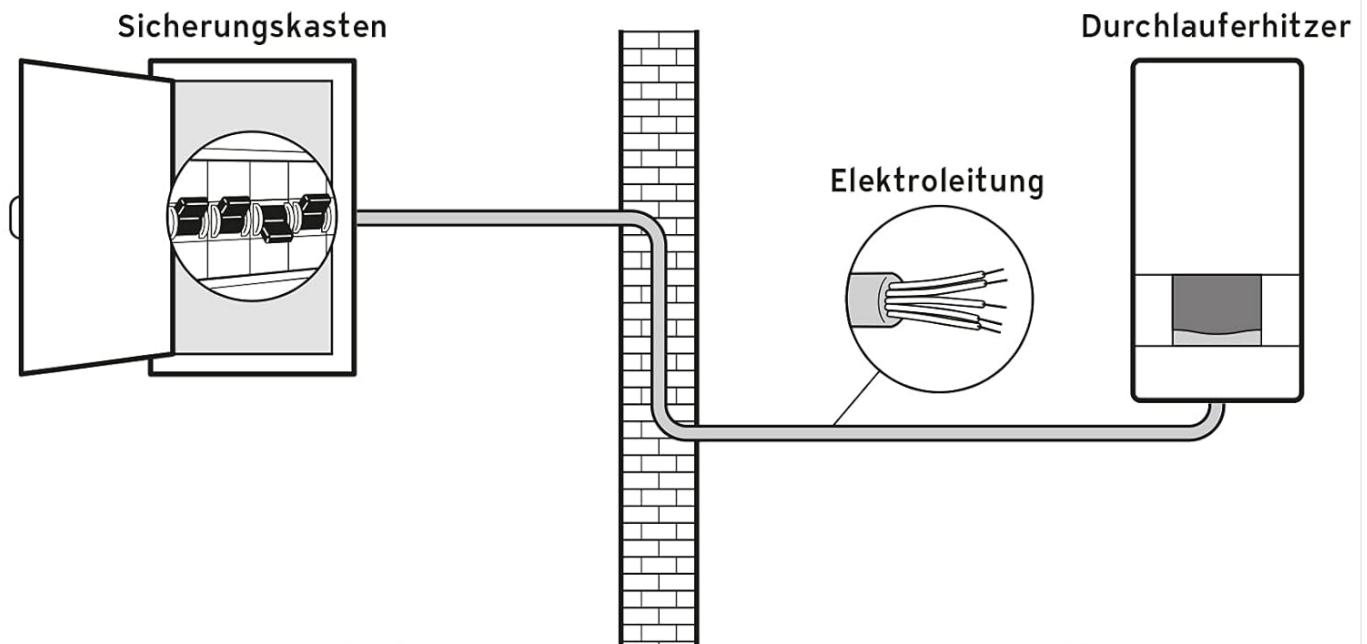
- The appliance must be mounted vertically.
- Install within the appropriate protection zone according to DIN 57100/VDE 100 (> 60 cm distance from shower or bathtub area, socket, or sink).
- Installation under a sink may require additional accessories (part numbers 000479, 0020138088, 308086).
- Existing mounting holes from previous installations can be used for new installations.



The Vaillant VED E 24/8 water heater mounted vertically on a bathroom wall, demonstrating its integration into a typical home environment.

Dimensions and Connections:

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 ² Leitung
21 kW	5 x 6 mm ² Leitung
24 kW	5 x 10 mm ² Leitung
27 kW	5 x 10 mm ² Leitung

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

Technical drawing showing the front and side dimensions of the water heater, including cable entry points, central fastening, display with controls, and hot/cold water connections (R 1/2). All dimensions are in millimeters.

- Dimensions (L x W x H): 24 cm x 24 cm x 48.1 cm.
- Weight: 4.4 kg.
- Hot water connection: R 1/2.
- Cold water connection: R 1/2.

Initial Commissioning:

1. Before first use, the appliance must be thoroughly vented.
2. Open the tap and allow water to flow until no more air escapes.
3. Only then, make the electrical connection.

OPERATING INSTRUCTIONS

The Vaillant VED E 24/8 provides reliable hot water for one or multiple draw-off points, with a capacity of 8 liters per minute. Simultaneous hot water supply in the bathroom (shower, sink, or bathtub) is possible.

Temperature Control:

- Output temperatures are precisely and continuously adjustable from 30 °C to 55 °C.
- Adjust the temperature using the integrated digital temperature display and control knob.



A detailed view of the digital display showing '34°C' and the rotary control knob for precise temperature adjustment on the Vaillant VED E 24/8.

Safety Features:

- Equipped with adjustable anti-scald protection.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your water heater. For detailed maintenance procedures, consult a qualified technician.

General Care:

- Keep the exterior of the appliance clean. Use a soft, damp cloth for cleaning.

- Do not use abrasive cleaners or solvents.

Professional Inspection:

- It is recommended to have the appliance inspected by a qualified professional periodically to ensure optimal performance and safety.
- Check for any signs of leaks or unusual operation.

TROUBLESHOOTING


This section provides guidance for common issues. For complex problems, contact a qualified service technician.

Problem	Possible Cause	Solution
No hot water	No power supply, air in the system, or appliance malfunction.	Check circuit breaker. Vent the system by opening taps until water flows steadily. If problem persists, contact service.
Water not hot enough	Temperature setting too low, insufficient water flow, or power issue.	Increase temperature setting. Ensure adequate water pressure. Verify electrical supply meets specifications.
Water flow is weak	Clogged aerator or filter, low water pressure.	Clean or replace aerators/filters. Check main water supply pressure.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	0010023779
Brand	Vaillant
Power Output	24 kW
Voltage	400 Volts
Frequency	50 Hz (Derived from 400V/50Hz connection)
Dimensions (L x W x H)	24 cm x 24 cm x 48.1 cm
Weight	4.4 kg
Flow Rate	8 Liters per minute
Maximum Pressure	10 Bars
Noise Level	15 dB
Protection Class	IP25
Installation Method	Wall-mounted
Material	Plastic
Energy Efficiency Rating	A

Feature	Specification
Annual Electricity Consumption	469 kWh



ENERG


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Vaillant

VED E 24/8


S

A⁺

A

B


C

D

E

F

A



- dB

469

kWh/annum - GJ/annum



The official energy efficiency label for the Vaillant VED E 24/8, clearly displaying an 'A' rating for water heating energy efficiency and an annual electricity consumption of 469 kWh.

For more detailed product information, refer to the official EU product fiche <https://eprel.ec.europa.eu/qr/1532817>

WARRANTY AND SUPPORT

Warranty Information:

Information regarding spare parts availability is currently unavailable. Please contact Vaillant customer service for specific warranty details applicable to your region.

Customer Support:

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

