Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Vaillant miniVED H 3/3 (0010044420)

Vaillant miniVED H 3/3 Hydraulic Instantaneous Water Heater User Manual

Model: miniVED H 3/3 (0010044420)

Brand: Vaillant

1. Introduction and Product Overview

The Vaillant miniVED H 3/3 is a compact, hydraulically controlled instantaneous water heater designed to provide quick and efficient hot water for single washbasins, particularly suitable for guest bathrooms or small kitchens. This unit offers a convenient and energy-saving solution for on-demand hot water supply.

Key features include:

- **Rapid and Economical Heating:** Delivers warm water within seconds, ideal for handwashing.
- **Functional Heating System:** Equipped with a high-quality bare-wire heating system, a differential pressure switch, and a safety pressure switch for reliable operation.
- **Compact Dimensions:** Space-saving design ensures hot water comfort even for the smallest washbasins.
- **Energy Efficiency:** Can achieve up to 65% energy savings compared to small storage heaters when used with the included flow regulator.



Image: Front view of the Vaillant miniVED H 3/3 instantaneous water heater, showing its compact white casing with the Vaillant logo and "miniVED" branding.

2. Safety Instructions

Please read and understand all safety instructions before installation, operation, or maintenance of the Vaillant miniVED H 3/3. Failure to comply with these warnings and installation instructions may result in product damage or personal injury.

- **Professional Installation:** The appliance must be installed and connected by a qualified professional tradesperson to ensure adequate safety.
- **Initial Commissioning - Venting:** Before initial commissioning, the appliance must be thoroughly vented. To do this, open the water tap and let water run through the appliance until no more air escapes. Only then should the electrical connection be established.
- **Pressure-Resistant Armature:** The instantaneous water heater may only be operated with a pressure-resistant armature (2 connection hoses).
- **Electrical Safety:** Ensure the electrical supply matches the appliance's requirements (230V, 3.5 kW) and that proper grounding is in place. The unit is equipped with a Schuko plug.
- **Water Temperature:** Be aware that water temperature can vary based on inlet temperature and flow rate.

3. Setup and Installation

The Vaillant miniVED H 3/3 is designed for under-sink or wall-mounted installation. Due to the electrical and plumbing connections, installation must be performed by a qualified professional.

3.1. Pre-Installation Checks

- Verify that the installation location is suitable, providing adequate space and access for maintenance.
- Ensure the water supply lines are compatible and that a pressure-resistant armature with two connection hoses is available.
- Confirm the electrical circuit can support the 3.5 kW power requirement of the unit.

3.2. Mounting the Unit

The unit should be securely mounted in the desired position (under-sink or wall-mounted) using appropriate fasteners. Refer to the detailed mounting instructions provided in the separate installation manual for specific drilling templates and hardware requirements.



Image: Back view of the Vaillant miniVED H 3/3, illustrating the mounting points for secure installation and the integrated electrical cable with a Schuko plug.

3.3. Water and Electrical Connections

Connect the water inlet and outlet hoses to the appropriate fittings on the unit and the pressure-resistant armature. Ensure all connections are watertight. Once plumbing is complete, and before connecting to the electrical supply, perform the initial venting procedure as described in the Safety Instructions section (2).

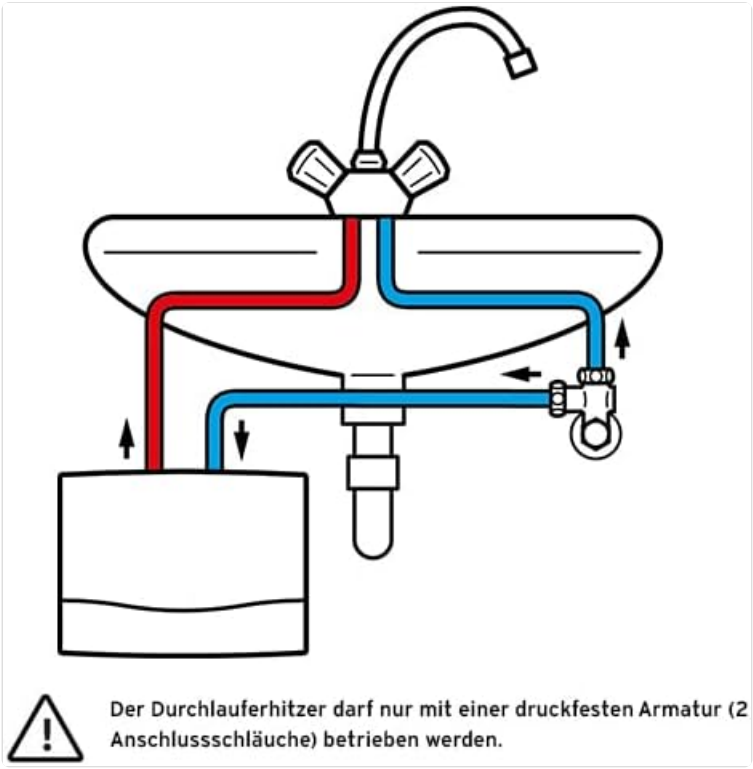


Image: Schematic diagram illustrating the correct hydraulic connection of the instantaneous water heater to a sink, emphasizing the need for a pressure-resistant armature with two connection hoses.

After successful venting, plug the unit into a suitable 230V electrical outlet. The unit is now ready for operation.

4. Operating Instructions

The Vaillant miniVED H 3/3 operates automatically based on water flow. When the hot water tap is opened, the unit detects the water flow and instantly begins heating the water to the desired temperature.

4.1. Water Temperature and Flow Rate

The actual hot water temperature delivered by the miniVED H 3/3 depends on the inlet water temperature and the flow rate. The unit is designed to provide a comfortable warm water temperature for handwashing.

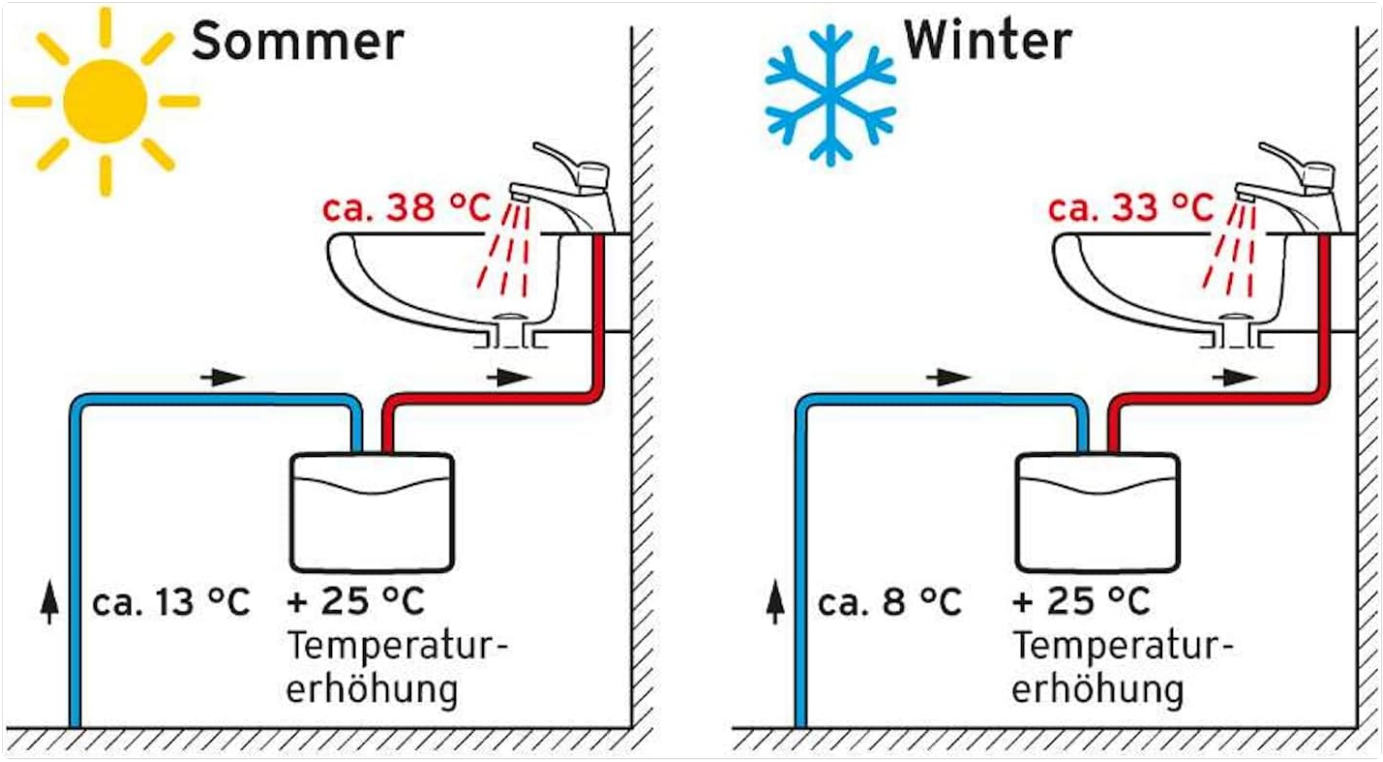


Image: Diagram showing approximate water output temperatures. In summer (inlet ~13°C), temperature can reach ~38°C. In winter (inlet ~8°C), temperature can reach ~33°C, both with a ~25°C temperature increase.

The miniVED H 3/3 has a flow rate dependent on its power, typically ranging from 2 to 3.2 liters per minute. For optimal energy efficiency, it is recommended to use the included flow regulator.

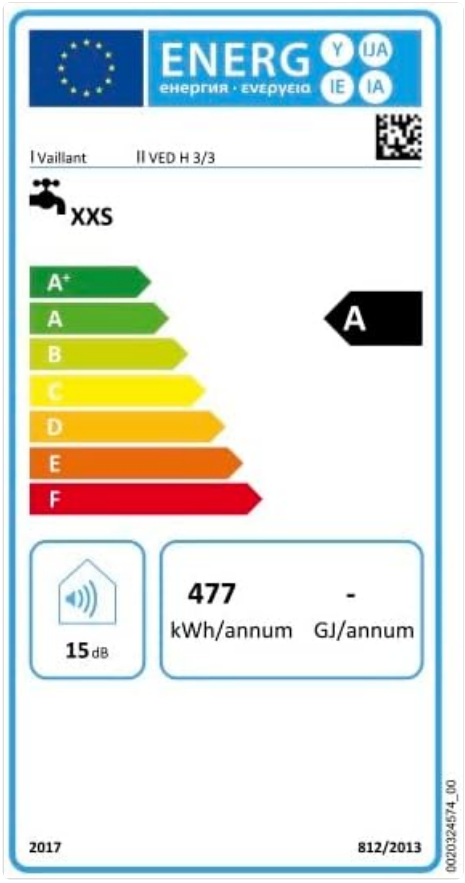


Image: Table detailing the flow rates for various miniVED H models. The miniVED H 3/3 (N) provides approximately 2.0 liters per minute.

4.2. Energy Saving Tips

- Utilize the included flow regulator to limit water consumption and maximize energy savings.

- Only open the hot water tap when warm water is genuinely needed.

5. Maintenance

Regular maintenance ensures the longevity and efficient operation of your Vaillant miniVED H 3/3. While the unit is largely maintenance-free, certain checks are recommended.

- **Regular Cleaning:** Clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Flow Regulator Cleaning:** Periodically check and clean the flow regulator and faucet aerator for any mineral deposits or debris that might reduce water flow.
- **Professional Inspection:** It is advisable to have the unit inspected by a qualified professional every few years to check for internal scaling, electrical connections, and overall performance.
- **Descaling:** In areas with hard water, mineral deposits (limescale) can build up over time. If you notice a significant reduction in hot water flow or temperature, professional descaling may be required.

Note: There are no user-serviceable parts inside the unit. Any internal repairs or component replacements must be carried out by a qualified technician.

6. Troubleshooting

This section provides guidance for common issues you might encounter with your instantaneous water heater. For complex problems, always contact a qualified professional.

Problem	Possible Cause	Solution
No hot water or insufficient hot water.	◦ No electrical power. ◦ Unit not properly vented. ◦ Water flow too low. ◦ Inlet water temperature too low (especially in winter). ◦ Internal fault (e.g., hydraulic valve).	◦ Check power supply and circuit breaker. ◦ Re-vent the unit by running water through it until no air escapes, then reconnect power. ◦ Ensure sufficient water pressure and flow. Clean faucet aerator if clogged. ◦ This is normal for very cold inlet water; the unit provides a temperature increase, not a fixed output temperature. ◦ Contact a qualified professional for inspection and repair.
Low water flow from the tap.	◦ Clogged faucet aerator or flow regulator. ◦ Low water pressure in the main supply. ◦ Internal scaling.	◦ Clean or replace the faucet aerator and check the flow regulator. ◦ Contact your water utility provider. ◦ Contact a qualified professional for descaling.

If the problem persists after attempting these solutions, please contact Vaillant customer support or a certified service technician.

7. Technical Specifications

Specification	Value
Model Number	0010044420 (miniVED H 3/3)
Power Output	3.5 kW
Voltage	230 Volt
Product Dimensions (H x W x D)	14.3 cm x 19.1 cm x 7.9 cm (approx. 5.6 x 7.5 x 3.1 inches)
Item Weight	1.4 Kilograms (approx. 3.1 lbs)
Maximum Pressure	10 Bar
Installation Method	Under-sink, Wall-mounted
Energy Efficiency Class	A
Scope of Delivery	miniVED unit, energy-saving water jet regulator, operating and installation instructions, product data sheet, energy efficiency label.



Image: The Vaillant miniVED H 3/3 unit discreetly installed under a sink, demonstrating its compact size and suitability for small spaces.

8. Warranty and Support

For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official Vaillant website. Keep your proof of purchase for warranty claims.

For technical support, spare parts, or service inquiries, please contact Vaillant customer service. It is recommended to have the model number (0010044420) and serial number of your unit ready when contacting support.

You can find more information and contact details on the official Vaillant website: www.vaillant.de

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B09WYZ1Y2W

More documents and user manuals: **https://manuals.plus/**