CLAGE 1500

CLAGE MBH 3 Tankless Water Heater Instruction Manual

Model: 1500 | Brand: CLAGE

1. Introduction

Thank you for choosing the CLAGE MBH 3 compact tankless water heater. This appliance is designed to provide instant hot water for a single tap, such as a washbasin, offering efficiency and convenience. This manual contains important information regarding the safe installation, operation, and maintenance of your new water heater. Please read it thoroughly before installation and keep it for future reference.

Product Features:

- **Instant Hot Water:** Delivers hot water between 15°C and 40°C at a flow rate of 2 liters per minute.
- **Compact Design:** Small and space-saving, ideal for installation under a washbasin.
- **Pressure Resistant:** Suitable for pressure-resistant fittings, with a maximum operating pressure of 10 bars.
- **Energy Efficient:** Hydraulically controlled system with a nominal power of 3.5 kW, 230 V, 16 A.
- **Easy Installation:** Ready for connection, designed for straightforward setup.



Image: This image illustrates the compact size and efficiency of the CLAGE MBH 3 by comparing it to a larger, older 5-liter storage heater. The text highlights that the new unit saves space and reduces operating costs by up to 70€ per year compared to traditional storage heaters.

2. Safety Information

Please observe the following safety instructions to prevent injury and damage to the appliance:

- Installation must be performed by a qualified electrician and plumber in accordance with local regulations and standards.
- Ensure the main power supply is disconnected before any installation or maintenance work.
- The appliance must be properly grounded.
- Do not operate the water heater if it is damaged or malfunctioning.
- This appliance is not suitable for showering. It is intended for washbasin use only.
- Protect the appliance from freezing temperatures.
- Do not block the water outlet or tamper with the safety valve.

3. Package Contents

Upon unpacking, please ensure all the following components are present:

- CLAGE MBH 3 Tankless Water Heater Unit (Model 1500)
- Installation and Operating Instructions Manual
- Mounting hardware (screws, wall plugs)
- T-piece and pressure hose (for pressure-resistant installations)
- Flow regulator (for faucet outlet)

4. Specifications

Specification	Value
Brand	CLAGE
Model Number	1500
Product Dimensions (L x W x H)	18.6 x 18.6 x 13.5 cm
Item Weight	1.01 kg (2.23 pounds)
Color	White
Material	Plastic
Power Source	Corded Electric
Power / Wattage	3.5 kW
Voltage	230 Volts
Maximum Flow Rate	2 Liters per minute
Heat Output (Temperature Rise)	Up to 45°C (depending on inlet temperature and flow)
Maximum Operating Pressure	10 Bars
Installation Type	Wall Mounted
Energy Efficiency Class	A
GTIN / UPC	401043616003



Image: This image displays the compact dimensions of the CLAGE MBH 3 (18.6 cm width, 13.5 cm height) and its discreet placement under a washbasin. It emphasizes that the unit is designed for washbasins and not for showering, and provides instant hot water without dripping or expansion water.



Image: This image shows the CLAGE MBH 3 installed under a sink, highlighting its 65 cm long electrical cable and water connections. It lists benefits such as delivering warm water for hand washing, improved hygiene due to short pipe runs, operating cost savings, environmental friendliness (less water/energy/CO2), and VDE testing.

5. Setup and Installation

Important: Installation must be carried out by a qualified professional in compliance with all local electrical and plumbing regulations.

5.1 Pre-Installation Checks

- Verify that the electrical supply (230 V, 16 A) is available and suitable for the appliance's power requirements (3.5 kW).
- Ensure adequate space under the washbasin for the unit (dimensions: 18.6 x 18.6 x 13.5 cm).
- Check water pressure. The unit is designed for a maximum operating pressure of 10 bars.

5.2 Mounting the Unit

1. Choose a suitable, stable location under the washbasin, ensuring easy access for maintenance.
2. Mark the drilling points for the mounting screws using the provided template or by holding the unit in place.
3. Drill holes and insert wall plugs.
4. Securely mount the water heater to the wall using the provided screws.

5.3 Water Connection

The CLAGE MBH 3 can be installed with either pressureless or pressure-resistant fittings.

1. **For Pressureless Fittings (Standard):** Connect the cold water inlet to the unit. The hot water outlet from the unit connects directly to the faucet. Ensure all connections are watertight.
2. **For Pressure-Resistant Fittings:** Use the supplied T-piece and pressure hose. Connect the cold water supply to the T-piece. One outlet of the T-piece connects to the unit's cold water inlet, and the other to the faucet's cold water inlet. The unit's hot water outlet connects to the faucet's hot water inlet.
3. Open the main water supply and check for leaks.

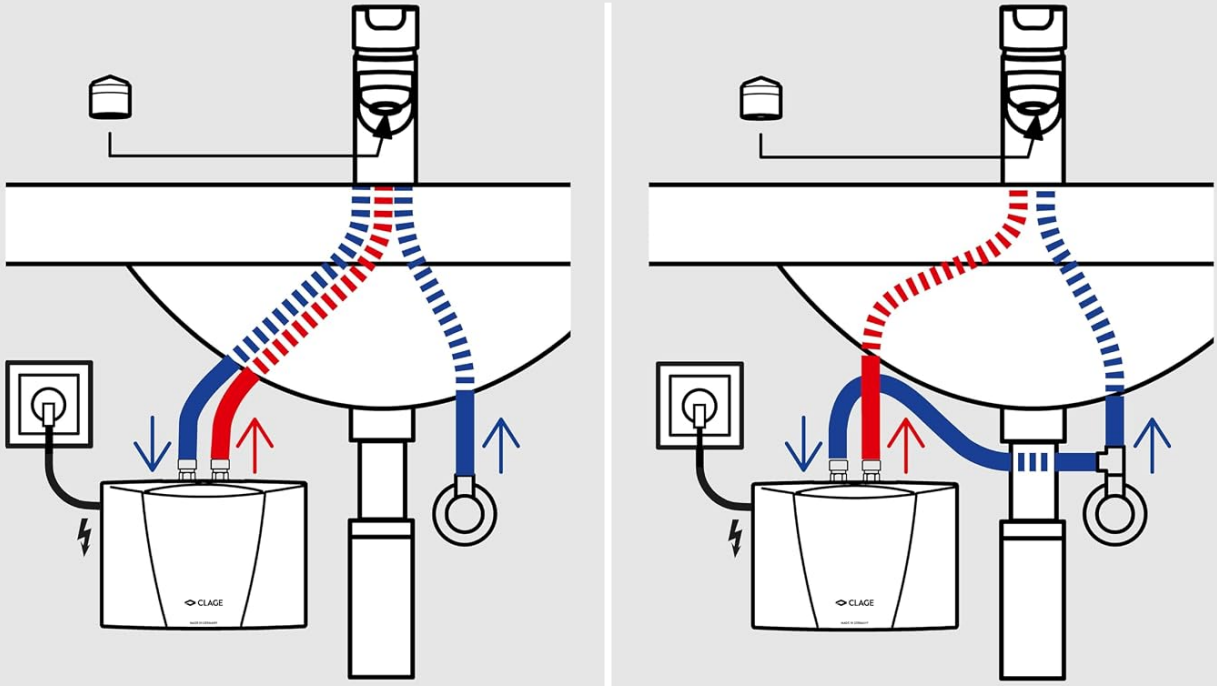
5.4 Electrical Connection

1. Ensure the main power supply is OFF.
2. Connect the appliance to a dedicated 230 V, 16 A electrical circuit. The unit comes with a power cable for direct connection.
3. Ensure proper grounding.

5.5 Initial Startup

1. Before switching on the power, open the hot water tap at the washbasin and let water run until all air is purged from the system and water flows smoothly.
2. Close the hot water tap.
3. Switch on the electrical power supply to the unit.
4. Open the hot water tap again. The unit will now begin to heat the water instantly.

Einfache Montage in ca. 10 Minuten
mit Schuko-Stecker 230 V
3,5 kW | 1×16 A | 2 l/min
Mitgelieferten Strahlregler einsetzen!



Standard:
Installation mit
druckloser Armatur.

Auch möglich: Installation
mit **druckfester** Armatur.
(T-Stück und Druckschlauch
im Lieferumfang enthalten)

Image: This diagram illustrates the two main installation methods for the CLAGE MBH 3. The left side shows a standard installation with a pressureless fitting, while the right side depicts an installation with a pressure-resistant fitting, including the use of a T-piece and pressure hose. Red lines indicate hot water flow, and blue lines indicate cold water flow, along with electrical connections.



Image: This collage demonstrates the versatility of the CLAGE MBH 3, showing its installation in various settings such as a guest bathroom, a kitchenette, a private household, and an office building. It highlights the unit's adaptability to different environments where instant hot water at a washbasin is needed.

6. Operating Instructions

6.1 Basic Operation

The CLAGE MBH 3 is a hydraulically controlled tankless water heater. It activates automatically when water flows through it and deactivates when the water flow stops.

1. To obtain hot water, simply open the hot water tap at your washbasin.
2. The unit will instantly begin heating the water as it passes through.
3. To stop the hot water flow, close the tap.

6.2 Temperature Adjustment

The water temperature is primarily controlled by the flow rate. A lower flow rate will result in warmer water, while a higher flow rate will result in cooler water, within the unit's operating range of 15°C to 40°C. Some faucets may have a flow regulator that can be adjusted to fine-tune the desired temperature.



Image: This image shows hands under running water from a faucet, demonstrating the instant hot water delivery. The accompanying text indicates that the unit provides water 25°C warmer than the inlet temperature, resulting in approximately 38°C in summer (13°C inlet) and 33°C in winter (8°C inlet).

7. Maintenance

Regular maintenance ensures the longevity and efficient operation of your CLAGE MBH 3 water heater.

7.1 Cleaning

- Before cleaning, disconnect the power supply to the unit.
- Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals.
- Clean the faucet's aerator regularly to ensure optimal water flow and prevent mineral buildup.

7.2 Descaling

In areas with hard water, mineral deposits (limescale) can build up inside the unit, affecting performance. Descaling should be performed by a qualified professional if necessary. The frequency depends on water hardness and usage.

8. Troubleshooting

If you experience issues with your CLAGE MBH 3, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No hot water	No power supply	Check circuit breaker/fuse. Ensure unit is plugged in.
	Insufficient water flow	Ensure water supply is fully open. Clean faucet aerator.
Water not hot enough	High water flow rate	Reduce water flow at the tap.
	Low inlet water temperature	The unit provides a fixed temperature rise. In very cold climates, the maximum achievable temperature may be lower.
Water leaks from unit/connections	Loose connections	Tighten connections (ensure power is off and water supply is closed before tightening). If leak persists, contact a professional.
Unit not activating	Insufficient water pressure/flow	Ensure minimum flow rate is met for activation. Check water supply.

If the problem persists after attempting these solutions, please contact a qualified technician or CLAGE customer support.

9. Warranty and Support

9.1 Warranty Information

CLAGE products are manufactured to high-quality standards. This product comes with a manufacturer's warranty covering defects in materials and workmanship under normal use. The warranty period typically begins from the date of purchase. Please retain your proof of purchase for warranty claims. Specific warranty terms and conditions may vary by region; refer to the warranty card included with your product or visit the official CLAGE website for detailed information.

Note: Warranty claims may be void if the product is not installed by a qualified professional or if unauthorized modifications are made.

9.2 Customer Support

For technical assistance, spare parts, or warranty service, please contact CLAGE customer support or your local distributor. Contact details can typically be found on the CLAGE official website or in the product packaging.

- **Website:** www.clage.com
- **Email:** Refer to website for regional contact information.
- **Phone:** Refer to website for regional contact information.

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Email

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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