

Operating instructions

for system users



Vitotherm EI5

Version EI5.A3 K

Version EI5.A5 K

Electric instantaneous water heaters

VITOTHERM EI5



For your safety



Before commissioning and operating the appliance, please read the documents enclosed with the appliance.

Follow the safety instructions closely to prevent hazards, injury and material losses.

Store the supplied documents in a safe place.

Safety instructions explained



Danger

This symbol warns against the risk of injury.

Note

Details identified by the word "Note" contain additional information.



Caution

This symbol warns against the risk of material losses and environmental pollution.

Target group

These instructions are intended for users of the appliance

The appliance can be operated by children aged 3 and older, as well as by individuals with reduced physical, sensory or mental faculties or those lacking in experience and knowledge, provided such individuals are supervised or have been instructed in the safe use of this appliance and any risks arising from it.



Caution

Supervise children in the proximity of the appliance.

- Never permit children to play with the appliance.
- Cleaning and user maintenance must never be carried out by unsupervised children.

Safety instructions for working on the appliance

Connecting the appliance

- The appliance may only be connected and commissioned by authorised contractors.
- Observe the specified electrical connection requirements.
- Modifications to the existing installation may only be carried out by authorised contractors.
- The appliance must be earthed.

For your safety (cont.)

Working on the appliance

- All settings and work on the appliance must be performed as specified in these operating instructions. Further work on the appliance may be carried out only by authorised contractors.
- Do not open the appliance.
- Do not remove its casings.
- Do not modify or remove any attached parts or installed accessories.
- Do not open or retighten any pipe connections.



Danger

Incorrectly executed work on the appliance can lead to life threatening accidents. Work on electrical equipment may only be carried out by a qualified electrician.

Cleaning the appliance

- Clean the exterior of the appliance with a commercially available domestic cleaning agent. Do not use scouring agents, solvent-based cleaners or steam cleaners.
- Regular maintenance ensures trouble-free, energy efficient, environmentally responsible and safe operation. Have the appliance tested and serviced by an authorised contractor at least every 3 years.

Auxiliary components, spare parts and wearing parts



Caution

Components that were not tested with the appliance may damage the appliance or affect its function. Have all installation or replacement work carried out exclusively by heating contractors.

Safety instructions for operating the device



Danger

Damaged equipment poses a safety hazard. Check the appliance for external damage. Never start up a damaged appliance.



Danger

Hot surfaces can cause burns.

- Do not open the appliance.
- Do not touch the hot surfaces of uninsulated pipes and fittings.

For your safety

Operation of the appliance

- For showers, the DHW temperature must not exceed 55 °C.
If necessary, have safety equipment installed to prevent scalding.
- Temperatures above approx. 43 °C can cause a burning sensation, particularly in children.
- The fittings will also become hot after an extended runtime.
- In the case of appliances for reheating, the water running into the appliance may already be hotter than the required temperature.
Consequently the water may be too hot when it is drawn off.
- To prevent it from overheating, do not cover the appliance.
- At all times comply with the operating conditions specified on the type plate.

Operating appliances in non-pressurised installations

- Ensure that the water can flow freely from the water outlet.
- Do not install any fittings or appliances that will obstruct the free flow of water from the water outlet.
- Regularly descale the water outlets at the draw-off points, e.g. shower head, aerator, taps.
- Use only fittings, aerators and shower heads that have been recommended by the manufacturer.

Installation room requirements



Danger

Easily flammable liquids and materials (e.g. naphtha/petrol, solvents, cleaning agents, paints or paper) can trigger deflagration and fire.

Never store or use such materials in the installation room or in the immediate vicinity of the appliance.



Caution

Incorrect ambient conditions may damage the appliance and put safe operation at risk.

- Ensure ambient temperatures above 0 °C.
- Avoid air contamination through halogenated hydrocarbons (e.g. as contained in paints, solvents and cleaning agents).
Avoid excessive dust, e.g. through grinding/polishing work.
- Avoid constant high humidity levels (e.g. through continuous drying of laundry).

For your safety (cont.)**If water escapes from the appliance****Danger**

If there are leaks in the appliance, there is a risk of electric shock.

- Isolate the appliance from the power supply, e.g. at the separate fuse or a mains isolator.
- Close the water supply pipe.
- Notify your heating contractor.

Faults on the appliance

- Isolate the appliance from the power supply, e.g. at the separate fuse or a mains isolator.
- Close the shut-off valve of the cold water supply.
- Notify your heating contractor.

**Danger**

If water escapes from the appliance, there is a risk of scalding.

Do not touch the hot water.

Operating instructions

Intended use

The appliance is used for the heating of domestic hot water and can supply one or more draw-off points as applicable.

The appliance is intended for domestic use. It can be operated safely by untrained persons. The appliance can also be used in a non-domestic environment, e.g. in a small business, as long as it is used in the same way.

Any use that differs from or goes beyond this is considered inappropriate.

Intended use also extends to compliance with these instructions and with the instructions for any accessories used.

Product information

The appliance is suitable for pressure-tested and non-pressurised installation.

The appliance is equipped with a differential pressure switch.

The differential pressure switch automatically switches on the heating function when sufficient water flows through the appliance.

Operation

Venting

1. Switch off the power supply, e.g. at the separate fuse or a mains isolator.
2. Open and close the hot water tap for approx. 15 to 30 seconds respectively in order to vent the water installation. Repeat this process until a constant, even flow of water is achieved.
3. Switch on the power supply.



Caution

Air in the water installation may damage the appliance.
Vent the water installation after carrying out work on the appliance or the water installation.

Maintenance

1. Switch off the power supply, e.g. at the separate fuse or a mains isolator.
2. Close the shut-off valve on the cold water supply.
3. Undo the cold water supply pipe.
4. Remove the filter from the fittings of the cold water supply.
5. Clean the filter.
6. Reinsert the filter.
7. Re-fasten the cold water supply pipe to the appliance.
8. Open the shut-off valve on the cold water supply.
9. Check the connections for leaks.
10. Vent the water installation as described in the previous chapter.

Specification

Electric instantaneous water heaters		EI5.A3 K	EI5.A5 K
Rated voltage		230 V~	
Rated output	kW	3.5	5.5
Power consumption	A	15.2	23.9
Flow rate (at $\Delta t = 30$ K)	l/min	1.7	2.6
Rated voltage		220 V~	
Rated output	kW	3.2	5.0
Power consumption	A	14.5	22.7
Flow rate (at $\Delta t = 30$ K)	l/min	1.5	2.4
Flow pressure	MPa	0.12 ÷ 0.6	
Start flow rate	l/min	1.2	2.0
Dimensions (height x width x depth)	mm	225 x 170 x 75	
Weight	kg	1.2	
Min. cable cross-section	mm ²	3 x 1.5	3 x 2.5
Max. permissible mains impedance	Ω		0.31
Min. flow resistance at water temperature 15 °C	Ωcm	1100	
Water connection (male thread)		G 3/8 (distance between inlet and outlet 80 mm)	



The appliance must not be disposed of with domestic waste.
The appliance must be taken to a collection point for electrical
and electronic waste for recycling.

Correct disposal of the product prevents potentially harmful
effects on the environment, which can occur due to the
improper handling of waste. For more information on recycling
this product, please contact your local government, a
waste disposal service, or the store where this product was
purchased.