

# Operating instructions

for system users

**VIESSMANN**

Vitotherm ES4

Version ES4.A10 K

Version ES4.A10 OK


Version ES4.A10 OTK

Electric water heater


## VITOTHERM ES4




### 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.

**Danger**

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

Do not touch the hot water.

**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.

## 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

Electric water heater for pressurised or non-pressurised installation.

Max. water pressure in system: 0.6 MPa

- **Corrosion-resistant stainless steel cylinder**  
Anode does not need to be replaced on a regular basis.
- **Efficient heating module**  
Output: 2000 W  
DHW heating from 10 to 40 °C in 11 min for 10 l.
- **Energy efficiency class A**  
Very low energy loss.
- **Functional temperature control**  
Water temperature can be variably adjusted between 23 and 70 °C

### Types of installation

Types ES4.A10 OK and ES4.A10 OTK:  
Appliances for installation above a washbasin with water connections pointing vertically downwards.

Type ES4.A10 K:  
Appliances for installation below a washbasin with water connections pointing vertically upwards.

#### *Note:*

*In a pressurised installation, water may occasionally escape from the safety valve. In a non-pressurised installation, water may occasionally escape from the hot water draw-off point.*

*This is not a malfunction.*

*Any water that occasionally escapes must be able to drain away freely at all times.*

## Operation

### Switching on



#### Caution

The appliance may be damaged if it is switched on before it is completely filled. Do not switch on the appliance until the integral cylinder is completely filled with water.



#### Caution

In a pressure-tested installation, the appliance may be damaged if the safety valve is not functioning correctly.

- Open the safety valve regularly and remove any deposits.
- Check the safety valve regularly for blockages and correct operation: Turn the lever of the safety valve so that water flows out of the outlet pipe. If no water comes out of the outlet pipe, the valve is faulty and the appliance must not be operated.

### Draining

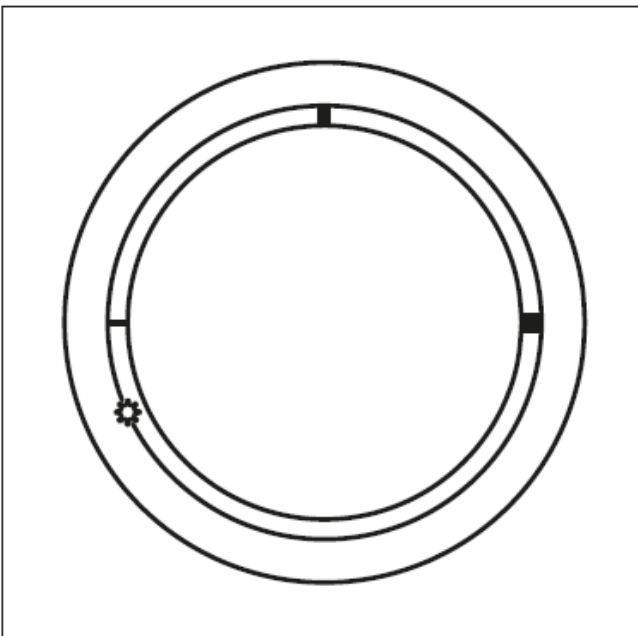


#### Caution

The appliance may be damaged if operated in areas at risk from frost. If there is a risk of frost, drain the appliance completely:

- Appliances installed above washbasins (types ES4.A10 OK and ES4.A10 OTK):  
Undo the connection pipe from the inlet connector (cold water). Open the hot water tap.
- Appliances installed under the washbasin (type ES4.A10 K):  
Undo flexible hoses from inlet and outlet connectors (hot and cold water). Unhook the appliance at the wall and turn it 180° to drain it.

### Temperature control



A rotary switch for adjusting the temperature is located on the front of the appliance.

- Switching on:  
Turn the temperature switch clockwise. The water temperature can be variably adjusted between "⚙" (~7 °C) and "III" (~70 °C). In heating mode, the LED illuminates and the water is heated.
- Switching off:  
Turn the temperature switch anticlockwise. Position when appliance is switched off: See adjacent diagram.

## Operation (cont.)

### 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 several times to vent the water installation until a constant, even flow of water is achieved.
3. Turn the rotary switch to the required temperature.
4. Switch on the power supply.



### Caution

Air in the water installation may damage the appliance.

Vent the system after working on the appliance or the water installation.

### Faults

| No. | Fault  | Background                                | Remedy   |
|-----|--|---|--|
| 1.  | The appliance is not heating the water and the LED is not illuminated. | Power supply fault.                       | Check the fuses.   |
|     |  | Fault with the rotary temperature switch. | Replace the rotary temperature switch.<br>(Heating contractor)           |
| 2.  | The appliance is not heating the water and the LED is illuminated.     | Fault with the heating module.            | Replace the appliance.<br>(Heating contractor)                           |
|     |  | Fault with the temperature limiter.       | Switch on the temperature limiter or replace it.<br>(Heating contractor) |
| 3.  | The appliance is heating the water and the LED is not illuminated.     | Fault with the LED.                       | Replace the LED.<br>(Heating contractor)                                 |



| <b>Specification</b>                   |                  |                    |                     |
|--|------------------|--------------------|---------------------|
| <b>VITOTHERM DHW cylinder</b>          | <b>ES4.A10 K</b> | <b>ES4.A.10 OK</b> | <b>ES4.A.10 OTK</b> |
| Contents                               | l                | 10                 |                     |
| Voltage                                |                  | 220 - 240 V~       |                     |
| Rated output                           | W                | 2000               |                     |
| Rated current                          | A                | 8.3 - 9.1          |                     |
| Temperature range                      | °C               | 23 - 70            |                     |
| Pressure resistance                    | MPa              | 0.6                |                     |
| Dimensions<br>(height x width x depth) | mm               | 470 x 329 x 239    |                     |
| Weight<br>(dry)                        | kg               | 6.1                |                     |
| IP rating                              |                  | IP 24              |                     |
| Water connection (male thread)         |                  | G 1/2"             |                     |
| Water connection (mixer tap)           |                  | -                  | - G 1/2"            |







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.