

# Therme

## **EN**   **Operating instructions**

To be kept in the vehicle

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## Symbols used



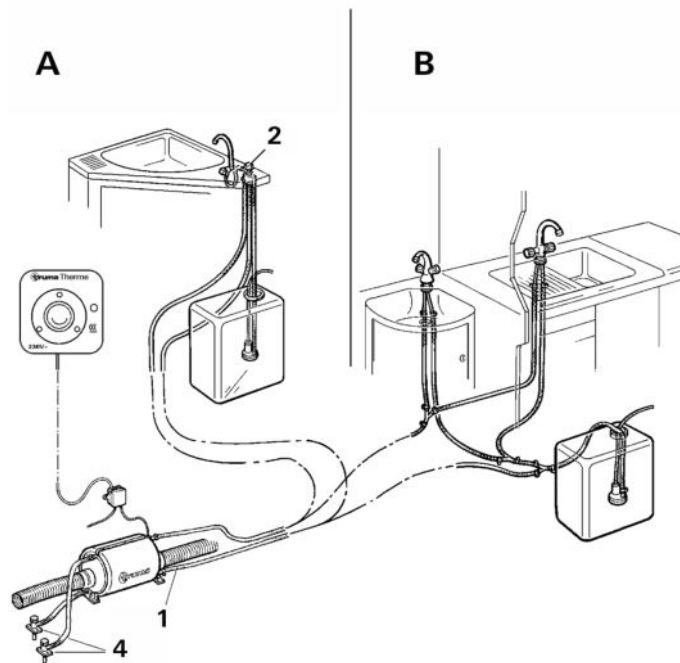
Symbol indicates a possible hazard.



Comment including information and tips

## Intended use

The water in the Therme is heated by the hot air of the heating system or by a 230 Volt electric heater element.



## Safety instructions

- Always observe operating instructions prior to starting! The vehicle owner is responsible for the correct operation of the appliance.
- Never operate the Therme electrically without water contents! Don't forget to turn the appliance off when the caravan is not being used! Drain in event of frost! There shall be no guarantee claims for damage caused by frost!
- The installer or vehicle owner must affix the yellow sticker with the warning information, which is enclosed with the appliance, to a place in the vehicle where it is clearly visible to all users (e.g. on the wardrobe door)! Ask Truma to send you a sticker, if necessary.
- Repair work is only to be carried out by an expert!
- This appliance may be used by children from 8 years old and by persons with disabilities or with a lack of experience only if they are

supervised or have been instructed in the safe use of the appliance and understand the resulting risks. Children must not be allowed to play with the appliance.

- The Therme is designed for pressure-free operation. In order to enable the pressure, which builds up during the heating up procedure, to escape, there is to be no non-return valve installed in the cold water supply (1) between Therme and submersible pump.
- When connecting to a central water supply (city mains) or when using stronger pumps, a pressure reduction valve must always be installed to prevent that pressures above 1.2 bar develop in the Therme. In addition, a safety/drain valve (accessory, part no. 70141-10) must be installed into the cold water supply line (1).
- Materials in the device which come into contact with water are suitable for use with drinking water (see manufacturer declaration: [www.truma.com](http://www.truma.com) – Manufacturer Declaration).

## Operating instructions

### Filling the Therme with water

Turn draining and ventilating valves (4) to full extent to close.

#### **With pre-mixing valve**

Turn control knob (2) of pre-mixing valve to stop on red symbol (hot).

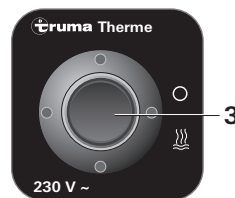
#### **With pre-selecting mixing tap(s)**

Open hot water tap with pre-selecting mixing taps or set single lever mixer to “hot”.


Leave the tap(s) open to let air escape and let the Therme fill up with water until water flows out of the tap.

### Electrical operation

Switch the switch (3) on the control panel to “on”. The indicator lamp indicates that the appliance is switched on. The water temperature is regulated at 65 °C by the thermostat.




When using the vehicle switches: refer to operating instructions of the vehicle manufacturer.

 The electrical heating rod is fitted with an excess temperature cut-out. In the event of a fault, switch off at the control panel, wait 5 minutes, then switch on again.


## Using the water

The water temperature is mixed according to the position of the pre-selecting mixing tap(s) or premixing valve. Make sure that the water pump is switched off when you have finished using the water.

## Draining the Therme

 If the mobile home is not used during periods of frost, it is essential that the Therme be emptied!

1. Interrupt current for water pump (main switch or transformer).
2. Drain water from tank (or remove water pump from tank).
3. Open taps in kitchen and (or) bathroom and set pre-mixing valve(s) – if available – to hot.
4. Turn draining and ventilating valves (4) to full extent to open.

 In order to check the water that is flowing out, place an appropriate container (capacity 5 litres) beneath the drainage socket of the drain valve.

5. Check whether all the water content (5 litres) has completely run out.

**There shall be no guarantee claims for damage caused by frost!**

## Maintenance

The device must be descaled on a regular basis (at least twice a year).

We recommend using suitable commercially available products to clean, sterilise and maintain the Therme. Products containing chlorine are not suitable.

## Trouble-shooting list

Fault	Cause	Rectification
Not heating up.	– No operating voltage.	– Restore power supply.
Taking an extremely long time to heat up in 230 V operation	– Heating element furred.	– Descale water system (see maintenance).

If this does not solve the problem, please contact the Truma Service.

## Technical data

determined in accordance with Truma test conditions

### **Water content**

5 litres

### **Operating pressure**

max. 1.2 bar (only use pump without non-return valve)

### **Power supply**

230 V ~, 50 Hz

### **Power consumption**

1.3 A (300 W)

### **Thermal cut-out**

65 °C

### **Over-temperature protection**

85 °C

### **Heating time from approx. 15 °C to approx. 60 °C**

approx. 50 minutes

### **Weight** (without contents)

2 kg complete with drain and venting valves

### **Dimensions**

length 37 cm, height 23 cm, width 22 cm



The right to effect technical modifications is reserved!

## Manufacturer's Warranty (European Union)

### **1. Scope of Manufacturer's Warranty**

As the Manufacturer of the unit, Truma undertakes a warranty towards the Consumer that covers any material and/or manufacturing defects of the unit.

This Warranty is applicable in EU member states as well as in Iceland, Norway, Switzerland and Turkey. A Consumer is the natural person who was the first one to purchase the unit from the Manufacturer, OEM or dealer and who neither resold the unit in a commercial or self-employed professional capacity nor did he or she install it for a third party in such a capacity.

The Manufacturer's Warranty covers any of the aforementioned defects that occur within 24 months upon concluding the purchase agreement between the seller and the Consumer. The Manufacturer or an authorised service partner undertakes to remedy such defects through subsequent fulfilment, i.e. at its discretion either by repairing or replacing the defective item. Any defective parts shall become the property of the Manufacturer or the authorised service partner. If the unit is no longer manufactured at the time of defect notification and if replacement delivery has been opted for, then the Manufacturer may deliver a similar product.

If the Manufacturer remedies a defect under its warranty commitment, the term of the Warranty shall not recommence anew with regard to the repaired or replaced parts; rather, the original warranty period shall continue to be applicable to the unit. Only the Manufacturer itself and an authorised service partner shall be entitled to conduct a warranty job. Any costs that occur in the event of a warranty claim shall be settled directly between the authorised service partner and the Manufacturer. The Warranty does not cover additional costs arising from

complicated removal or installation jobs on the unit (e.g. dismantling of furnishings or parts of the vehicle body), and neither does it cover travel expenses incurred by the authorised service partner or the Manufacturer.

No further-reaching claims shall be permitted, especially damage claims presented by the Consumer or third parties. This provision shall not affect the validity of the German Product Liability Act (Produkthaftungsgesetz).

Neither does the voluntary Manufacturer's Warranty affects the Consumer's legally applicable claims for defects towards the seller in the relevant country of purchase. In individual countries there may be warranties that can be issued by the relevant dealer (official distributor, Truma Partner). In such cases the warranty can be implemented directly through the dealer from whom the Consumer bought the unit. The warranty regulations of the country in which the unit was purchased by the Consumer for the first time shall also be applicable.

## 2. Warranty exclusions

**No** warranty claim shall be applicable under the following circumstances:

- Improper use, contrary to the specified use
- Improper installation, assembly or commissioning, contrary to operating or installation instructions
- Improper operation, contrary to operating or installation instructions, particularly maintenance, care and warning notes
- Instances where repairs, installations or any other procedures have been conducted by non-authorised partners
- Consumable materials and parts which are subject to natural wear and tear
- Installation of replacement, supplementary or accessory parts that are not original Manufacturer's parts and which have thus caused a defect

- Damage arising from foreign substances (e.g. oils, plasticisers in the gas), chemical or electrochemical influences in the water, or cases when the unit has come into contact with unsuitable substances (e.g. chemical products, unsuitable cleaning agents)
- Damage caused by abnormal environmental or unsuitable operating conditions
- Damage caused by force majeure or natural disasters or any other influences not within Truma's responsibility
- Damage resulting from improper transport

## 3. Making a warranty claim

The warranty must be claimed with an authorised service partner or at the Truma Service Centre. All the relevant addresses and phone numbers can be found at [www.truma.com](http://www.truma.com), in the "Service" section.

To ensure a smooth procedure, we should be grateful if you could have the following details ready before contacting us:

- Detailed description of the defect
- Serial number of the unit
- Date of purchase

The authorised service partner or the Truma Service Centre will then specify the further procedure. To avoid transport damage, the affected unit must only be shipped upon prior arrangement with the authorised service partner or the Truma Service Centre.

If the warranty claim is recognised by the Manufacturer, then the transport expenses shall be borne by the same. If no warranty claim is applicable, the Consumer will be notified accordingly and any repair and transport expenses shall then be the Consumer's liability. We must ask you not to send in a unit without prior arrangement.

- DE** Bei Störungen wenden Sie sich bitte an das Truma Servicezentrum oder an einen unserer autorisierten Servicepartner (siehe [www.truma.com](http://www.truma.com)). Für eine rasche Bearbeitung halten Sie bitte Gerätetyp und Seriennummer (siehe Typenschild) bereit.
- EN** Should problems occur, please contact the Truma Service Centre or one of our authorised service partners (see [www.truma.com](http://www.truma.com)). In order to avoid delays, please have the unit model and serial number ready (see type plate).
- FR** Veuillez vous adresser au centre de SAV Truma ou à un de nos partenaires de SAV agréés en cas de dysfonctionnements (voir [www.truma.com](http://www.truma.com)). Pour un traitement rapide de votre demande, veuillez tenir prêts le type d'appareil et le numéro de série (voir plaque signalétique).
- IT** In caso di guasti rivolgersi al centro di assistenza Truma o a un nostro partner di assistenza autorizzato (consultare il sito [www.truma.com](http://www.truma.com)). Affinché la richiesta possa essere elaborata rapidamente, tenere a portata di mano il modello dell'apparecchio e il numero di matricola (vedere targa dati).

Truma Gerätetechnik GmbH & Co. KG  
Wernher-von-Braun-Straße 12  
85640 Putzbrunn  
Deutschland

- NL** Bij storingen kunt u contact opnemen met het Truma Servicecentrum of met een van onze erkende servicepartners (zie [www.truma.com](http://www.truma.com)).

Voor een snelle bediening dient u apparaattype en serienummer (zie typeplaat) gereed te houden.

- DA** Ved fejl kontaktes Trumas serviceafdeling eller en af vores autoriserede servicepartnere (se [www.truma.com](http://www.truma.com)).

Sørg for at have oplysninger om apparattype og serienummer (se typeskiltet) klar for hurtig behandling.

- SV** Vid fel kontakta Truma servicecenter eller någon av våra auktoriserade servicepartner (se [www.truma.com](http://www.truma.com)).

För snabb handläggning bör du ha aggregatets typ och serienummer (se typskylten) till hands.

## Service

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Telefax	+49 (0)89 4617-2159	<a href="http://www.truma.com">www.truma.com</a>