

# Truma UltraRapid

LPG and 230 V / 240 V Electric Storage Water Heater



## **Operating instructions**

To be kept in the vehicle



More comfort on the move

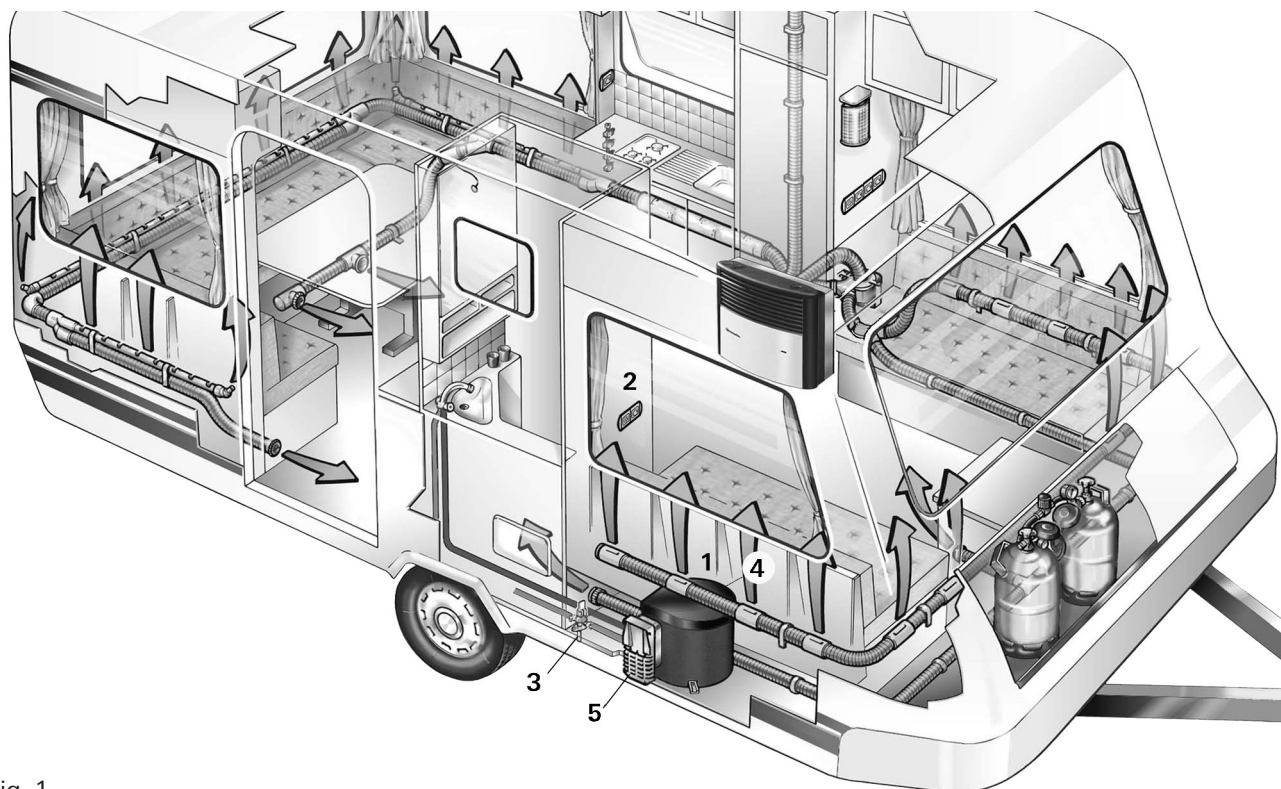


Fig. 1

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## Symbols used



The device must only be installed and repaired by a licensed person.



Symbol indicates a possible hazard.



Note containing information and tips.

## Model

Truma UltraRapid Gas (BGA 14) from 01/2022  
Truma UltraRapid Gas/Electric (BGEA 14) from 01/2022

## Installation example

- 1 Truma UltraRapid
- 2 Control panel
- 3 Drain valve
- 4 Pressure and Temperature Relief Valve (P&T relief valve)
- 5 Cowl for combustion air intake and exhaust gas discharge

## General safety notes

The use of upright gas cylinders from which gas is taken in the gas phase is mandatory for the operation of gas regulators, gas equipment and gas systems. Gas cylinders from which gas is taken in the liquid phase (e. g. for fork lifts) must not be used, since they would result in damage to the gas system.

In the event of leaks in the gas system or if there is a smell of gas:

- extinguish all naked flames
- do not smoke
- switch off all appliances
- shut off the gas cylinder
- open the windows and doors
- do not actuate any electrical switches
- have the entire system checked by a licensed person!

– Repairs may only be carried out by a licensed person.

– Do not use this appliance as a pool heater.

- This device may be used by children aged 8 years or above and by persons with reduced physical, sensory or mental capabilities or lack of experience and / or knowledge, only if they are supervised or have been given instruction with regard to the safe use of the device and have understood the potential risks. Children must not use the device as a toy.
- In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- Any modifications to the unit, including accessories and cowl, or the use of spare parts and accessories that are important to the operation of the system that are not original Truma parts and failure to follow the installation and operating instructions will void the warranty and release Truma from any liability claims. It also becomes illegal to use the appliance, and in some countries this even makes it illegal to use the vehicle.
- Any work involving connection or interconnecting wiring must be carried out by a licensed electrician. If the mains cable (supply cord) is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

### **Danger**

- Failure to operate the P&T relief valve (Fig. 1- 4) at least once every six months may result in the water heater splitting. Continuous leakage of water from the valve may indicate a problem with the water heater!
- Water may drip from the discharge pipe of the P&T relief valve and this pipe must be left open to the atmosphere.
- The P&T relief valve is to be operated regularly to remove lime deposits and to ensure that it is not blocked.
- Any discharge pipe connected to the P&T relief valve is to be installed in a continuously downward direction and in a frost free ambient.
- Always remove the cowl cover prior to operating the water heater.
- Do not place articles on or against this appliance.
- Do not use or store flammable materials near this appliance.
- Do not spray aerosols in the vicinity of this appliance while it is in operation.
- Do not modify this appliance.
- Before accessing terminals, please ensure all supply circuits are disconnected (i.e. 230 V~ – 240 V~ and 12 V=) and that the gas supply is securely turned off.
- The operating pressure for the gas supply is 2.75 kPa (AUS – Propane) and must correspond to the operating pressure of the appliance (see data plate).
- LPG systems and pressure regulators must comply with the technical and administrative regulations of the country in which the appliance is used. For your own safety it is absolutely necessary to have the complete gas installation regularly checked by a licensed person (at least every 2 years). The vehicle owner is always responsible for arranging the gas inspection.
- Do not operate when travelling.
- Do not operate the water heater when refuelling the vehicle and when it is in the garage.
- Items sensitive to heat (e. g. spray cans) must not be stored in the installation area, since excess temperatures may occur there under certain circumstances.
- During the initial operation of a brand new appliance (or after it has not been used for some time), a slight amount of fumes and a slight smell may be noticed for a short while.

## Operating instructions

Always observe the operating instructions prior to **starting!** The vehicle owner is responsible for correct operation of the appliance.

**!** Before using the product for the first time, it is essential to flush the entire water supply through with clean warm water. Always mount the cowl cap when the water heater is not being operated! Drain the water heater if there is a risk of frost! **Warranty claims will not be accepted for frost damage.**

**!** Always remove the cowl cover prior to operating the water heater.

If connecting to a central water supply (rural or city connection) or when using more powerful pumps, a pressure reducer must be used which prevents pressures of greater than 400 kPa occurring in the Truma UltraRapid.

### Filling the Truma UltraRapid with water

Check that the drain valve (3) and the P&T relief valve (Fig. 2a - 4) in the cold water intake are closed.

- Close drain valve (Fig. 2 - 3).  
Lever in the "e" position (close).
- Test lever (Fig. 2a - 4a) of the pressure relief valve (4) must be in the "close" position.

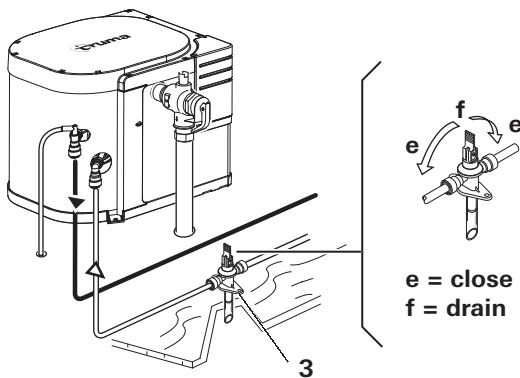


Fig. 2

- Open hot tap in bathroom or kitchen, with pre-selecting mixing taps or single-lever fittings set to "hot".
- Switch on power for water pump (main switch or pump switch).
- Leave the tap open to let air escape while the water heater is filling. The heater is filled when water flows out of the tap.

Residues of frozen water can prevent filling if there is a frost. The water heater can be defrosted by switching on the heater for a short period (max. 2 minutes). Frozen pipes can be defrosted by heating the room.

**i** If just the cold water system is being used, without water heater, the heater tank is also filled up with water. In order to avoid damage through frost, water must be drained by means of the drain valve, even if the heater has not been used. As an alternative, two shut-off valves, resistant to hot water, can be fitted in front of the cold and hot water connection.

## Pressure and Temperature Relief Valve (P&T relief valve)

- !** Risk of scalding injury from hot water and/or tampering with the P&T relief valve!
- Do not actuate the P&T relief valve as long as the appliance is still hot.
  - Do not place a plug or reducing coupling in the discharge pipe (Fig. 2a - 4b) of the P&T relief valve.
  - Do not operate the water heater without a functioning P&T relief valve - this could cause an explosion.

The P&T relief valve (4) is a safety component and must not be removed for any reason other than replacement.

The P&T relief valve is not serviceable; if defective it must be replaced (failure to re-use an old P&T relief valve). It must be replaced by a certified service technician.

Tampering with the P&T relief valve will void the warranty.

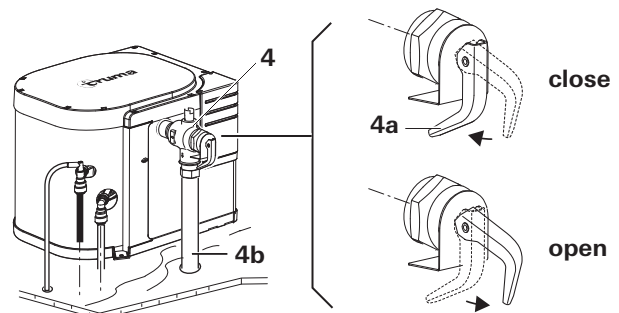


Fig. 2a

- 4 P&T relief valve
- 4a Test lever
- 4b Discharge pipe

### Draining the water heater

**!** If the vehicle is not used during periods of frost, it is essential that the Truma UltraRapid be emptied.

- Disconnect power for water pump (main switch or pump switch).
- Allow the appliance to cool down.
- Open hot water taps in bathroom and kitchen.
- Open drain valve (Fig. 2 - 3).  
Lever in the "f" position (drain).

The water heater is now drained directly to the outside via the drain valve (3).

- Check that the water has been completely drained (14 litres).

## Switching on gas operation



Never operate the water heater without water in it!



If the wall cowl is positioned close to an opening window (or hatch) – in particular directly under it – the window must remain closed when the water heater is in use (see warning plate).

## Removing the cowl cover

- Grab the handle of the cowl cover.
- Press the palm against the lid (Fig. 3a - 1) while pulling the lid off the cowl (Fig. 3a - 2).

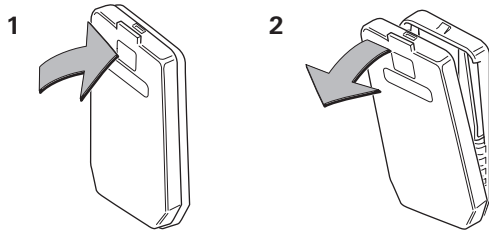


Fig. 3a

## Select water heater mode

- Use the control panel to select the water heater mode.

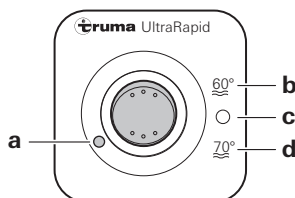


Fig. 3b

- a = Red indicator lamp "Fault"
- b = Water heater "On" 60 °C
- c = Water heater "Off"
- d = Water heater "On" 70 °C

If there is air in the gas supply line, it may take up to a minute before the gas is available for combustion. If the appliance switches to "Fault" during this time, switch off the appliance – wait 10 minutes – and switch on again!

## When using the vehicle switches

Refer to operating instructions of the vehicle manufacturer or see switch labels.

## Switching off gas operation

- Switch off the water heater to position (Fig. 3b - c).

If the water heater is not to be used for a longer period, mount cowl cover (non-observance of this point can lead to the function of the appliance being impaired through water, dirt or insects), close stop cock valve in the gas supply line and close the gas cylinder.

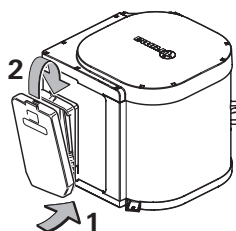


Fig. 4



Before setting off on any journey, fit cowl cap with the Truma UltraRapid switched off. Please ensure that it is secure and has locked into place (risk of accident). Defective cowl caps must not be used. **Drain the water heater if there is a risk of frost! Warranty claims will not be accepted if this is ignored.**

## Red indicator lamp "Fault"

The red indicator lamp (a) lights up if there is a fault. For possible causes please refer to „Fault finding“ on page 6. To unlock, switch off the appliance, wait 10 minutes, and switch on again.

## Electrical operation 230 V ~ / 240 V ~ – option –

230 V ~ / 240 V ~ 1300 W / 1415 W (5.7 A / 5.9 A)



The Truma UltraRapid must not be operated with a time switch.

Never operate the Truma UltraRapid without water in it!



The water temperature cannot be selected, automatic temperature limitation at approx. 70 °C! For a faster heating up period the appliance can be simultaneously operated with gas and electrical power.

## Maintenance



Do not modify this appliance.



Servicing should be carried out only by authorised personnel.

Only original Truma parts may be used for maintenance and repair work!

Please contact Service Australia for service and repairs.



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).

## Decalcification

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

We recommend the use of suitable normal commercial products for the cleaning, disinfection and care of the Truma UltraRapid. Products containing chlorine are unsuitable.

- In order to avoid the colonization of micro-organisms, heat up the Truma UltraRapid to 70 °C at regular intervals.

- The drain valve (Fig. 2 - 3) and the P&T relief valve (Fig. 2 - 4) are to be operated regularly to remove lime deposits and to ensure that they are not blocked. Frequency: every 6 month.



## Fuses

The water heater 12 V fuse is on the PCB on the water heater.

### Important note

Only replace the miniature fuse on the PCB with a fuse of the same type: 1.6 A (slow action).

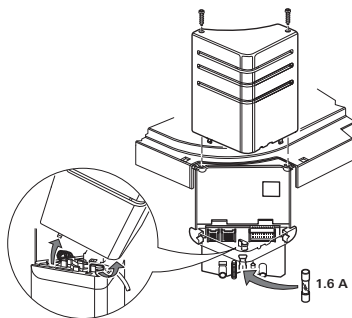


Fig. 6

**i** If there is a defect in the electronics, return the PCB well padded. If you fail to pack it correctly, the warranty shall no longer be valid.

Only use original Truma UltraRapid - PCB as spare parts!

## Fault finding

### Gas operation

Symptom	Cause
When switching on, the heater does not operate.	– No 12 V = supply voltage.
Check the power supply (operation voltage min. 10.5 V). Check the Truma UltraRapid fuse (refer to maintenance "Fuses").	
When switching on, the heater does not operate and the red lamp lights up after approx. 30 secs.	– Cowl cover fitted. – Air in the gas supply. – No gas supply. – Incorrect gas pressure.
Remove cowl cover and / or clear any obstruction. Check gas valves and gas cylinder. To unlock (and purge air), switch off the appliance, wait 5 minutes, and switch on again.	
Heater operates for a prolonged time and then the red lamp lights up.	– Excess temperature thermostat has responded.
Check water level, refill if required (close drain valve). To unlock, switch off the appliance, wait 5 minutes, and switch on again.	

## Electrical operation

Symptom	Cause
When switching on, the heater does not operate.	– No 240 V ~ supply voltage. – Excess temperature thermostat has responded.

Connect the caravan to the site supply and / or check residual current circuit breaker.

The electrical heating element is fitted with an excess temperature cut-out.

In the event of an impermissible dry run or overheating of the water due to an error, the voltage supply will be interrupted. In this case, a qualified service person must be contacted.

**⚠ DANGER**  
The operation of the thermal cut-out indicates a possibly dangerous situation. Do not reset the thermal cut-out until the water heater has been serviced by a qualified person.

Operating in gas mode is still possible.

### Water supply

Symptom	Cause
Water drips from the P&T relief valve.	– Water pressure too high. – Lime or dirt under the P&T relief valve seat.
Check water pressure (max. 400 kPa), use a pressure reducer when connected to central water supply.	
Allow the appliance to cool and then slowly raise the test lever (Fig. 2a – 4a) to flush the water system and attempt to force dirt or foreign matter out of the P&T relief valve seat.	
Replace P&T relief valve. This must be performed only by a certified service technician.	
When opening the cold water tap, hot water comes out.	– Hot water flows back through the cold water supply.
Fit a non-return valve in the cold water supply (refer to installation instructions "Water connection").	
If fault persists, please contact Service Australia.	

## Technical data

### Protection type / protection class

IP21 / class I

### Water capacity

14 litres

### Rated water pressure

400 kPa

### Maximum working water pressure / temperature

### P&T relief valve setting

500 kPa – 99 °C – 10 kW

### Type of gas

Universal LPG

### Test point pressure

2.75 kPa

### Nominal heat input

5.2 MJ/h ( $H_g$ )

### Nominal heat output

1.2 kW

### Gas consumption

5.2 MJ/h

### Injector size

0.70 mm

### Heating up time from approx. 20 °C up to approx. 65 °C

(14 litres)

Gas operation: approx. 45 min.

Electrical operation: approx. 40 min.

Gas and electrical operation: approx. 28 min.

### Power consumption 12 V ===

Ignition: 0.160 A

Heating up: 0.12 A

Stand-by: 0.05 A

### Power consumption 230 V ~ / 240 V ~

Heating up: 5.7 A / 5.9 A, 1300 W / 1415 W

### Weight (empty) 14 litres

BGA: 7.7 kg

BGA with peripheral devices: 8.6 kg

BGEA: 8.1 kg

BGEA with peripheral devices: 9.1 kg

### Water pressure reducer

Flow range water: 0 – 10 litres/min.

Maximum inlet pressure: 700 kPa

Maximum outlet pressure: 200 kPa



The right to make technical modifications is reserved!

## Dimensions

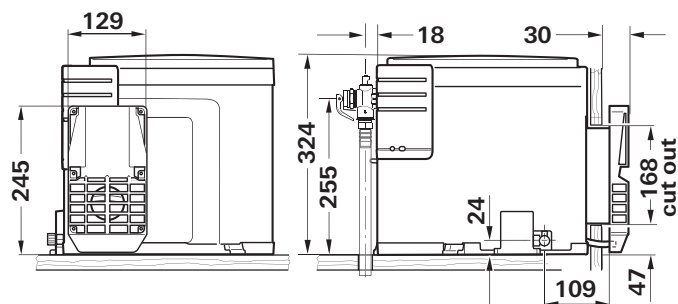


Fig. 7

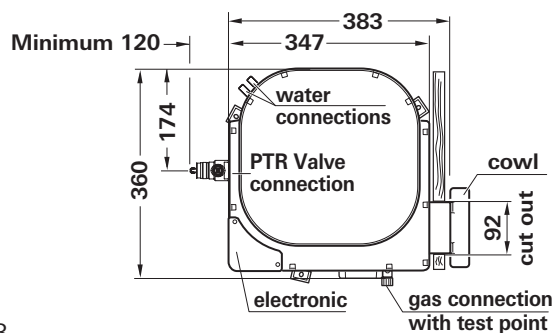


Fig. 8

(All dimensions in mm)

## Truma warranty policy

Our goods come with guarantees that are not and cannot be excluded under the Australian Consumer Law.

When you purchase a product, it must be free from faults and will do what it is designed to do.

In the event of a problem, you have the right to a remedy. Remedies may include repair, replacement or refund. Methods of assistance and remedies may vary depending on type of failure, age, and use. If you would like to know more about Consumer Guarantees and the Australian Consumer Law, please visit [acc.gov.au](http://acc.gov.au)

Apart from the regulations of the Australian Consumer Law, a warranty is given by Service Australia for 24 months from the date of purchase against any defect arising from faulty materials or workmanship. This warranty applies for appliances sold to customers in Australia.

Repairs will be carried out during normal business hours only by Service Australia, or its duly authorised service agents, and are subject to the warranty conditions and exclusions below. Goods returned for repair may be replaced by refurbished goods of the same type rather than being repaired. Customer will be advised if refurbished parts may be used to repair the goods.

### Warranty conditions

- The company will only provide service on presentation of proof of purchase, on either the Truma product, or the Caravan / RV / Pleasure Craft in which the Truma product has been installed, to any authorised service agent. The purchaser must allow the service agent to photocopy the proof of purchase to facilitate the claim to the manufacturer.
- Warranty repairs can only be performed by authorised service agents and under no circumstances will the customer be reimbursed for repairs carried out by unauthorised persons. Tampering with any part of the product by unauthorised personnel will automatically void the warranty.
- The product must be used solely for domestic purposes. With due regard to the Australian Law, if the product is used for commercial purposes the warranty is 6 months only.
- As applicable, the products must be used on the appropriate electrical voltage, gas type and pressure, or fuel source.
- If at any time during the warranty period any part or parts are replaced with a part or parts not supplied or approved by Truma, this warranty will immediately become void.
- To avoid transportation damage, the appliance may only be sent to Service Australia if agreed beforehand.

### Important notice

Before calling a service technician, please check the operating instructions and the warranty terms and conditions. If the product fails due to failure to comply the operating instructions, or is faulty due to abuse, misuse or improper installation, then a service fee shall be charged to the purchaser for a warranty call out.

If you have any queries regarding the interpretation of the warranty you should contact Service Australia.

Should you have any queries or wish to locate your nearest authorised service agent please contact Service Australia.

### Any warranty claim does not exist

- for any appliance which has been
  - subject to misuse, neglect, accident or alteration by any person,
  - damaged or destroyed by fire, flood, landslide, act of God, terrorism or other inevitable accident,

- improperly installed, assembled or commissioned contrary to the instructions for operation and installation.
- improperly operated, treated or operated contrary to the instructions for operation and installation, in particular if the maintenance, care and warning instructions are disregarded.
- installed, repaired or intervened by unauthorized partners or on your own.
- for consumables, wearing parts and in the event of natural wear and tear.
- if the appliance is provided with spare parts, add-ons or accessories that are not original parts from the manufacturer or have not been approved by the manufacturer; This applies in particular in the case of a networked control of the appliance, if the control devices and software have not been approved by Truma or if the Truma control device (e.g. Truma CP plus, Truma iNetBox, Truma iNet X Pro Panel, Truma iNet X Panel, etc.) is not used exclusively to control Truma appliances or appliances approved by Truma.
- as a result of damage caused by foreign substances (e.g. oils, plasticizers in the gas, dirt, liquids), chemical or electrochemical influences in the water or if the appliance has otherwise come into contact with unsuitable substances (e.g. chemical products, flammable substances, unsuitable cleaning agents).
- as a result of damage caused by abnormal environmental or inappropriate operating conditions.
- as a result of damage caused by force majeure or natural disasters, as well as other influences for which Truma is not responsible.
- as a result of damage caused by improper transport.
- as a result of changes to the appliance including spare, supplementary or accessory parts and their installation, in particular the flue gas system or the chimney by the end customer or third parties.
- as a result of willful or negligent damage.
- as a result of improper, unsuitable, faulty, negligent or improper use or treatment of the appliance.
- as a result of non-operation of the appliance or resultant damage to the unit where the appliance has been operated in an out of level situation.

Cleaning of the system or cleaning and adjustment of the gas system. This is considered to be a part of normal product maintenance.

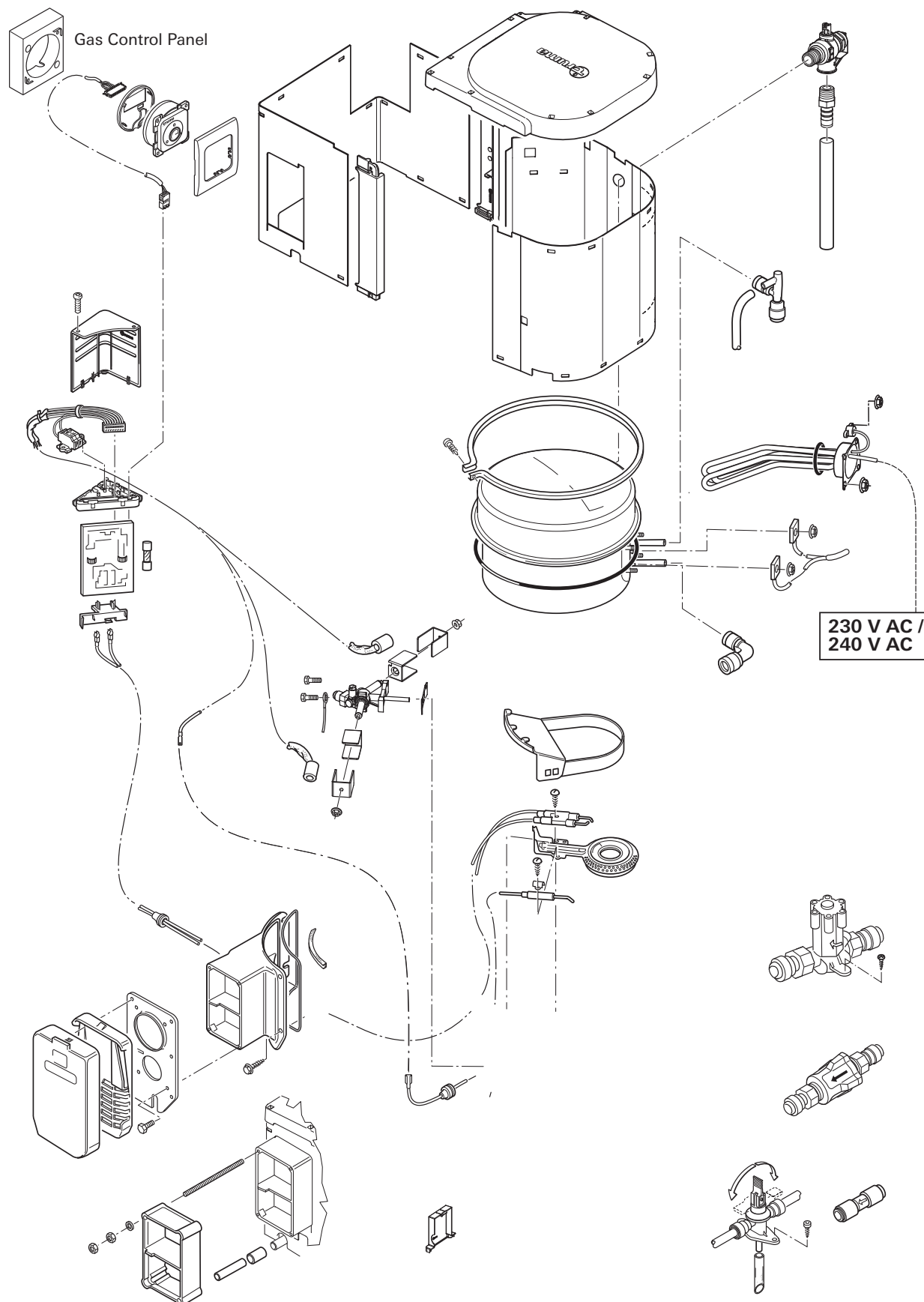
Freight cost of the appliance or parts, to or from, point of service or transit damage. Leisure-Tec / Truma are not responsible for resultant loss or damage sustained by the purchaser or failure to operate the appliance or damage resulting from a failure to operate the appliance or damage to the unit where the appliance has not been installed, ventilated, flued or operated in accordance with the manufacturer's instructions.

Apart from any warranties implied by the Competition and Consumer Act 2010 or any relevant State legislation, all other warranties express or implied whether arising by virtue of statute or otherwise are excluded.

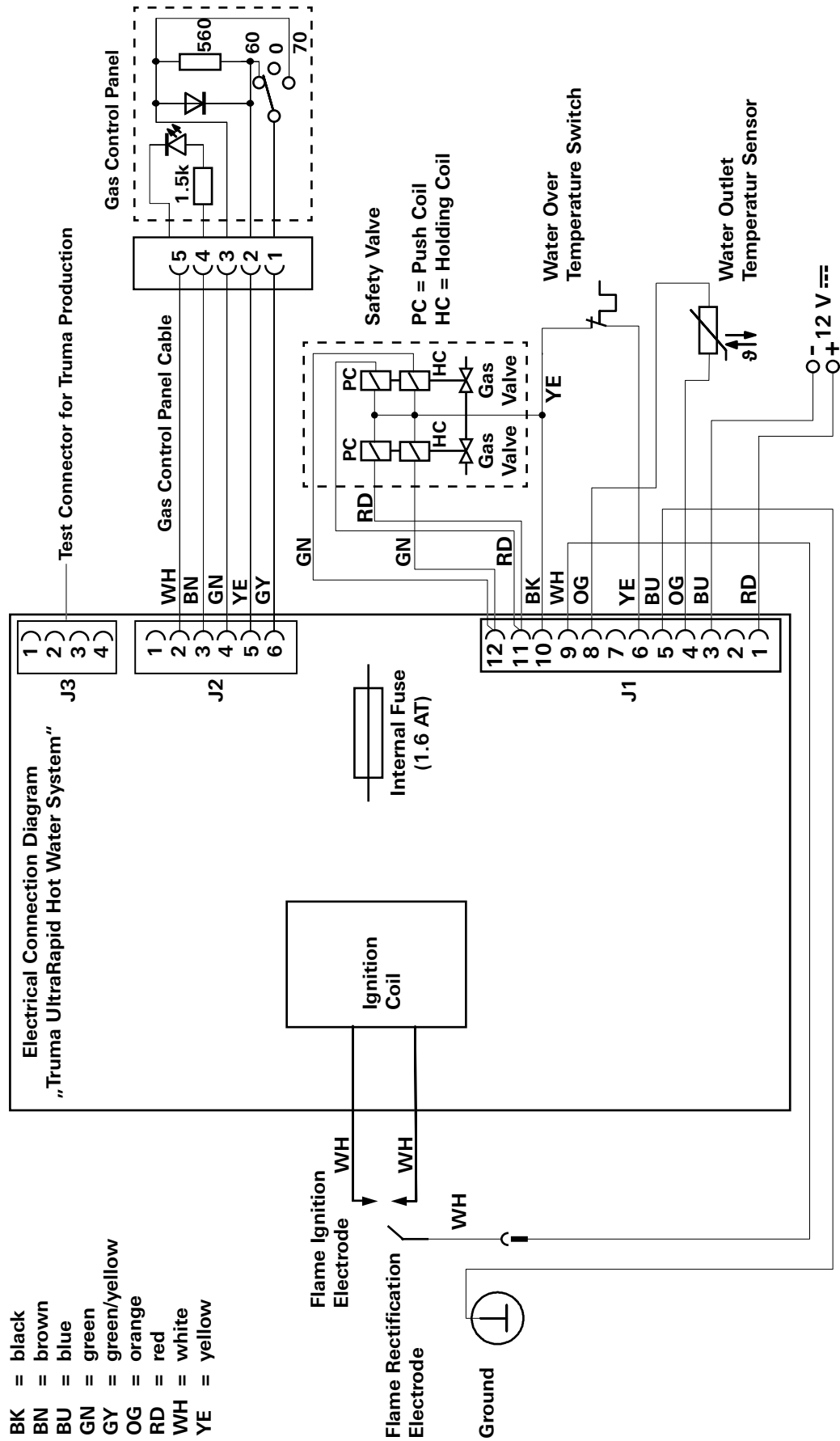
For warranty claims in Australia, please contact Service Australia, in other countries the relevant service partners should be contacted ([www.truma.com](http://www.truma.com)). Having the equipment model and the serial number ready (see type plate) will speed up processing.

Service Australia  
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Victoria, 3061, Australia  
Telephone: +61 1300 07 2018  
E-Mail: [service@leisure-tec.com.au](mailto:service@leisure-tec.com.au)





When ordering spare parts, please always state the serial number and year of manufacture.



The right to make technical modifications is reserved!



In Australia, always notify Service Australia if problems are encountered; in other countries the relevant service partners should be contacted ([www.truma.com](http://www.truma.com)).

Having the equipment model and the serial number ready (see type plate) will speed up processing.