

## Truma FRA309492

# Truma Ignition Safety Valve Set S 3002/5002 User Manual

Model: FRA309492

## 1. INTRODUCTION

This manual provides essential information for the safe and correct installation, operation, and maintenance of the Truma Ignition Safety Valve Set, designed for use with Truma S 3002 and S 5002 heaters. Please read these instructions thoroughly before installation and use to ensure proper function and safety.

## 2. SAFETY INFORMATION

**WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.**

- Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- Always shut off the gas supply before performing any maintenance or service.
- Ensure adequate ventilation when operating gas appliances.
- Check for gas leaks after installation or service using an approved leak detection solution.
- Do not use open flames to check for gas leaks.

## 3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- Ignition protection valve
- O-ring

- Nut
- Cutting ring
- Associated wiring and mounting brackets (as pictured)



**Figure 1:** Components of the Truma Ignition Safety Valve Set. This image displays the main valve assembly with attached wiring, a flexible hose, an O-ring, a nut, a cutting ring, and two metal mounting brackets.

## 4. SETUP AND INSTALLATION

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This ignition safety valve set is designed for specific Truma S 3002 and S 5002 heaters. Refer to your heater's primary manual for detailed instructions on accessing the valve area.

1. **Preparation:** Ensure the gas supply to the heater is completely shut off and the system has cooled down. Disconnect any electrical power to the heater.
2. **Remove Old Valve (if applicable):** Carefully disconnect the gas lines and electrical connections from the existing safety valve. Note the orientation and connections for proper reassembly.
3. **Install New Valve:**
  - Attach the new ignition safety valve to the heater using the provided mounting brackets. Ensure it is securely fastened.
  - Connect the gas inlet and outlet lines. Use the new O-ring, nut, and cutting ring for a secure, leak-free connection. Tighten connections to manufacturer specifications, but do not overtighten.
  - Connect the electrical wiring from the valve to the heater's control system. Ensure correct polarity and secure connections.
4. **Leak Test:** After installation, slowly turn on the gas supply. Apply an approved gas leak detection solution to all gas connections. Bubbles indicate a leak. If a leak is detected, immediately shut off the gas supply and re-tighten the connection. Repeat the leak test until no bubbles appear.
5. **Electrical Test:** Restore electrical power to the heater and perform a functional test according to the heater's operating instructions.

**Note:** If you are unsure about any step of the installation process, consult a qualified gas appliance

technician.

## 5. OPERATION

The Truma Ignition Safety Valve is an integral component of your Truma S 3002/5002 heater's safety system. It operates automatically to ensure safe gas flow.

- When the heater is switched on and an ignition signal is present, the safety valve opens to allow gas to flow to the burner.
- If the flame extinguishes unexpectedly (e.g., due to wind or gas supply interruption), the safety valve will automatically close the gas supply within a specified timeframe, preventing unburnt gas from accumulating.
- This valve does not require manual operation during normal use. Its function is entirely automatic and safety-critical.

## 6. MAINTENANCE

Regular maintenance of your Truma heater system, including the ignition safety valve, is crucial for safe and efficient operation. While the safety valve itself requires minimal direct user maintenance, periodic checks are recommended.

- **Annual Inspection:** It is recommended to have your entire Truma heating system, including the gas lines and safety valve, inspected annually by a qualified technician.
- **Visual Check:** Periodically inspect the valve and its connections for any signs of corrosion, damage, or loose fittings.
- **Cleaning:** Keep the area around the valve clean and free from dust or debris. Do not use harsh chemicals or abrasive cleaners.
- **Component Replacement:** If any part of the safety valve set appears damaged or worn, it must be replaced with genuine Truma spare parts by a qualified technician.

## 7. TROUBLESHOOTING

If your Truma heater is not functioning correctly, and you suspect an issue with the ignition safety valve, consider the following:

Problem	Possible Cause	Solution
Heater does not ignite or repeatedly fails to ignite.	No gas supply, faulty ignition, or safety valve not opening.	Check gas cylinder level and ensure gas valve is open. Verify electrical connections to the safety valve and ignition system. Inspect for gas leaks (see Section 4). If issues persist, contact a qualified technician.

Problem	Possible Cause	Solution
Heater ignites but flame extinguishes quickly.	Insufficient gas pressure, faulty thermocouple/flame sensor, or safety valve closing prematurely.	<p>Ensure adequate gas supply and pressure.</p> <p>Clean or replace the thermocouple/flame sensor (refer to heater manual).</p> <p>If the safety valve is suspected, professional diagnosis is required.</p>
Smell of gas.	Gas leak.	<p>Immediately shut off gas supply.</p> <p>Ventilate the area.</p> <p>Do not operate any electrical switches or open flames.</p> <p>Perform a leak test (see Section 4). If leak persists, evacuate and contact emergency services and a qualified technician.</p>

**Important:** Do not attempt repairs on gas components unless you are a qualified and certified technician. Always prioritize safety.

## 8. SPECIFICATIONS

- **Product Type:** Ignition Safety Valve Set
- **Brand:** Truma
- **Model Compatibility:** Truma S 3002, Truma S 5002 heaters
- **Part Number:** FRA309492
- **Material:** Plastic (valve body may contain metal components)
- **Dimensions (L x W x H):** Approximately 2.76 x 6.3 x 2.76 inches (7 x 16 x 7 cm)
- **Item Weight:** Approximately 14.8 ounces (420 g)
- **Exterior Finish:** Painted
- **Inlet Connection Size:** 1.6E+2 Millimeters (160mm)
- **Inlet Connection Type:** Cutting Ring
- **Outlet Connection Size:** 16 Millimeters
- **Outlet Connection Type:** Cutting Ring
- **Number of Ports:** 2
- **Specification Met:** CE

## 9. WARRANTY INFORMATION

Specific warranty terms for the Truma Ignition Safety Valve Set are provided by the manufacturer, Truma. Please refer to the warranty documentation included with your original purchase or visit the official Truma website for detailed information regarding warranty coverage, duration, and claims procedures.

Retain your proof of purchase for warranty purposes.

## 10. CUSTOMER SUPPORT





For technical assistance, spare parts, or service inquiries, please contact Truma customer support or an authorized Truma service center.

You can find contact information and a list of authorized service partners on the official Truma website: [www.truma.com](http://www.truma.com)

When contacting support, please have your product model number (FRA309492) and purchase details ready.

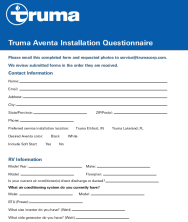
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### Related Documents - FRA309492

	<p><a href="#">Trumavent TEB/TN Installation Guide</a></p> <p>This document provides installation instructions for the Trumavent TEB/TN air distribution and ventilation system. It includes details on mounting the fan, installing the external control unit, and electrical connections for both 12V and 230V systems.</p>
	<p><a href="#">Truma CP plus Operating Instructions</a></p> <p>Comprehensive operating instructions for the Truma CP plus control panel, detailing its functions, setup, and troubleshooting for Truma Combi and Aventa appliances.</p>
	<p><a href="#">Truma CP plus Panel de Control Digital: Manual de Operación e Instalación</a></p> <p>Manual completo para el panel de control digital Truma CP plus, detallando su operación, instalación, seguridad y resolución de problemas para sistemas de calefacción Truma Combi en vehículos recreativos.</p>
	<p><a href="#">Truma CP plus Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für das Truma CP plus Bedienfeld zur Steuerung von Heizungs- und Klimasystemen in Wohnmobilen und Caravans. Enthält Anleitungen, Funktionen und Fehlerbehebung.</p>



This manual provides comprehensive operating instructions, safety guidelines, maintenance procedures, fault finding tips, technical specifications, and warranty information for the Truma UltraRapid LPG and 230V/240V electric storage water heater, designed for caravans and RVs.



Complete the Truma Aventa Installation Questionnaire to provide essential details and measurements for your RV air conditioning unit installation. Includes contact, RV, and clearance information.