

Truma 77400-01

Truma AquaGo Electric Antifreeze Kit User Manual

Model: 77400-01

Brand: Truma

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Truma AquaGo Electric Antifreeze Kit. Please read this manual thoroughly before installation and use, and retain it for future reference. The Truma AquaGo Electric Antifreeze Kit is designed to protect your Truma AquaGo Comfort or Truma AquaGo Comfort Plus water heater from freezing. It operates on 12V DC electricity, eliminating the need for LPG to prevent frost damage. This kit maintains the AquaGo system frost-free down to -4°F (-20°C), ensuring functionality even in cold conditions. It is intended solely for freeze protection and is not an alternative to propane for heating water for consumption. The kit works by heating the water inside the AquaGo and activating the circulation pump to move warm water throughout the system, preventing ice formation.

2. SAFETY INFORMATION

WARNING:

- Always disconnect power before performing any installation, maintenance, or troubleshooting.
- Installation should be performed by a qualified technician to ensure proper function and safety.
- Ensure all electrical connections are secure and properly insulated to prevent short circuits or electrical hazards.
- This kit is for freeze protection only. It does not replace the primary heating function of the Truma AquaGo unit.
- Do not operate the Truma AquaGo with the flue plug inserted when using propane for water heating. The flue plug is only for use when the antifreeze kit is active and the propane burner is off, especially during travel in freezing conditions.

3. PACKAGE CONTENTS

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



Figure 1: Contents of the Truma AquaGo Electric Antifreeze Kit. This image displays the main heating element, the yellow "easy drain lever" insert, and the associated wiring harness, along with the product packaging.

- Electric Antifreeze Heating Element
- "Easy Drain Lever" Insert (yellow component)
- Wiring Harness
- Flue Plug (if included with specific model variant)
- Mounting Hardware (if applicable)

4. SETUP AND INSTALLATION

The Truma AquaGo Electric Antifreeze Kit features a plug-and-play design for straightforward installation. However, professional installation is recommended.

4.1 Tools Required

- Basic hand tools (e.g., screwdriver, wire strippers/crimpers if modifying wiring)
- Multimeter (for verifying power connections)

4.2 Installation Steps

1. **Prepare the AquaGo Unit:** Ensure the Truma AquaGo unit is powered off and cooled down. Close any LPG supply valves.

2. **Locate the Easy Drain Lever:** Identify the "easy drain lever" on your Truma AquaGo Comfort or Comfort Plus unit.
3. **Insert Antifreeze Kit:** The electric antifreeze kit is designed to be inserted into the existing "easy drain lever" mechanism. Carefully align and insert the heating element and its housing.
4. **Connect Wiring Harness:** Connect the provided wiring harness to the antifreeze kit and then to the designated connection point on your Truma AquaGo unit. Refer to your AquaGo unit's main manual for specific wiring diagrams if needed. The kit operates on 12V DC.
5. **Secure Connections:** Ensure all connections are firm and secure.
6. **Power On and Test:** Restore 12V DC power to the Truma AquaGo system. The system may require a reboot of the control panel to recognize the newly installed antifreeze kit. Monitor the system for proper operation.



Figure 2: Detailed view of the electric antifreeze heating element, showing the mesh filter and connection point. This component is inserted into the AquaGo's drain mechanism.

5. OPERATING INSTRUCTIONS

The Truma AquaGo Electric Antifreeze Kit is designed for automatic operation once installed and powered.

5.1 Activating Freeze Protection

- Ensure the Truma AquaGo unit has 12V DC power supplied.
- The kit will automatically activate when ambient temperatures approach freezing, circulating warm water within the AquaGo to prevent ice formation.
- This system allows for freeze protection without the need to drain the water system or use LPG, even when the main burner is off or during travel.
- If traveling in freezing conditions, it is recommended to insert the flue plug (if provided) into the AquaGo's exhaust flue to protect against wind chill, ensuring optimal performance of the antifreeze kit. **Remember to remove the flue plug before operating the AquaGo with propane.**

5.2 Important Considerations

- The antifreeze kit is a supplementary system for freeze protection, not a primary water heater.

- Continuous 12V DC power is required for the kit to function.
- The kit is effective down to approximately -4°F (-20°C). In extreme cold below this temperature, additional winterization measures may be necessary.

6. MAINTENANCE

The Truma AquaGo Electric Antifreeze Kit requires minimal maintenance.

- **Regular Inspection:** Periodically inspect the heating element and wiring for any signs of wear, damage, or corrosion.
- **Cleaning:** If the heating element appears to have mineral deposits, it can be carefully removed and cleaned according to the Truma AquaGo main unit's descaling instructions. Ensure the unit is powered off and water drained before removal.
- **Storage:** If the RV or vehicle is stored for an extended period in freezing temperatures without power, it is still recommended to drain the entire water system, including the Truma AquaGo, to prevent damage.

7. TROUBLESHOOTING

If you encounter issues with your Truma AquaGo Electric Antifreeze Kit, refer to the following table:

Problem	Possible Cause	Solution
Antifreeze kit not activating.	No 12V DC power. Control panel not recognizing kit. Ambient temperature not low enough.	Check 12V DC power supply to the AquaGo unit. Reboot the Truma control panel. Verify ambient temperature is below activation threshold.
Water still freezing despite kit operation.	Extreme cold beyond kit's capacity. Insufficient water circulation. Faulty heating element.	Consider additional winterization or draining the system in extreme conditions. Ensure AquaGo pump is functioning correctly. Contact Truma support for inspection/replacement.
Error message on Truma control panel.	Connection issue or component failure.	Refer to your Truma AquaGo main manual for specific error codes. Check wiring connections.

If problems persist, contact Truma customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	77400-01
Power Supply	12V DC
Frost Protection Temperature	Down to -4°F (-20°C)
Compatibility	Truma AquaGo Comfort, Truma AquaGo Comfort Plus

Feature	Detail
Item Weight	15.8 ounces (approx. 0.45 kg)
Package Dimensions	9.09 x 6.34 x 3.03 inches (approx. 23.1 x 16.1 x 7.7 cm)
Manufacturer	Truma

9. WARRANTY INFORMATION

Truma products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Truma website. Typically, Truma offers a limited warranty against defects in materials and workmanship from the date of purchase. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT


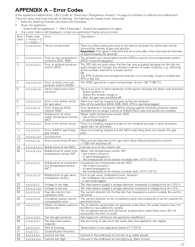
For technical assistance, troubleshooting, or warranty inquiries, please contact Truma customer support:





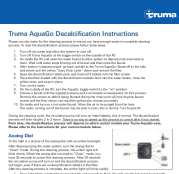



- **Website:** www.truma.com
- **Phone:** Refer to the Truma website for regional contact numbers.
- **Email:** Refer to the Truma website for contact email.

When contacting support, please have your product model number (77400-01) and proof of purchase readily available.

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This manual is subject to change without notice.

Related Documents - 77400-01

	<p>Truma AquaGo AU LP Gas Instant Water Heater: Operating Instructions</p> <p>Comprehensive operating instructions and safety guidelines for the Truma AquaGo AU LP Gas Instant Water Heater, designed for recreational vehicles (RVs). Learn about installation, operation, maintenance, and troubleshooting.</p>
	<p>Truma AquaGo Water Heater Error Codes and Troubleshooting Guide</p> <p>Comprehensive guide to Truma AquaGo water heater error codes, flash patterns, and troubleshooting steps. Learn how to identify and resolve common malfunctions.</p>

<p>Truma CP plus</p>  <p>Operating Instructions Truma CP plus (CP plus)</p> 	<p>Truma CP plus Operating Instructions</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>Truma CP plus Panel de control digital</p> <p>ADVERTENCIA La instalación de cualquier sistema de calefacción debe ser realizada por un profesional cualificado. No se permite la instalación de este sistema de calefacción en viviendas con personas mayores de 65 años, personas con discapacidad o personas con problemas de salud que puedan verse afectados por la instalación de este sistema de calefacción. La instalación de este sistema de calefacción debe ser realizada de acuerdo con las normas de seguridad y los requisitos de instalación de la normativa local, nacional y europea.</p> <p>Precauciones de Seguridad Este sistema de calefacción debe ser instalado de acuerdo con las normas de seguridad y los requisitos de instalación de la normativa local, nacional y europea. La instalación de este sistema de calefacción debe ser realizada de acuerdo con las normas de seguridad y los requisitos de instalación de la normativa local, nacional y europea.</p> 	<p>Truma CP plus Panel de Control Digital: Manual de Operación e Instalación</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>Truma AquaGo Decalcification Instructions</p> <p>1. Turn off the water heater and allow it to cool down for 15 minutes. 2. Disconnect the water supply and gas supply to the water heater. 3. Remove the access panel to the water heater. 4. Fill the water heater with a mixture of white vinegar and water (1:1 ratio). 5. Allow the mixture to sit in the water heater for 24 hours. 6. Flush the water heater with clean water until the vinegar smell is gone. 7. Reconnect the water supply and gas supply to the water heater. 8. Turn on the water heater and allow it to heat up. 9. Check for any leaks or unusual noises. 10. If the problem persists, contact a qualified technician.</p> <p>Analog Dial The analog dial on the water heater controls the temperature. Turn the dial to the desired temperature setting. The temperature will be reached within 15 minutes.</p> 	<p>Truma AquaGo Decalcification Instructions and Maintenance Guide</p> <p>Detailed instructions for decalcifying your Truma AquaGo RV water heater. This guide covers procedures for both Analog Dial and CP plus controller models, including troubleshooting steps for common issues like being stuck in clean mode.</p>
 <p>Truma AquaGo® LP Gas Instant Water Heater</p> <p>Model: Truma AquaGo® LP Gas Instant Water Heater (AquaGo® LP)</p> <p>ADVERTENCIA Este sistema de calefacción debe ser instalado de acuerdo con las normas de seguridad y los requisitos de instalación de la normativa local, nacional y europea. La instalación de este sistema de calefacción debe ser realizada de acuerdo con las normas de seguridad y los requisitos de instalación de la normativa local, nacional y europea.</p> <p>Precauciones de Seguridad Este sistema de calefacción debe ser instalado de acuerdo con las normas de seguridad y los requisitos de instalación de la normativa local, nacional y europea. La instalación de este sistema de calefacción debe ser realizada de acuerdo con las normas de seguridad y los requisitos de instalación de la normativa local, nacional y europea.</p> <p>Safe and Sound This system of heating should be installed in accordance with the safety and installation requirements of the local, national and European regulations. The installation of this system of heating should be carried out in accordance with the safety and installation requirements of the local, national and European regulations.</p> 	<p>Truma AquaGo LP Gas Instant Water Heater: Installation and Operating Manual</p> <p>Comprehensive guide for the Truma AquaGo LP Gas Instant Water Heater, covering installation, operation, safety, maintenance, and troubleshooting for recreational vehicles (RVs).</p>