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2 KW Geyser Heating Element

Altro 2 Vertical Geyser Heating Element: Installation and Maintenance Guide

Model: 2 KW Geyser Heating Element | Brand: Generic

INTRODUCTION

This manual provides comprehensive instructions for the safe installation, operation, and maintenance of the Generic Altro 2 Vertical Geyser Heating Element. This element is designed for efficient and durable performance in 15-50 liter Altro 2 geysers. Please read this guide thoroughly before installation and use to ensure proper function and safety.

SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation and maintenance should only be performed by qualified personnel. Disconnect power to the geyser before proceeding with any installation or maintenance.

- Ensure the main power supply to the geyser is switched off and locked out before beginning any work.
- Always wear appropriate personal protective equipment (PPE), including insulated gloves and safety glasses.
- Verify that the replacement heating element specifications (voltage, wattage) match the original element and your geyser's requirements.
- Do not operate the geyser without water. This can damage the heating element and the geyser.
- Inspect the element for any damage before installation. Do not install a damaged element.
- Ensure all electrical connections are secure and properly insulated.
- This heating element is designed for water heating applications only. Do not use for other purposes.

PACKAGE CONTENTS

The package typically includes:

- Altro 2 Geyser Heating Element
- Mounting hardware (may vary)
- Installation manual (this document)

SPECIFICATIONS

Model Name	RAcold Altro2 Vertical (Compatible)
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Power	2000 Watts (2 KW)
Voltage	230 Volts (AC)
Material	High-quality Copper
Flange Diameter	111 MM
Product Dimensions	11.1L x 11.1W x 27H Centimeters
Item Weight	300 - 370 Grams (approx.)
Special Feature	Shock Proof
Compatibility	15 to 50 liter Altro 2 Geysers

SETUP AND INSTALLATION

This section outlines the general steps for replacing a geyser heating element. Specific steps may vary based on your geyser model. If unsure, consult a qualified technician.

- Disconnect Power:** Locate the main power switch for your geyser and turn it OFF. For added safety, consider turning off the main circuit breaker for your home.
- Drain Geyser:** Turn off the cold water supply to the geyser. Open a hot water faucet in your home to relieve pressure and allow the geyser to drain. Connect a hose to the geyser's drain valve and direct it to a floor drain or outside. Open the drain valve to completely empty the geyser.
- Access Element:** Once the geyser is empty, locate the heating element access panel, usually at the bottom or side of the geyser. Remove the cover.
- Disconnect Wiring:** Carefully disconnect the electrical wires from the old heating element terminals. Note their positions or take a photo for reassembly.
- Remove Old Element:** Use a suitable wrench or element removal tool to unscrew the old heating element from the geyser tank. Be prepared for any residual water.
- Inspect and Clean:** Inspect the geyser tank opening for any debris or scale. Clean the area thoroughly.
- Install New Element:** Insert the new Altro 2 Geyser Heating Element into the opening. Ensure the gasket is properly seated to prevent leaks. Tighten the element securely with the wrench. Do not overtighten.
- Reconnect Wiring:** Reconnect the electrical wires to the new heating element terminals, ensuring they match the original configuration.
- Refill Geyser:** Close the geyser's drain valve. Turn on the cold water supply to the geyser. Open a hot water faucet in your home to allow air to escape as the tank fills. Once water flows steadily from the hot faucet, the geyser is full. Close the hot faucet.
- Restore Power:** Replace the access panel cover. Turn the main power supply to the geyser back ON.



Image 1: Front view of the Altro 2 Vertical Geyser Heating Element. This shows the main heating coils and the thermostat probe.



Image 2: Bottom view of the heating element flange, showing the electrical terminals and mounting holes.

OPERATING INSTRUCTIONS

Once the heating element is installed and the geyser is refilled with water, the unit is ready for operation.

- Ensure the geyser is completely filled with water before turning on the power. Operating an empty geyser will damage the heating element.
- Turn on the power supply to the geyser.
- Allow sufficient time for the water to heat up. The heating time will depend on the geyser capacity and the desired temperature.
- The geyser's thermostat will regulate the water temperature. Refer to your geyser's original manual for thermostat adjustment instructions.

MAINTENANCE

Regular maintenance helps prolong the life of your heating element and geyser.

- **Annual Inspection:** It is recommended to have your geyser and heating element inspected annually by a qualified technician.
- **Anode Rod Check:** The geyser's anode rod protects the tank from corrosion. Check and replace it as needed, typically every 3-5 years, or more frequently in areas with hard water.
- **Sediment Flush:** Periodically drain and flush your geyser to remove sediment buildup, which can reduce efficiency and lifespan of the element.
- **Element Cleaning:** If removing the element for inspection, gently clean any scale buildup with a non-abrasive brush. Avoid harsh chemicals.
- **Electrical Connections:** Ensure all electrical connections remain tight and free from corrosion.

TROUBLESHOOTING

If your geyser is not heating water or experiencing issues after element replacement, consider the following:

Problem	Possible Cause	Solution
No hot water	No power to geyser; tripped circuit breaker; faulty thermostat; element not connected properly.	Check power supply and circuit breaker. Ensure element wiring is secure. Consult a technician for thermostat issues.
Water not hot enough	Thermostat set too low; sediment buildup; faulty element.	Adjust thermostat. Flush geyser for sediment. If element is faulty, replace it.
Leaking around element	Element not tightened sufficiently; damaged gasket; faulty element flange.	Tighten element (do not overtighten). Replace gasket. Inspect element flange for damage.
Burning smell	Loose electrical connection; element operating without water.	Immediately disconnect power. Check wiring. Ensure geyser is full of water. Seek professional help.

Always disconnect power before attempting any troubleshooting or repairs. If you are unsure about any step, contact a qualified technician.

WARRANTY INFORMATION

This Altro 2 Geyser Heating Element typically comes with a **1-year warranty** from the date of purchase. The warranty covers manufacturing defects under normal use conditions. It does not cover damage due to improper installation, misuse, neglect, or acts of nature.

Please retain your purchase receipt as proof of warranty. For warranty claims, contact your retailer or the manufacturer.

CUSTOMER SUPPORT

For installation assistance, product inquiries, or technical support, please contact the manufacturer or your retailer. You may also refer to the contact information provided on the product packaging or your purchase documentation.

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