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## ACTIVA Volcano 3L

# Activa Volcano Quick Water Heater Geyser

## INSTRUCTION MANUAL

### 1. Introduction

Thank you for choosing the Activa 3 Liters Volcano Quick Water Heater Geyser. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new water heater. Please read this manual thoroughly before installation and use, and keep it for future reference.

This instant water heater is designed to provide hot water quickly and efficiently, featuring a 3-liter capacity, a 3 KVA ISI Copper Element, and a durable 0.8mm Anti Rust Coated 304L Pure Stainless Steel Tank. It includes an Auto Cut-Off function and an ABS Body, ensuring both performance and safety.





Figure 1: Activa Volcano Quick Water Heater Geyser

## 2. Safety Precautions

Your safety is paramount. Please adhere to the following precautions to prevent accidents and ensure proper functioning of the geyser:

- Ensure water supply before turning on the geyser.
- Do not install the geyser yourself. Installation must be performed by a skilled electrician or qualified technician.
- There should be no inflammable material around the geyser.
- Turn OFF the power supply when the geyser is not in use or during maintenance.
- Read the manual carefully before installing the geyser.
- Install the geyser at the appropriate height on the wall, ensuring it is securely mounted.
- Always ensure the water heater is completely full with water before switching on the power supply. To ensure this, open the outlet and inlet valve fully until there are no air pockets or bubbles in the water flowing out of the outlet valve.
- The hexagonal safety valve (pressure relief valve) fitted on the coupling on the inlet pipe will take care of any positive pressure exceeding 3.5 kg/cm<sup>2</sup> (50 p.s.i.) by opening and starting to drip. Do not block this valve.

- If a hydro-pneumatic water pump supplies water or the head of feeding overhead tank exceeds 18 meters, a PRESSURE REDUCING VALVE is to be fitted in the inlet pipe to protect the water heater from excessive pressure.



Figure 2: Advanced Safety Features

### 3. Setup and Installation

Installation of the Activa Volcano Quick Water Heater should be carried out by a qualified professional to ensure safety and proper functioning. Follow these general steps:

1. **Site Selection:** Choose a suitable wall location, ensuring it is sturdy enough to support the geyser's weight when full of water. The location should be near water inlet/outlet points and a power source.
2. **Mounting:** Securely mount the geyser to the wall using appropriate fasteners. Ensure it is level and at the recommended height.
3. **Water Connections:** Connect the cold water inlet (usually blue) and hot water outlet (usually red) pipes to the corresponding ports on the geyser. Use appropriate plumbing fittings and ensure all connections are watertight.
4. **Filling the Tank:** Before connecting to power, open the hot water tap in your sink or shower and then slowly open the cold water inlet valve to the geyser. Allow water to flow through the geyser until a steady

stream of water comes out of the hot water tap, indicating the tank is full and all air has been purged. Close the hot water tap.

5. **Electrical Connection:** Connect the geyser to a dedicated and properly grounded electrical outlet. Ensure the voltage and wattage match the product specifications.



Figure 3: Heats water quickly for immediate use

## 4. Operating Instructions

Once the geyser is properly installed and filled with water, you can begin operation:

1. **Power On:** Ensure the water heater is full of water (as per installation step 3.4). Then, switch on the main power supply to the geyser.
2. **Heating Indicator:** The red indicator light will illuminate, signifying that the heating element is active and water is being heated.
3. **Automatic Cut-Off:** Once the water temperature attains the preset value (maximum 75 degrees Celsius), the red indicator light will turn off, and the green indicator light will glow, indicating that the geyser has reached the desired temperature and the heating element has automatically cut off.
4. **Hot Water Usage:** You can now open your hot water tap to access heated water.
5. **Continuous Operation:** The geyser will automatically reheat water as needed to maintain the set

temperature.



Figure 4: Rapid Heating Capability

## 5. Maintenance

Regular maintenance ensures the longevity and efficiency of your Activa water heater:

- **Cleaning:** Periodically clean the exterior of the geyser with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Descaling:** The geyser features anti-scaling properties. However, in areas with hard water, mineral deposits can accumulate over time. It is recommended to have the heating element and tank descaled by a qualified technician annually to maintain efficiency.
- **Safety Valve Check:** Occasionally check the pressure relief valve for any blockages or leaks. If it drips excessively, consult a technician.
- **Power Off When Not in Use:** For extended periods of non-use, it is advisable to turn off the power supply to the geyser.

## 6. Troubleshooting

If you encounter issues with your Activa water heater, refer to the table below for common problems and solutions. For complex issues, contact customer support.

Problem	Possible Cause	Solution
No hot water / Geyser not turning on	No power supply; Thermal cut-out activated; Faulty heating element.	Check power connection and circuit breaker. If thermal cut-out activates, it indicates a fault; contact service center.
Water not hot enough	Insufficient heating time; Mineral buildup.	Ensure geyser is on for sufficient time. If problem persists, consider descaling by a technician.
Water dripping from safety valve	Normal operation due to pressure build-up; Excessive water pressure.	A small amount of dripping is normal. If excessive, install a pressure reducing valve in the inlet line (refer to Safety Precautions).
Unusual noise from geyser	Sediment buildup in tank.	Contact a qualified technician for inspection and cleaning.

In the rare case of thermostat failure, the thermal cut-out provides protection against dry heating of the element and excessive heating. The company provides an inbuilt service alarm system which will alert as the thermostat fails. The movement of the alarm alerts you should immediately switch off the power supply connected to the geyser and call our Service Center through your dealer for thermostat calibration.

## 7. Specifications

Below are the key specifications for the Activa 3 Liters Volcano Quick Water Heater Geyser:

Feature	Specification
Brand	ACTIVA
Model Number	Volcano 3L
Product Dimensions	20W x 30H Centimeters
Wattage	3000 Watts
Capacity	3 Liters
Special Features	Lightweight, Overheat Protection, Rustproof
Colour	Multicolor
Maximum Temperature	75 Degrees Celsius
Efficiency	Energy Efficient
Mounting Type	Wall
Tank Material	0.8mm Anti Rust Coated 304L Pure Stainless Steel
Body Material	ABS Body
Item Weight	3 kg 20 g

Feature	Specification
Country of Origin	India

#### Geyser Related Precautions:

- (1) Ensure water supply before turning on the geyser. Only after filling the water in the geyser, switch on the geyser.
- (2) Do not install the geyser yourself. Install by a skilled electrician.
- (3) There should be no inflammable material around the geyser.
- (4) Turn OFF the power supply when the geyser is not in use.
- (5) Read the manual carefully before installing the geyser.
- (6) Install the geyser at the appropriate height on the wall.

#### POINT TO REMEMBER

Do not switch on the power supply until the water heater is completely full with water. To ensure this, while installation open the outlet and inlet valve fully till there are no more air pockets/bubbles in the water flowing out of outlet valve.

The hexagonal safety valve (pressure relief valve) fitted on to the coupling on the inlet pipe will take care of any positive pressure exceeding 3.5 kg/cm<sup>2</sup> (50 p.s.i.) by opening and starting to drip.

If a hydro-pneumatic water pump supports water supply or the head of feeding overhead tank exceeds 18 mtr, a PRESSURE REDUCING VALVE is to be fitted in the inlet pipe to protect the water heater from the excessive pressure, as shown in fig-2.

#### INSTRUCTIONS FOR OPERATION

While operating the water heater first time, keep both the inlet and outlet valve open till water starts flowing from outlet, then only switch on the water heater and close the outlet. Never close the inlet while operating the water heater.

The red indicator light will glow till water temperature attains the present value and then thermostat will automatically switch off the power supply and red indicator will go off and the green indicator will glow.

In the rare case of thermostat failure, the thermal cutout provides protection against dry heating of element and excessive heating. The company provides an inbuilt service alarm system which will alert as the thermostat fails. The movement of the alarm alerts you should immediately switch off the power supply connected to the geyser and call our Service Center through your dealer for thermostat calibration.

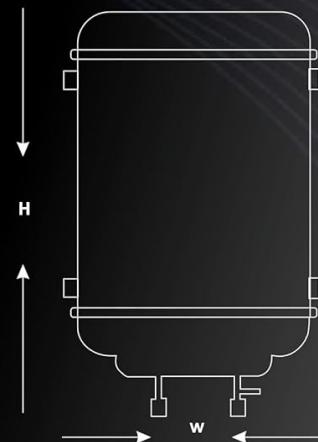


Figure 5: Product Dimensions (23 cm width, 40 cm height)

## 8. Warranty and Support

The Activa 3 Liters Volcano Quick Water Heater Geyser comes with a 5-year warranty. Please note the following terms regarding warranty and service:

- Product installation is to be done by the customer himself or by a qualified technician at the customer's expense.
- For warranty claims or any product-related issues, the customer will need to send the product to the service center for repair.
- The product will be repaired only at our authorized service centers.

For further assistance, warranty claims, or any product-related issues, please contact the manufacturer:

**Manufacturer:** TECHVISION INTERNATIONAL PVT. LTD. INDIA

**Email:** [info@activaappliances.com](mailto:info@activaappliances.com)

**Phone:** 9999427599