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ACTIVA Heat-Max

ACTIVA Heat-Max 25L Storage Water Heater User Manual

Model: Heat-Max | Capacity: 25 Litres

1. IMPORTANT SAFETY INSTRUCTIONS

Please read all instructions carefully before installing or operating the ACTIVA Heat-Max 25L Storage Water Heater. Retain this manual for future reference.

- Ensure water supply is connected and the tank is completely full before turning on the geyser.
- Only switch on the geyser after it is filled with water.
- Installation must be performed by a skilled electrician to ensure safety and proper functioning. Do not attempt to install the geyser yourself.
- Keep the area around the geyser clear of any flammable materials.
- Turn off the power supply to the geyser when it is not in use or during maintenance.
- Install the geyser at the appropriate height on the wall as per installation guidelines.
- The hexagonal safety valve (pressure relief valve) fitted on the inlet pipe coupling will manage any positive pressure exceeding 3.5 kg/cm² (50 p.s.i.) by opening and dripping.
- For hydro-pneumatic water pump systems or overhead tanks exceeding 18 meters, a PRESSURE REDUCING VALVE must be fitted in the inlet pipe to protect the water heater from excessive pressure.

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^2 (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.

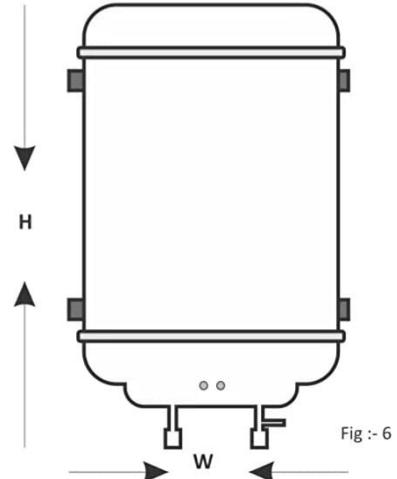


Figure 1: Geyser Related Precautions and Operational Diagram. This image illustrates critical safety points and a basic diagram of the geyser's structure with height (H) and width (W) indicators.

2. PRODUCT OVERVIEW

The ACTIVA Heat-Max 25L Storage Water Heater is designed for efficient and reliable hot water supply. It features a 25-liter capacity, 2 KVA power, and a BEE 5-Star rating for energy efficiency. The unit includes a durable 0.8mm stainless steel tank with a special anti-rust coating, a digital display, and is suitable for high-rise buildings due to its multi-functional valve (MFV) capable of withstanding up to 8 bar pressure.



Figure 2: ACTIVA Heat-Max 25L Storage Water Heater. The image displays the main unit along with included installation components such as flexible pipes, mounting bolts, and an ISI 3-pin plug.



Figure 3: Key Features. This image highlights the Inbuilt Multi-Functional Valve for high-rise buildings, the Digital Display showing water temperature, and the Magnesium Anode for rust and corrosion protection.

3. INSTALLATION

The ACTIVA Heat-Max geyser is designed for wall mounting. For safe and correct installation, it is mandatory to have the unit installed by a qualified electrician or plumber.

3.1 Included Components

- ACTIVA Heat-Max 25L Storage Water Heater Unit
- ISI Wire with Inbuilt ISI 3 Pin Plug
- Installation Kit (includes mounting bolts and flexible pipes)

3.2 Installation Steps (Summary - Professional Installation Required)

1. **Site Selection:** Choose a suitable wall location, ensuring it can support the geyser's weight when full and is near water and power connections. Refer to product dimensions for space planning.

2. **Mounting:** Securely mount the geyser to the wall using the provided installation kit.
3. **Water Connections:** Connect the inlet and outlet pipes. Ensure the multi-functional valve (MFV) is correctly installed on the inlet side, especially for high-rise buildings or pressure pump applications.
4. **Electrical Connection:** Connect the geyser to a suitable power outlet using the ISI wire and 3-pin plug. Ensure the power supply matches the geyser's requirements (220 Volts AC).
5. **Filling the Tank:** Before switching on, open both inlet and outlet water taps to allow the geyser to fill completely. Water should flow freely from the outlet tap, indicating the tank is full and air pockets are removed.



Figure 4: Product Dimensions and Energy Label. The image shows the geyser's dimensions (36x39x50 cm) and its BEE 5-Star energy efficiency rating, crucial for installation planning and energy consumption awareness.



EXCLUSIVELY COMES WITH MFV FOR HIGH-Rise BUILDINGS:

The Geyser Specially Designed With
Multi Functional Valve (MFV). Its Ability To Withstand
Pressure Up To 8 Bar Makes It Suitable For
High Rise Buildings And Pressure Pump Applications.

Figure 5: High-Rise Building Compatibility. This image illustrates the geyser's suitability for high-rise buildings, emphasizing its Multi-Functional Valve (MFV) designed to withstand high water pressure up to 8 bar.

4. OPERATING INSTRUCTIONS

Once the geyser is correctly installed and filled with water, you can begin operation.

- 1. Initial Start-up:** Ensure the water heater is completely full by opening both the inlet and outlet valves until water flows steadily from the outlet.
- 2. Power On:** Switch on the power supply to the geyser. The red indicator light will illuminate, signifying that the heating element is active.
- 3. Temperature Setting:** Use the digital display and temperature control buttons to set your desired water temperature. The display will show the actual water temperature.
- 4. Heating Process:** The geyser will begin heating the water. The red indicator light will remain on during heating.
- 5. Temperature Achieved:** Once the set temperature is reached, the thermostat will automatically switch off the power supply to the heating element. The red indicator light will turn off, and the green indicator light will

illuminate, indicating that the water is hot and ready for use.

6. **Using Hot Water:** Close the inlet valve while operating the water heater to prevent cold water from mixing with the hot water in the tank.
7. **Thermostat Failure:** In the rare event of thermostat failure, the thermal cutout provides protection against dry heating of the element and excessive heating. The geyser includes an inbuilt service alarm system. If an alarm is triggered, immediately switch off the power supply and contact customer support for calibration.



Figure 6: Digital Display. This image provides a close-up view of the digital display panel, showing the current water temperature and the temperature control buttons for adjustment.

5. KEY FEATURES

The ACTIVA Heat-Max 25L Storage Water Heater incorporates several advanced features for performance, durability, and safety:

- **Advanced Capillary Thermostat:** Equipped with multiple temperature control settings, allowing users to adjust the heat level according to comfort and seasonal requirements.

- **Digital Display:** A stylish digital display panel shows the actual water temperature, providing precise control and monitoring.
- **Multi-Functional Valve (MFV) for High-Rise Buildings:** Specifically designed with an MFV that can withstand pressure up to 8 bar, making it suitable for high-rise buildings and pressure pump applications.
- **BEE 5-Star Rated:** Certified energy-efficient product (valid from 1st Jan 2023 to 31st Dec 2025), ensuring trusted performance and verified energy-saving compliance.
- **Extra Thick Sacrificial Magnesium Anode:** The magnesium anode rod acts as an additional layer of protection against corrosion, prolonging the water heater's lifespan.
- **Powerful Extra Thick Heating Element:** A 2000 Watt high-quality, extra-thick heating element ensures fast water heating, providing hot water efficiently.
- **Seven Tank Processed Sheet Metal Body:** The geyser features a seven-tank processed sheet metal powder-coated body with ABS top and bottom, protecting it from rust and corrosion.
- **Glassline Tank for Longer Durability:** The inner tank is constructed with a glassline coating, which protects the geyser from the effects of hard water and ensures a longer operational life.



Figure 7: Digital Display. A detailed view of the digital temperature display and control interface.

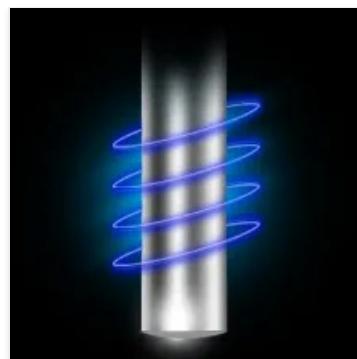


Figure 8: Magnesium Anode Rod. An illustration of the sacrificial magnesium anode rod, which protects the tank from corrosion.

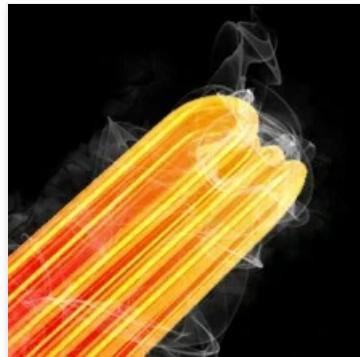


Figure 9: Heating Element. A visual representation of the powerful, extra-thick heating element for rapid water heating.



Figure 10: Glassline Tank. An illustration depicting the glassline coating inside the tank for enhanced durability and protection against hard water.

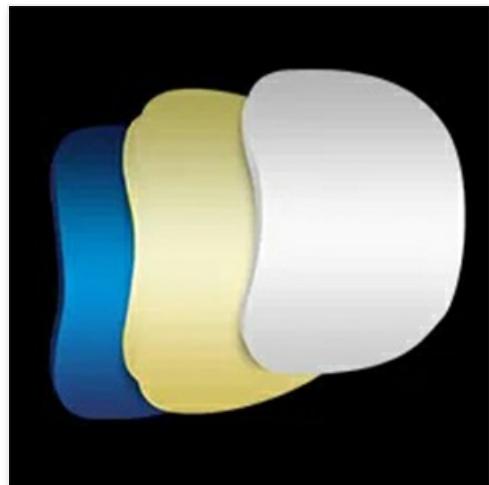


Figure 11: Anti-Rust Coating. A visual representation of the multi-layered anti-rust coating applied to the geyser's body for extended life.

6. SPECIFICATIONS

Feature	Specification
Brand	ACTIVA

Feature	Specification
Model Number	Heat-Max
Capacity	25 Litres
Wattage	2000 Watts (2 KVA)
Voltage	220 Volts (AC)
Energy Efficiency	BEE 5-Star Rated
Maximum Operating Pressure	8 Bars
Tank Material	0.8 mm Heavy-Duty Stainless Steel with Glassline Coating
Body Material	Seven Tank Processed Sheet Metal Powder Coated Body with ABS Top and Bottom
Special Features	Digital Display Panel, High Rise Building Compatible (MFV), Special Anti-Rust Coating, Advanced Capillary Thermostat, Sacrificial Magnesium Anode
Mounting Type	Wall
Colour	White
Product Dimensions (LxWxH)	36 x 39 x 50 cm
Item Weight	9.01 kg
Included Components	ISI Wire With Inbuilt ISI 3 Pin, Installation kit
Country of Origin	India

7. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your ACTIVA Heat-Max water heater.

- Regular Cleaning:** Periodically wipe the exterior of the geyser with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Anode Rod Inspection:** The sacrificial magnesium anode rod should be inspected annually by a qualified technician and replaced if significantly depleted. This protects the tank from corrosion.
- Pressure Relief Valve Check:** Periodically check the pressure relief valve for any blockages or leaks. Ensure it is functioning correctly.
- Drainage:** If the geyser is not to be used for an extended period, it is advisable to drain the tank to prevent water stagnation and potential damage. Consult a technician for proper drainage procedures.
- Professional Servicing:** It is recommended to have the geyser professionally serviced at least once every

two years to ensure all components are in good working order.

8. TROUBLESHOOTING

If you encounter any issues with your ACTIVA Heat-Max water heater, refer to the following common troubleshooting steps. For complex problems, contact customer support.

Problem	Possible Cause	Solution
No hot water / Water not heating	No power supply, thermostat setting too low, heating element failure, thermal cutout activated.	Check power connection and circuit breaker. Adjust thermostat to a higher temperature. If problem persists, contact service.
Water is not hot enough	Thermostat set too low, insufficient heating time, excessive hot water usage.	Increase thermostat setting. Allow more time for heating. Reduce simultaneous hot water usage.
Water leakage	Loose connections, faulty pressure relief valve, tank damage.	Immediately turn off power and water supply. Check pipe connections for tightness. If leakage continues, contact service.
Digital display not working	Electrical fault, display unit malfunction.	Check power supply. If display remains off, contact service.
Red/Green indicator lights not working	Indicator bulb failure, electrical issue.	While the geyser may still function, contact service for repair of indicator lights.

9. WARRANTY AND SUPPORT

The ACTIVA Heat-Max 25L Storage Water Heater comes with a **5-year warranty**, ensuring peace of mind regarding product quality and performance.

9.1 Warranty Claims and Product Support

For warranty claims, technical assistance, or any product-related issues, please contact ACTIVA customer support:

Email: info@activaappliances.com

Phone: 9999427599

Manufacturer: TECHVISION INTERNATIONAL PVT. LTD. INDIA

Please have your product model number (Heat-Max) and purchase details ready when contacting support to facilitate quicker service.