Bajaj Pentacle 25L (Model 150925)

Bajaj Armour Series Pentacle 25L Storage Water Heater User Manual

Model: Pentacle 25L (Model 150925)

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Bajaj Armour Series Pentacle 25L Storage Water Heater. Please read these instructions carefully before using the appliance and retain this manual for future reference.

2. Safety Instructions

Always adhere to the following safety guidelines to prevent injury or damage to the appliance:

- **Professional Installation:** Installation should only be performed by qualified personnel in accordance with local regulations and this manual.
- **Electrical Safety:** Ensure the power supply matches the appliance's requirements. The unit is designed to withstand 4.5KV surge voltage (Bajaj VoltagePro). Use a 16A plug and fire retardant cable.
- **Pressure Compatibility:** This water heater is suitable for high-rise buildings and can withstand up to 8 bar pressure.
- **Shock Resistance:** The engineering thermoplastic outer body provides shock resistance.
- **Child Safety:** Utilize the Child Safety Mode feature to prevent accidental adjustments or operation.
- **Water Connection:** Ensure proper water inlet and outlet connections to prevent leaks.
- **Ventilation:** Do not obstruct any ventilation openings.
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.



Image: Bajaj Armour Series Pentacle Storage Water Heater in a bathroom setting.

3. Product Overview

The Bajaj Armour Series Pentacle 25L Storage Water Heater is designed for efficient and safe hot water delivery. Key features include:

- **Bajaj DuraAce Tank:** Features marine-grade glass-lined coating for enhanced durability and corrosion resistance.
- **Bajaj Duracoat Heating Element:** A non-stick heating element designed for long-lasting performance.
- **Bajaj DuraNte:** Ensures preferred water pressure for consistent performance.
- **Bajaj VoltagePro:** Provides protection against voltage surges up to 4.5KV.
- **Bajaj AgeGuard:** Technology to prevent color fading of the appliance over time.
- **5 Star BEE Rating:** High energy efficiency for reduced electricity consumption.
- **Engineering Thermoplastic Body:** Offers shock resistance and rust-proof properties.
- **LED Indicator:** Clearly shows power on and heating function status.
- **Magnesium Anode:** Provides additional protection against corrosion for the inner tank.
- **Adjustable Thermostat:** Allows for optimum temperature setting.
- **Swirl Flow Technology:** Designed to provide 20% more hot water.



Image: The water heater's unique pentacle shape, designed for premium aesthetics and efficient corner fitting.



Image: The water heater with visual cues indicating its safety features against operational hazards.

4. Setup and Installation

For optimal performance and safety, professional installation is strongly recommended. The water heater is designed for wall mounting.

4.1 Unpacking

Carefully remove the water heater and all accessories from the packaging. Verify that all included components are present:

- 1N: Instruction manual
- 1N: MFSV (Multi-Function Safety Valve)
- 1N: Warranty Card
- 2N: Anchor Fastener Bolts

4.2 Mounting

Select a suitable wall location that can support the weight of the water heater when full. Use the provided anchor fastener bolts for secure wall mounting. Ensure the unit is level.

4.3 Plumbing Connections

Connect the water inlet and outlet pipes. Install the MFSV (Multi-Function Safety Valve) on the cold water inlet pipe as per the diagram in the detailed installation guide (refer to the included instruction manual for specific diagrams). Ensure all connections are watertight.

4.4 Electrical Connection

Connect the water heater to a grounded electrical outlet. The unit requires a corded electric power source with a 16A plug. Ensure the electrical circuit is capable of handling the water heater's power requirements and has appropriate surge protection.



Image: Features indicating suitability for high-rise buildings, including 8 bar pressure resistance and Magnesium Anode Rod.

5. Operating Instructions

5.1 Initial Start-up

1. Ensure the water heater is properly installed and filled with water before switching on the power.
2. Turn on the cold water supply to the water heater.

3. Open a hot water tap in your bathroom to allow air to escape from the tank. Close the tap once water flows steadily.
4. Plug in the water heater or switch on its dedicated power supply.

5.2 Temperature Adjustment

Use the adjustable thermostat knob located on the front of the unit to set your desired water temperature. Rotate the knob clockwise to increase the temperature and counter-clockwise to decrease it.

5.3 LED Indicators

The LED indicator will illuminate to show the power status and when the heating element is active. It will turn off or change color once the set temperature is reached.

5.4 Child Safety Mode

Refer to the detailed instruction manual for specific steps on how to activate and deactivate the Child Safety Mode, if applicable to your model, to prevent unauthorized temperature changes.



Image: Visual representation of Swirl Flow Technology, designed to provide 20% more hot water.

6. Maintenance

Regular maintenance ensures the longevity and efficiency of your water heater.

- **External Cleaning:** Clean the exterior of the water heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Internal Tank Protection:** The DuraAce tank with glass-lined coating and Magnesium Anode provides protection against corrosion and scale buildup. Periodic inspection by a qualified technician is recommended to check the anode rod.
- **Heating Element:** The Duracoat non-stick heating element is designed to resist scale formation, maintaining heating efficiency.
- **Rustproof Body:** The engineering thermoplastic body is rustproof, requiring minimal external maintenance.
- **Drainage:** Periodically drain the tank to remove sediment buildup. Refer to the detailed manual for specific instructions on draining.

7. Troubleshooting

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

Problem	Possible Cause	Solution
No hot water	No power supply; Thermostat set too low; Heating element failure	Check power connection/breaker; Adjust thermostat; Contact service for element replacement.
Water not hot enough	Thermostat set too low; Insufficient heating time; Sediment buildup	Increase thermostat setting; Allow more time for heating; Drain tank to remove sediment.
Water leaks	Loose connections; Faulty MFSV; Tank corrosion	Tighten connections; Inspect/replace MFSV; Contact service for tank inspection.
Unusual noise during operation	Sediment buildup in tank; Loose components	Drain and flush the tank; Contact service for inspection.

8. Specifications

Feature	Specification
Brand	Bajaj
Model Number	150925
Capacity	25 Liters
Power Source	Corded Electric
Product Dimensions (W x H)	46W x 41.5H Centimeters

Feature	Specification
Special Features	Rustproof, Adjustable Thermostat, LED Indicator, Child Safety Mode
Voltage	4.5 Volts (Surge Protection up to 4.5KV)
Efficiency	5 Star Rated (BEE)
Maximum Pressure	8 Bars
Mount Type	Wall
Material Type	Plastic (Engineering Thermoplastic Body)
Item Weight	16200 Grams
Color	White & Blue

9. Warranty and Support

9.1 Warranty Information

Your Bajaj Armour Series Pentacle 25L Storage Water Heater comes with the following warranty:

- **Inner Tank:** 10 Years Warranty
- **Heating Element:** 6 Years Warranty
- **Product:** 4 Years Warranty

Please retain your purchase receipt and warranty card for any warranty claims. The warranty covers manufacturing defects under normal use conditions.

9.2 Customer Support

For installation assistance, troubleshooting, or warranty claims, please contact Bajaj Electricals Limited customer service.
Manufacturer Contact Information:
Bajaj Electricals Limited, At Gat No. 423-426, Wadhivare, Igatpuri, Nashik, Maharashtra - 422403
For the most current contact details, please refer to the warranty card included with your product or visit the official Bajaj website.