Bajaj 150924

Bajaj Armor Series Pentacle 15L Storage Water Heater

Model: 150924 - User Manual

1. Introduction

Thank you for choosing the Bajaj Armor Series Pentacle 15L Storage Water Heater. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new appliance. Please read these instructions carefully before use and retain them for future reference.



Image 1.1: The Bajaj Armor Series Pentacle 15L Storage Water Heater.

2. Safety Instructions

Your safety and the safety of others are paramount. Please observe all safety warnings and precautions outlined below.

- **Professional Installation:** Installation must be performed by a qualified technician in accordance with local regulations and this manual.
- **Electrical Safety:** Ensure the power supply matches the appliance's rating. The water heater is equipped with Bajaj VoltagePro, designed to withstand 4.5KV surge voltage. Use a fire-retardant cable with a 16A plug.
- **Water Pressure:** This unit is suitable for high-rise buildings and can withstand up to 8 bar pressure. Ensure proper pressure relief valve installation.
- **Temperature Control:** The adjustable thermostat knob allows setting the desired water temperature up to 72 degrees Celsius. Avoid excessively high temperatures to prevent scalding.
- **Child Safety:** The unit includes a Child Safety Mode. Always supervise children near the appliance.

- **Maintenance:** Disconnect power before any maintenance or cleaning. Do not attempt repairs yourself. Contact authorized service personnel.
- **Corrosion Protection:** The unit features a Magnesium Anode for enhanced corrosion protection.



Image 2.1: The water heater emphasizing safety features.

3. Included Components

Verify that all components are present in the packaging:

- 1N: Bajaj Armor Series Pentacle 15L Storage Water Heater
- 1N: Instruction Manual (this document)
- 1N: MFSV (Multi-Function Safety Valve)
- 1N: Warranty Card
- 2N: Anchor Fastener Bolts for mounting

4. Installation Guide

Installation of the Bajaj Armor Series Pentacle 15L Storage Water Heater should only be carried out by a qualified and authorized technician. Incorrect installation can lead to hazards and void the warranty.

4.1 Site Selection

- Choose a vertical mounting location that is structurally sound and can support the weight of the water heater when full.
- Ensure adequate space around the unit for maintenance and ventilation.
- The unit's unique pentacle shape is designed to fit corners effectively.

4.2 Mounting the Unit

1. Mark the drilling points on the wall using the provided template or by measuring the unit's mounting brackets.
2. Drill holes and insert the anchor fastener bolts securely.
3. Mount the water heater onto the installed bolts, ensuring it is level and stable.

4.3 Plumbing Connections

1. Connect the cold water inlet to the designated port (usually marked blue or with a 'C').
2. Connect the hot water outlet to the designated port (usually marked red or with an 'H').
3. Install the Multi-Function Safety Valve (MFSV) on the cold water inlet line as per local codes.
4. Ensure all connections are watertight using appropriate sealing materials.

4.4 Electrical Connection

1. Connect the water heater to a dedicated electrical circuit with proper grounding.
2. Ensure the power supply is 230 Volts and the circuit can handle 2000 Watts.
3. Use the recommended 16A plug and fire-retardant cable.



Image 4.1: Example of a Bajaj Armor Series Pentacle water heater installed in a bathroom.

5. Operating Instructions

Follow these steps for safe and effective operation of your water heater.

5.1 Initial Start-up

1. Before switching on, ensure the tank is completely filled with water. Open a hot water tap in your home until water flows steadily, indicating the tank is full and air has been purged.
2. Plug in the water heater or switch on the dedicated power supply.

5.2 Temperature Adjustment

- Use the adjustable thermostat knob located on the front panel to set your desired water temperature.
- The LED indicator will illuminate to show the power on and heating function status.
- The maximum temperature setting is 72 degrees Celsius. For energy efficiency and safety, a setting between 45-55 degrees Celsius is often sufficient.

5.3 Child Safety Mode

Refer to the detailed instructions in the physical manual for activating and deactivating the Child Safety Mode to prevent accidental temperature changes.



Image 5.1: The water heater featuring Swirl Flow Technology for efficient heating.

6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your water heater. Always disconnect the power supply before performing any maintenance.

6.1 Cleaning the Exterior

- Wipe the exterior of the water heater with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the engineering thermoplastic body and the Bajaj AgeGuard coating which prevents color fading.

6.2 Descaling (Professional Service Recommended)

- Over time, mineral deposits (scale) can accumulate inside the tank and on the heating element, reducing efficiency.
- It is recommended to have the water heater descaled by a qualified technician annually, especially in areas with hard

water.

- The Bajaj DuraCoat non-stick heating element is designed to resist scale buildup, but periodic inspection is still beneficial.

6.3 Anode Rod Inspection

- The Magnesium Anode rod protects the tank from corrosion. It should be inspected and replaced by a qualified technician every 1-2 years, depending on water quality.

7. Troubleshooting

Before contacting customer support, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
No hot water	No power, thermostat set too low, heating element failure.	Check power supply. Adjust thermostat. Contact service if element suspected.
Water not hot enough	Thermostat set too low, excessive hot water usage, scale buildup.	Increase thermostat setting. Allow more recovery time. Consider descaling.
Water too hot	Thermostat set too high.	Reduce thermostat setting.
Leakage from unit	Loose connections, faulty MFSV, tank corrosion.	Tighten connections. Inspect MFSV. Contact service for tank issues.
Unusual noise	Sediment buildup in tank.	Contact service for tank flushing/descaling.

For issues not listed here or if solutions do not resolve the problem, please contact Bajaj customer support.

8. Technical Specifications

Key technical details for the Bajaj Armor Series Pentacle 15L Storage Water Heater:

Feature	Specification
Brand	Bajaj
Model Number	150924
Capacity	15 Liters
Power Source	Corded Electric
Wattage	2000 Watts
Voltage	230 Volts
Maximum Temperature	72 Degrees Celsius
Maximum Pressure	8 Bars
Mount Type	Vertical
Body Material	Engineering Thermoplastic (Plastic)

Feature	Specification
Tank Coating	Marine grade glassline (Bajaj DuraAce)
Heating Element	Non-stick (Bajaj DuraCoat)
Special Features	LED Display, VoltagePro (4.5KV surge protection), AgeGuard (color fading prevention), Swirl Flow Technology, Child Safety Mode
Product Dimensions (W x H)	39.7W x 36H Centimeters
Item Weight	9600 Grams
Manufacture Year	2023

9. Warranty and Customer Support

Bajaj provides comprehensive warranty coverage for your water heater:

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

Please retain your purchase receipt and warranty card for any claims. For service requests, technical assistance, or to locate an authorized service center, please contact Bajaj customer support.

Manufacturer Contact Information: Bajaj Electricals Ltd

Packer Contact Information: M/S. Bajaj Electricals Limited, #45/47 Veer Nariman Road, Mumbai-400001, Mumbai

10. Additional Information

No official product videos from the seller are available for embedding at this time.



Image 10.1: Bajaj VoltagePro feature, providing 4.5kW surge protection.



Image 10.2: Bajaj AgeGuard feature, designed to prevent color fading of the appliance.



Image 10.3: Key features including Bajaj DuraAce Tank, DuraCoat heating element, and Swirl Flow Technology.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question