Voltas 105SPBWT

Voltas Magna 5-Star 10L Water Heater 2000W User Manual

Model: 105SPBWT

Safety Information Product Overview Setup & Installation Operating Instructions Maintenance Troubleshooting Specifications Warranty & Support

1. Safety Information

Read all instructions carefully before installation and use. Retain this manual for future reference.

- **Electrical Safety:** Ensure the water heater is connected to a properly grounded electrical outlet. Do not use extension cords. Disconnect power before any maintenance or service.
- **Water Pressure:** This appliance is designed to withstand up to 8 bar pressure, suitable for high-rise buildings. Ensure your home's water pressure does not exceed this limit.
- **Temperature Control:** Hot water can cause severe burns. Exercise caution when setting the temperature and always test water temperature before use, especially for children or individuals with reduced sensitivity.
- **Installation:** Installation must be performed by a qualified technician in accordance with local codes and this manual. Improper installation can lead to electric shock, fire, or water leakage.
- **Water Leakage:** Regularly inspect for signs of water leakage. If a leak is detected, immediately turn off the water supply and electrical power to the unit and contact customer support.
- **IPX4 Water Proofing:** The unit features IPX4 waterproofing, protecting against splashing water. However, it should not be submerged or exposed to direct water jets.

2. Product Overview

The Voltas Magna 5-Star 10L Water Heater is a high-efficiency storage water heater designed to provide a continuous supply of hot water. It features a 2000W copper nickel-plated heating element for fast heating, a durable stainless steel tank with Quartzline Technology, and a 6-level safety system.



Figure 2.1: Voltas Magna 10L Water Heater, front view.

Key Features:

- **Capacity:** 10 Liters, suitable for various household needs.
- **Power:** 2000W for efficient and rapid heating.
- **Pressure Compatibility:** 8 Bar pressure rating, ideal for high-rise buildings.
- **Heating Element:** Copper Nickel-plated for superior heating performance.
- **Tank Construction:** Ultra-Strong Steel Single Line welded Tank with Quartzline Technology (Enamel Coated Glassline Tank) for durability and corrosion resistance.
- **Safety:** Comprehensive 6-level safety system and IPX4 Water Proofing.
- **Energy Efficiency:** 5-Star rated for energy saving.

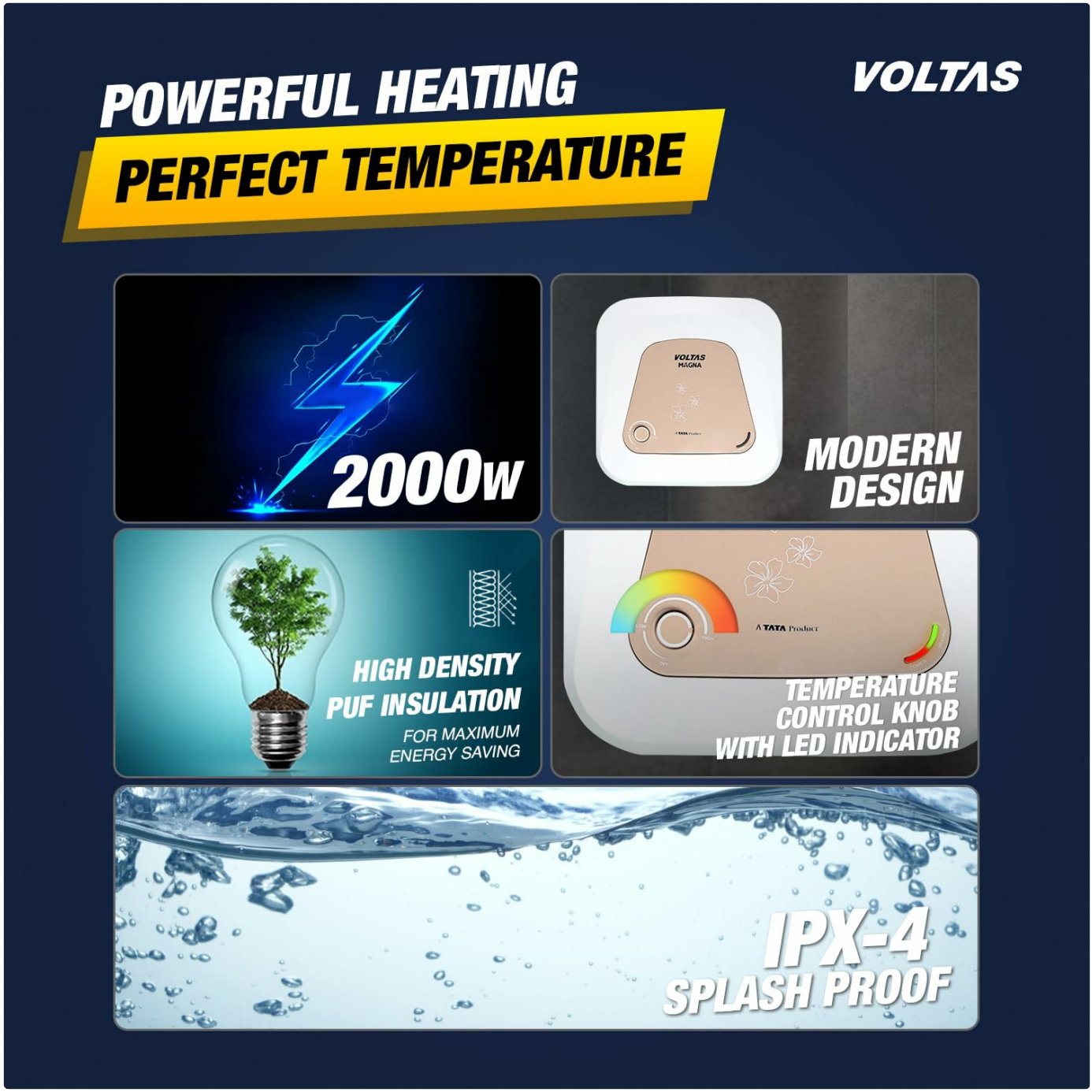


Figure 2.2: Overview of key features including 2000W heating, modern design, high-density PUF insulation, temperature control knob with LED indicator, and IPX-4 splash proofing.

3. Setup & Installation

Professional installation is highly recommended for optimal performance and safety. The product includes connecting pipes, an MFV valve, fasteners, and a wall mount bracket.

3.1 Pre-Installation Checks

- **Location:** Choose a suitable location near a water supply and electrical outlet, ensuring adequate space for maintenance. The wall must be strong enough to support the full weight of the water heater when filled.
- **Water Supply:** Ensure clean water supply with appropriate pressure.
- **Electrical Supply:** Verify that the electrical circuit can handle a 2000W appliance and has proper grounding.

3.2 Mounting the Water Heater

1. Mark the drilling points on the wall using the provided wall mount bracket as a template.
2. Drill holes and insert the fasteners.
3. Securely attach the wall mount bracket.
4. Carefully lift and hang the water heater onto the mounted bracket. Ensure it is stable and level.

3.3 Water Connections

1. Connect the cold water inlet (usually marked blue) to your main cold water supply using the provided flexible pipes. Install the MFV (Multi-Function Valve) on the cold water inlet pipe as per the diagram in the full manual.
2. Connect the hot water outlet (usually marked red) to your hot water distribution system using the provided flexible pipes.
3. Ensure all connections are tight to prevent leaks.

3.4 Electrical Connection

1. Ensure the power supply is OFF at the main circuit breaker.
2. Connect the water heater's power cord to a dedicated, grounded electrical outlet.
3. Do not use adapters or extension cords.

3.5 Initial Filling

1. Before turning on the power, open a hot water faucet in your home to allow air to escape from the water heater and pipes.
2. Slowly open the cold water supply valve to the water heater.
3. Allow the tank to fill completely until water flows steadily from the open hot water faucet.
4. Close the hot water faucet. The water heater is now filled and ready for operation.

4. Operating Instructions

Once installed and filled, your Voltas Magna water heater is ready for use.

4.1 Powering On/Off

- To turn on, switch on the electrical supply to the water heater at the main circuit breaker. The power indicator light on the unit will illuminate.
- To turn off, switch off the electrical supply at the main circuit breaker.

4.2 Temperature Control

The water heater is equipped with a temperature control knob and an LED indicator for precise temperature adjustment.



Figure 4.1: Smart Thermostat Technology for automatic temperature control.

- Rotate the temperature control knob clockwise to increase the desired water temperature and counter-clockwise to decrease it.
- The LED indicator will show the heating status. It typically illuminates when heating is active and turns off when the set temperature is reached.
- The Smart Thermostat Technology automatically maintains the set temperature.

4.3 First Use

During the first use, it may take some time for the water to reach the desired temperature. Allow the unit to complete at least one full heating cycle before adjusting the temperature further.

5. Maintenance

Regular maintenance ensures the longevity and efficient operation of your water heater.

5.1 Regular Cleaning

- Wipe the exterior of the water heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the area around the water heater is kept clean and free from obstructions.

5.2 Magnesium Anode Inspection

The water heater is equipped with a Magnesium Anode to protect the tank from corrosion. This anode should be inspected and replaced periodically by a qualified service technician, typically every 6 months to 1 year, depending on water quality. Failure to do so may void the tank warranty.



Figure 5.1: Copper Nickel Plating Element for superior heating and Magnesium Anode for corrosion protection.

5.3 Draining the Tank (If Required)

If the water heater needs to be drained for extended periods of non-use or service:

1. Turn off the electrical supply to the water heater.
2. Turn off the cold water supply valve to the water heater.

3. Open a hot water faucet in your home to relieve pressure.
4. Connect a hose to the drain valve at the bottom of the water heater and direct it to a suitable drain.
5. Open the drain valve and allow the tank to empty completely.
6. Once drained, close the drain valve and hot water faucet. Refill the tank as per Section 3.5 before restoring power.

6. Troubleshooting

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

Problem	Possible Cause	Solution
No hot water	No power supply; Thermostat tripped; Heating element failure	Check circuit breaker; Reset thermostat (if accessible); Contact service technician
Water is lukewarm	Temperature setting too low; Insufficient heating time; Sediment buildup	Adjust temperature knob higher; Allow more time for heating; Contact service for descaling
Water leakage	Loose connections; Faulty MFV valve; Tank corrosion	Tighten connections; Replace MFV valve; Contact service technician immediately
Unusual noise from heater	Sediment buildup in tank; Loose components	Contact service for descaling; Contact service for inspection

If the problem persists after attempting these solutions, please contact Voltas customer support.

7. Specifications

Technical details for the Voltas Magna 5-Star 10L Water Heater (Model 105SPBWT).

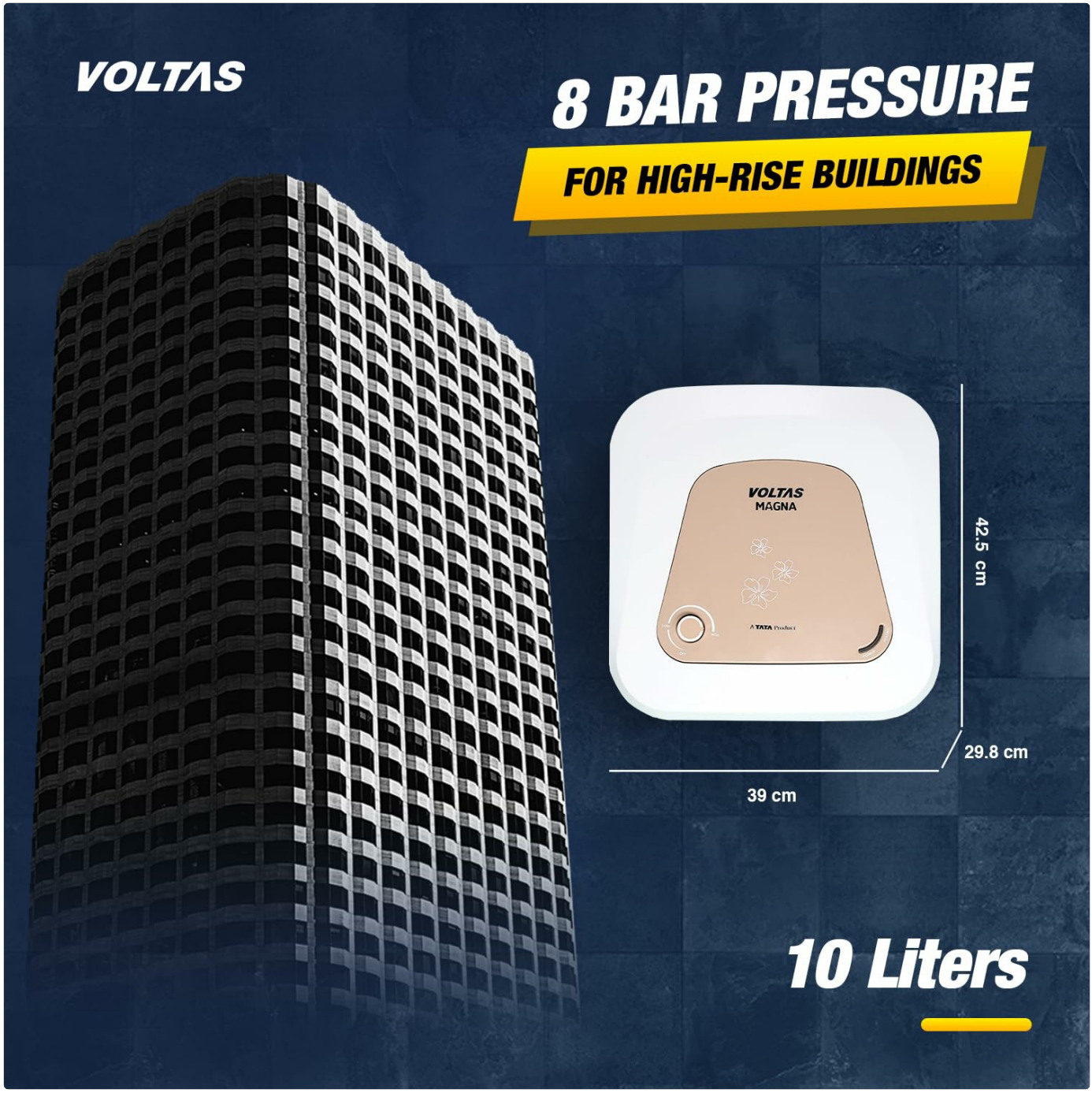


Figure 7.1: Product dimensions and 8 Bar pressure rating for high-rise buildings.

Feature	Detail
Brand	Voltas
Model Number	105SPBWT
Capacity	10 Liters
Power Source	Corded Electric
Power Consumption	2000W
Product Dimensions (W x H)	39W x 42.5H Centimeters
Item Weight	8000 Grams
Maximum Pressure	8 Bars

Feature	Detail
Mount Type	Wall
Material Type	Stainless Steel (Tank)
Heating Element	Copper Nickel Plated
Safety Features	6-level safety system, IPX4 Water Proofing
Included Components	Water Heater, Flexible Pipes, Plug Tops, Fasteners

8. Warranty & Support

Voltas provides comprehensive warranty coverage for your water heater.



Figure 8.1: Warranty details for the Voltas Magna Water Heater.

- **Product Warranty:** 2 Years on the entire product.
- **Heating Element Warranty:** 3 Years on the heating element.
- **Tank Warranty:** 7 Years on the inner tank.

Please retain your purchase receipt for warranty claims. Warranty terms and conditions apply as per Voltas policy.

8.1 Installation Service

Free installation may be available for this product. Please contact Voltas customer support to schedule your installation and verify eligibility.

8.2 Customer Support

For any queries, service requests, or technical assistance, please contact Voltas customer support.

Manufacturer Address: Voltas House 'A' Block, Dr. Babasaheb Ambedkar Rd, Chinchpokli, Mumbai - 400 033, India.

Please refer to the official Voltas website or your product documentation for the most current contact information.

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