

KENT AN_51246

KENT Super Plus RO Water Purifier User Manual

Model: AN_51246

1. INTRODUCTION

The KENT Super Plus RO Water Purifier is designed to provide 100% pure and safe drinking water through its advanced multiple purification process. This system combines RO (Reverse Osmosis), UF (Ultra Filtration), and TDS (Total Dissolved Solids) Control to remove dissolved impurities such as arsenic, rust, pesticides, and fluorides, while also eliminating bacteria and viruses. The integrated TDS control system allows for adjustment of the purified water's TDS level, ensuring essential natural minerals are retained for healthier drinking water.



Image: KENT Super Plus RO Water Purifier, showcasing its sleek design and internal components.

2. SAFETY INSTRUCTIONS

Please read all safety instructions carefully before operating the appliance to prevent injury or damage. Keep this manual for future reference.

- Ensure the power supply matches the specifications listed on the product label.
- Do not immerse the appliance, cord, or plug in water or other liquids.
- Unplug the purifier from the power outlet when not in use, before cleaning, or during maintenance.
- Do not operate the appliance with a damaged cord or plug, or if it has been dropped or damaged in any manner.
- Keep children away from the appliance during operation.
- Install the purifier in a location away from direct sunlight, heat sources, and corrosive chemicals.
- Ensure proper ventilation around the unit.
- Only use genuine KENT spare parts for replacement to ensure optimal performance and safety.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are present and undamaged:

- Main Unit (KENT Super Plus RO Water Purifier)
- Warranty Card
- User Manual (this document)

Note: A pre-filter is not included with this package and may need to be purchased separately depending on your water source quality.

4. SETUP AND INSTALLATION

The KENT Super Plus RO Water Purifier is designed for wall-mounted installation. Professional installation is recommended to ensure proper functioning and adherence to safety standards.

4.1 Site Selection

- Choose a flat, stable wall surface near a water supply and a power outlet.
- Ensure adequate space around the unit for maintenance and air circulation.
- Avoid direct sunlight or areas prone to extreme temperatures.

4.2 Installation Steps (Overview)

1. Mark the drilling points on the wall using the provided template (if applicable).
2. Drill holes and insert wall plugs.
3. Mount the purifier securely on the wall.
4. Connect the raw water inlet pipe to the water supply.
5. Connect the purified water outlet pipe to the dispenser tap.
6. Connect the reject water pipe to a drain.
7. Ensure all connections are secure and leak-free.
8. Plug the power cord into a suitable electrical outlet.

Multiple Purification Process



Image: Diagram illustrating the multi-stage purification process including Sediment Filter, Carbon Filter, RO Membrane, TDS Controller, UF Membrane, and Post Carbon Filter, leading to 100% Pure Water.

5. OPERATING INSTRUCTIONS

Once installed and connected, the KENT Super Plus RO Water Purifier operates largely automatically.

5.1 Initial Start-up

1. Turn on the raw water supply.
2. Plug in the power cord. The purifier will begin the purification process.
3. Allow the storage tank to fill completely. The purification process will stop automatically once the tank is full.
4. For the first use, discard the first two full tanks of purified water to flush out any manufacturing residues.

5.2 Dispensing Water

- Place a clean container under the dispenser tap.
- Turn the tap handle to dispense purified water.
- The purifier will automatically start purifying water again as the water level in the storage tank drops.

5.3 Water Level Indicator

The purifier features a water level indicator on the front panel, allowing you to easily monitor the amount of purified water available in the 8-liter storage tank.

The purification capacity of this unit is approximately 15 liters per hour, depending on the input water pressure and TDS levels.

6. MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your KENT Super Plus RO Water

Purifier.

6.1 Filter Replacement

The purification system relies on various filters and membranes. The lifespan of these components depends on the quality of the input water and usage volume. It is recommended to replace filters and membranes periodically as advised by KENT service personnel or when the water flow rate significantly decreases or taste changes.

- **Sediment Filter & Carbon Filter:** Typically replaced every 6-12 months.
- **RO Membrane & UF Membrane:** Typically replaced every 1-2 years, or as needed.
- **Post Carbon Filter:** Typically replaced every 6-12 months.

Always use genuine KENT replacement parts. Contact authorized service centers for filter replacement.

6.2 Cleaning the Unit

- Unplug the purifier before cleaning.
- Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Clean the storage tank periodically by draining and rinsing it.

7. TROUBLESHOOTING

If you encounter any issues with your KENT Super Plus RO Water Purifier, refer to the common problems and solutions below. If the problem persists, contact KENT customer support.

Problem	Possible Cause	Solution
No water dispensing	No power; Water supply off; Tank empty; Clogged filters/membrane.	Check power connection; Turn on water supply; Wait for tank to fill; Contact service for filter check.
Slow water flow	Low input water pressure; Clogged filters/membrane.	Check input water pressure; Contact service for filter replacement.
Unusual taste/odor in water	Expired filters/membrane; Contaminated tank.	Replace filters/membrane; Clean storage tank.
Water leakage	Loose connections; Damaged components.	Check all pipe connections; Contact service immediately.

8. SPECIFICATIONS

Feature	Detail
Brand	KENT
Model Name	AN_51246
Special Feature	500-1999ppm, RO
Installation Type	Wall-Mounted
Power Source	Corded Electric

Feature	Detail
Item Weight	7.35 kg (7350 Grams)
Maximum Flow Rate	15 Liters Per Hour
Storage Capacity	8 Liters
Colour	White
Product Dimensions (LxWxH)	50.5 x 38 x 27 Centimeters
Manufacturer	KENT RO
Country of Origin	India

9. WARRANTY AND SUPPORT

Your KENT Super Plus RO Water Purifier comes with a comprehensive warranty and support package:

- **Warranty:** 1 year warranty from the date of purchase.
- **Extended Service:** 3 years extended service free (Terms and Conditions apply).




For any service requests, technical assistance, or to inquire about terms and conditions for extended service, please contact KENT customer support. Ensure you have your product model number (AN_51246) and purchase details ready when contacting support.




For more information, you may visit the official [KENT Store on Amazon](#).



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Related Documents - AN_51246

	<p>KENT Supreme Mineral RO Water Purifier: Instructions Handbook</p> <p>Comprehensive instructions handbook for the KENT Supreme Mineral RO Water Purifier, detailing its technology, features, installation, operation, maintenance, and technical specifications.</p>
	<p>KENT Sapphire RO Water Purifier: User Manual, Features, and Specifications</p> <p>Comprehensive guide to the KENT Sapphire RO+UF+UV+Alkaline+TDS Control+UV LED in Tank water purifier. Learn about its advanced purification technology, salient features, installation, maintenance, safety instructions, and detailed technical specifications.</p>
	<p>KENT Grand Mineral RO Water Purifier Instructions Handbook</p> <p>Comprehensive instructions handbook for the KENT Grand Mineral RO Water Purifier, detailing its technology, features, installation, operation, maintenance, and technical specifications. Includes information on RO, UF, UV in-tank purification, and TDS control.</p>

	<p><u>KENT Wonder Mineral RO Water Purifier: Installation, Operation, and Specifications</u></p> <p>A comprehensive guide for the KENT Wonder Mineral RO™ Water Purifier, detailing its technology, features, installation steps, operation, maintenance, and technical specifications.</p>
	<p><u>KENT ACE LITE Mineral RO™ Water Purifier: Installation, Operation & Maintenance Handbook</u></p> <p>Comprehensive instruction manual for the KENT ACE LITE Mineral RO™ water purifier, covering installation, operation, maintenance, technical specifications, and safety guidelines.</p>
	<p><u>KENT Grand Plus-B Mineral RO Water Purifier: Advanced Purification for Healthy Living</u></p> <p>Explore the KENT Grand Plus-B Mineral RO™ Water Purifier, designed for 100% pure drinking water with essential minerals. Learn about its advanced RO+UV+UF+TDS control technology, Zero Water Wastage feature, automatic operation, installation guide, maintenance tips, and detailed technical specifications.</p>