

KENT PEARL RO

KENT Pearl RO Water Purifier User Manual

Model: PEARL RO

Brand: KENT

1. PRODUCT OVERVIEW

The KENT Pearl RO Water Purifier is an advanced water purification system designed to provide 100% pure and safe drinking water. It incorporates multiple purification processes including RO, UV, UF, and TDS Control, ensuring the removal of dissolved impurities, bacteria, and viruses while retaining essential natural minerals.



Figure 1: KENT Pearl RO Water Purifier

This purifier features a unique Zero Water Wastage Technology, a detachable storage tank for easy cleaning, and computer-controlled operations for enhanced user convenience and safety.

2. KEY FEATURES

- **Multiple Purification Process:** Combines Reverse Osmosis (RO), Ultraviolet (UV), Ultrafiltration (UF), and TDS Control to remove dissolved impurities, arsenic, rust, pesticides, fluorides, bacteria, and viruses.
- **Zero Water Wastage Technology:** Re-circulates rejected water to the overhead tank, ensuring no water is wasted during the purification process.
- **TDS Control System:** Allows adjustment of the purified water's TDS level, retaining essential natural minerals for healthier drinking water.
- **Detachable Storage Tank:** Features an 8-liter transparent, removable storage tank for easy cleaning and maintenance.
- **In-Tank UV Disinfection:** Equipped with UV LED light in the storage tank to keep purified water pure for longer durations.

- **Computer Controlled Operation:** Includes Filter Change Alarm and UV Fail Alarm for timely maintenance alerts.
- **High Purification Capacity:** Capable of purifying up to 20 liters of water per hour.
- **Durable Construction:** Built with an ABS food-grade plastic body for enhanced durability and hygiene.
- **Versatile Water Source Compatibility:** Equally suitable for water from all sources, including bore-wells, overhead storage tanks, water tankers, and municipal taps.

Features of KENT Pearl



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KENT Pearl purifier removes dissolved impurities through multiple purification process of RO+UV +UF+TDS Control to provide 100% pure water



Zero Water Wastage

KENT Pearl ensures Zero Water Wastage by re-circulating water to the overhead tank by using its own pump



Detachable Tank

KENT Pearl has a detachable tank to store purified water that can be easily cleaned anytime



Retains Essential Minerals

KENT Pearl retains essential natural minerals in purified water using a TDS Controller



In-Tank UV Disinfection

KENT Pearl comes with UV LED protection in the storage tank to keep purified water pure for longer periods



Figure 2: Detailed Features of KENT Pearl

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Figure 3: Multi-Stage Purification Process

3. SETUP AND INSTALLATION

The KENT Pearl RO Water Purifier is designed for wall-mounted installation. It features push-fit components for leak-proof performance, simplifying the connection process.

3.1 Pre-Installation Checks

- Ensure the installation site has adequate space and a stable wall surface for mounting.
- Verify the availability of a water inlet connection and a drainage point.
- Confirm a standard electrical outlet (230V AC, 50 Hz) is within reach.

3.2 Installation Process

It is highly recommended to have the purifier installed by a certified KENT service technician to ensure proper setup and validate the warranty. The technician will:

1. Mount the purifier securely on the wall.
2. Connect the water inlet and drain lines using the push-fit connectors.
3. Connect the power supply.
4. Perform initial flushing of the system to remove any manufacturing residues.
5. Adjust the TDS controller to the desired level based on your water source and preference.

Zero Water Wastage Process

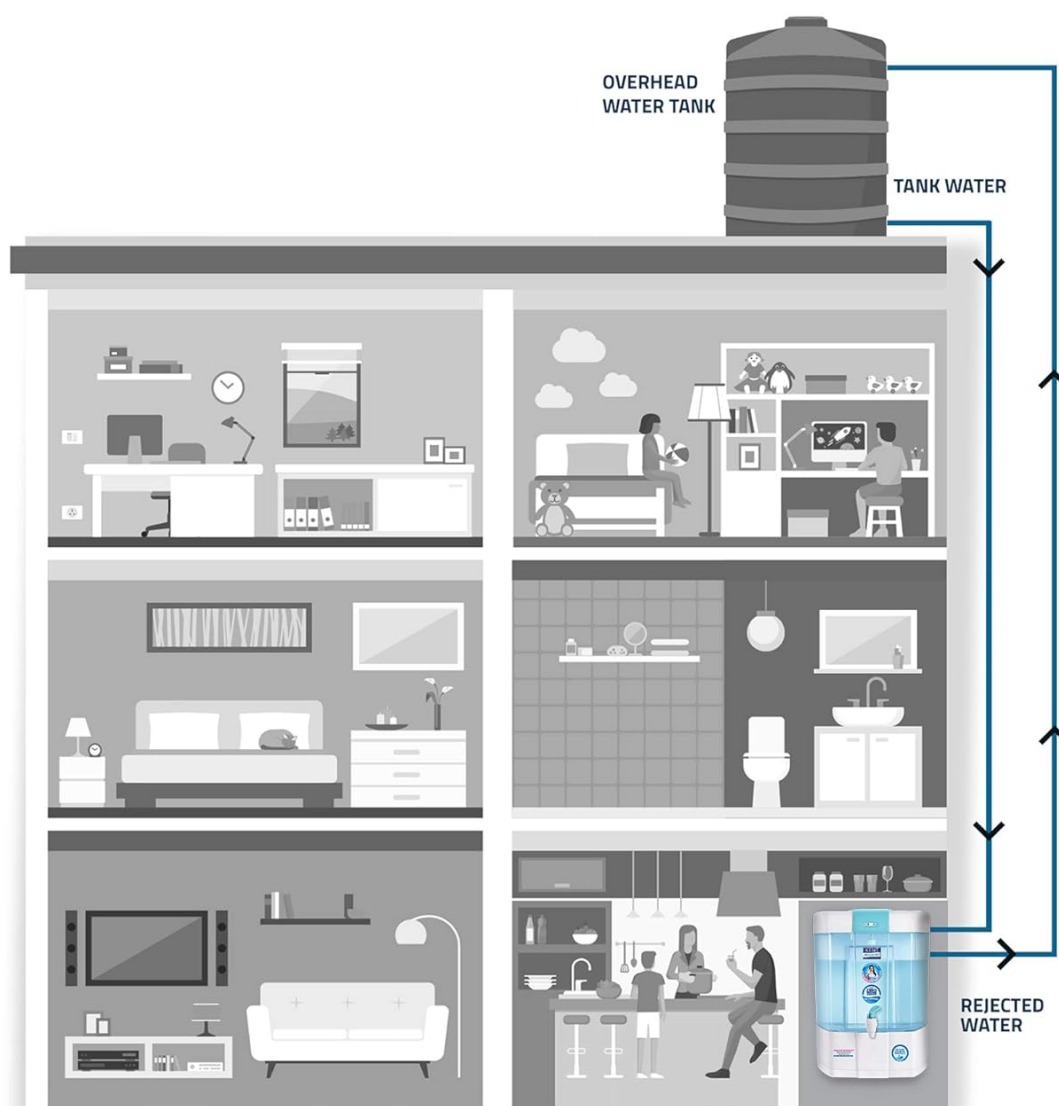


Figure 4: Zero Water Wastage Process Diagram

The Zero Water Wastage Technology ensures that the rejected water from the RO process is recirculated back to your overhead tank, preventing any water loss. This process is managed by an internal booster pump.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on the purifier, ensure it is properly connected to the electrical outlet and turn on the main power switch.
- The purifier will automatically begin the purification process when the water level in the storage tank is low.
- It will automatically stop once the tank is full or if there is no inlet water supply.
- To power off, simply turn off the main power switch.

4.2 Dispensing Purified Water

- Place a clean container under the faucet located at the front of the purifier.
- Turn the faucet handle to dispense purified water.
- Close the faucet once the desired amount of water is collected.

4.3 Understanding Indicators

The purifier is equipped with LED indicators to show its operational status:

- **Power Indicator:** Illuminates when the purifier is powered on.
- **Purification Indicator:** Illuminates when the purification process is active.
- **Tank Full Indicator:** Illuminates when the purified water storage tank is full.

5. MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your KENT Pearl RO Water Purifier. The computer-controlled operation assists with timely alerts.

5.1 Filter Change Alarm

- The purifier is equipped with a Filter Change Alarm that indicates when the filters need replacement.
- Upon activation of this alarm, contact a certified KENT service technician for filter replacement. Do not attempt to replace filters yourself unless specifically trained.

5.2 UV Fail Alarm

- A UV Fail Alarm will alert you if the UV lamp is malfunctioning or has reached its end of life.
- The UV lamp is critical for disinfecting water; if this alarm activates, contact service immediately. Do not consume water from the purifier until the UV lamp is replaced or repaired.

5.3 Cleaning the Detachable Tank

- The transparent, detachable storage tank can be easily removed for manual cleaning.
- Before cleaning, ensure the purifier is powered off and the water supply is disconnected.
- Carefully remove the tank and clean it with a mild soap solution and soft brush. Rinse thoroughly with clean water before reattaching.
- Regular cleaning of the tank helps maintain hygiene and water quality.

5.4 General Cleaning

- Wipe the exterior of the purifier with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the area around the purifier clean and free from dust and debris.

6. TROUBLESHOOTING

If you encounter any issues with your KENT Pearl RO Water Purifier, refer to the common problems and solutions below. For complex issues, always contact authorized service personnel.

Problem	Possible Cause	Solution
No water dispensing / Slow flow	No inlet water supply, clogged filters, low water pressure, power off.	Check water supply. Check power connection. If filters are clogged, contact service for replacement.
Unusual taste or odor in purified water	Contaminated storage tank, exhausted filters, new filter installation (initial taste).	Clean the storage tank. If taste persists, contact service for filter inspection/replacement. Flush new filters as per installation guide.
Water leakage	Loose connections, damaged components.	Turn off water supply and power. Check all push-fit connections. If leakage persists or components are damaged, contact service immediately.
Filter Change Alarm / UV Fail Alarm active	Filters or UV lamp need replacement.	Contact a certified KENT service technician for replacement.

For any issues not listed above or if the solutions do not resolve the problem, please contact KENT customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	KENT
Model Name	PEARL RO (RO+UV+UF+TDS)
Special Features	Detachable Tank, Built-In TDS Meter, Zero Water Wastage
Installation Type	Wall-mounted (Countertop possible with stand, but primarily designed for wall)
Power Source	Corded Electric
Supported Water TDS Level Max	500 PPM
Item Weight	12 kg 200 g
Item Dimensions (LxWxH)	38 x 33 x 46.5 Centimeters
Storage Capacity	8 Liters

Feature	Detail
Purification Rate	20 Liters/hour
Body Material	ABS Food Grade Plastic
Country of Origin	India

Best Domestic Water Purifiers Awards



Figure 5: Product Dimensions

8. WARRANTY AND SUPPORT

Your KENT Pearl RO Water Purifier comes with comprehensive warranty and support to ensure peace of mind.

8.1 Warranty Information

The product includes a **1-year warranty** on manufacturing defects, along with an additional **3 years of extended service (AMC) free of charge**. Terms and conditions apply. Please refer to the warranty card provided with your product for full details.

Your browser does not support the video tag.

Video 1: Overview of KENT Pearl RO Water Purifier features and benefits, including purification process, zero water wastage, and warranty details.

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Video 2: Detailed explanation of KENT Pearl's purification technology and its benefits for water quality.







8.2 Customer Support

For installation requests, service appointments, or any technical assistance, please contact KENT customer support through the details provided in your product documentation or visit the official KENT website.

You can also visit the [KENT Store on Amazon](#) for more information.

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Related Documents - PEARL RO

	<p>KENT Pearl Star RO Water Purifier: Installation, Operation, and Maintenance Handbook</p> <p>Comprehensive guide for the KENT Pearl Star RO Water Purifier, covering installation, operation, maintenance, technical specifications, and troubleshooting. Learn about KENT's advanced water purification technology including RO, UV, UF, Alkaline, Copper, and TDS Control.</p>
	<p>KENT MAXX UV+UF Water Purifier: Installation, Operation & Maintenance Handbook</p> <p>Comprehensive instruction manual for the KENT MAXX UV+UF water purifier, covering installation, operation, maintenance, safety, and technical specifications. Learn how to set up, use, and care for your water purifier.</p>
	<p>KENT Elite 2+ Water Purifier Manual: Installation, Operation, Maintenance</p> <p>Official instruction handbook for the KENT Elite 2+ RO water purifier. Learn about installation, operation, maintenance, key features, and technical specifications for optimal water purification.</p>
	<p>KENT GRAND+ Mineral RO Water Purifier: Installation, Operation, and Maintenance Handbook</p> <p>This handbook provides comprehensive instructions for the KENT GRAND+ Mineral RO™ Water Purifier. It details the advanced RO+UV+UF+TDS control purification technology, installation procedures, daily operation, and essential maintenance to ensure safe and healthy drinking water.</p>
	<p>KENT Ultra Storage UV+UF Water Purifier: Installation, Operation, and Maintenance Manual</p> <p>Comprehensive guide for the KENT Ultra Storage UV+UF water purifier, covering installation, operation, maintenance, and technical specifications. Learn about UV and UF purification processes, safety instructions, and troubleshooting.</p>
	<p>KENT Elegant Lite RO+UF+TDS Control Water Purifier: Instructions Handbook</p> <p>Comprehensive instructions handbook for the KENT Elegant Lite water purifier, detailing its technology, features, installation, operation, maintenance, and technical specifications. Learn how to set up and use your purifier for pure and healthy drinking water.</p>

