

QuantumFlow Smart Water Purifier - Model QF-2025

User Manual

Version 1.2 - July 2025

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1. Introduction

- a. Thank you for choosing the QuantumFlow Smart Water Purifier. The QF-2025 represents the pinnacle of water purification technology, combining advanced filtration with intelligent monitoring to provide you and your family with the purest water. This manual will guide you through the installation, operation, and maintenance of your new device.

2. Safety Instructions

- a. Always ensure the purifier is connected to a grounded power outlet.
- b. Do not expose the purifier to direct sunlight or extreme temperatures.
- c. Keep out of reach of children.
- d. For indoor use only.
- e. Turn off the power supply before performing any maintenance.

3. Package Contents

- a. QuantumFlow QF-2025 Main Unit
- b. Installation Kit (Inlet Pipe, Outlet Pipe, Ball Valve, Screws)
- c. User Manual
- d. Warranty Card
- e. Quick Start Guide

4. Installation Guide

- a. Site Selection:
 - i. Choose a flat, stable surface near a water source (tap connection) and a power outlet. Ensure adequate space around the unit for ventilation and maintenance.
- b. Plumbing Connection:
 - i. a. Turn off the main water supply.
 - ii. b. Attach the provided ball valve to your cold water supply line.

- iii. c. Connect the inlet pipe from the purifier to the ball valve.
- iv. d. Connect the outlet pipe to your drain. Ensure the drain connection is secure and allows for continuous flow.
- c. Power Connection:
 - i. Plug the power adapter into the purifier's power port, then into a grounded electrical outlet.
- d. Initial Flush:
 - i. After installation, open the ball valve. Allow the purifier to fill and dispense water for 15-20 minutes. This flushes out any carbon dust and prepares the filters. Discard the first few liters of water.

5. 5. Operating Your QuantumFlow

- a. Power On/Off:
 - i. Press the power button on the front panel to turn the unit on or off. The LED display will illuminate.
- b. Water Dispensing:
 - i. Place a container under the spigot and press the dispense button. The purifier will automatically stop once the container is full or the button is released.
- c. Filter Status Indicator:
 - i. The LED display shows real-time filter life. A green light indicates good status, yellow indicates nearing end-of-life, and red indicates replacement is required.

6. Smart Features & App Integration

- a. Download the "QuantumFlow Connect" app from the App Store or Google Play.
- b. Pairing:
 - i. Ensure your phone's Bluetooth is on.
 - ii. Open the app and follow the on-screen instructions to pair with your QF-2025.
 - iii. You may need to press and hold the Wi-Fi button on the purifier for 5 seconds until the indicator blinks.
- c. App Functions:
 - i. Real-time water quality monitoring (TDS levels, pH).
 - ii. Remote dispensing control.
 - iii. Filter life tracking and ordering.
 - iv. Usage history and daily consumption reports.
 - v. Self-cleaning mode activation.
 - vi. Receiving alerts for leaks or maintenance.

7. Maintenance & Care

- a. Filter Replacement:
 - i. Replace filters every 6-12 months, or when indicated by the app/LED display. Refer to section 7.2 for specific filter order.
 - ii. Sediment Filter: QF-SF01
 - iii. Pre-Carbon Filter: QF-PC01
 - iv. RO Membrane: QF-RO01
 - v. UV-C Lamp: QF-UV01
- b. Self-Cleaning Mode:

- i. Activate this feature via the mobile app or by pressing and holding the self-clean button on the unit for 3 seconds. This flushes the internal system, extending filter life. Recommended monthly.
- c. External Cleaning:
 - i. Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners.

8. Troubleshooting

- a. (See separate Troubleshooting Guide for detailed solutions)
- b. Common Issues: No water dispensing, slow flow, strange taste, app connectivity issues.

9. Warranty Information

- a. Your QuantumFlow QF-2025 comes with a 2-year limited warranty from the date of purchase. This covers manufacturing defects. It does not cover damage from improper installation, misuse, or normal wear and tear of filters.
- b. To register your product, visit www.quantumflow.com/register.

10. Specifications

- a. Filtration Stages: RO+UV+UF+Alkaline Enhancer
- b. Purification Capacity: 15 Liters/Hour
- c. Storage Tank Capacity: 7 Liters
- d. Input Water Pressure: 0.3-3.0 kg/cm²
- e. Power Consumption: 60W
- f. Dimensions: 400mm x 250mm x 500mm (HxWxD)
- g. Net Weight: 9.5 kg
- h. Operating Temperature: 5°C - 45°C