### Vortopt F9

# VORTOPT F9 Countertop Water Filter Instruction Manual

Model: F9 Ultra Filtration System

## Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your VORTOPT F9 Countertop Water Filter. Please read this manual thoroughly before using the product to ensure proper function and longevity.
The VORTOPT F9 system utilizes advanced Ultrafiltration technology to provide clean and healthy drinking water by reducing various contaminants while retaining beneficial minerals.

## Safety Information

- Ensure all connections are secure to prevent leaks.
- Do not expose the unit to freezing temperatures.
- Use only genuine VORTOPT replacement filters.
- This system is designed for use with municipal tap water. Do not use with microbiologically unsafe or unknown quality water without adequate disinfection before or after the system.
- The system will not reduce the TDS (Total Dissolved Solids) value. If lower TDS levels are desired, consider a Reverse Osmosis (RO) system.

## Package Contents

Verify that all components are present before installation:

- VORTOPT F9 Countertop Water Filtration System (1 unit)
- UF Filter (Pre-installed or separate)
- Activated Carbon Filter (Pre-installed or separate)
- Faucet Adapter(s)

- User Manual (this document)

## Product Overview

The VORTOPT F9 system features a dual-stage filtration process:

1. **Ultra Filtration (UF) Membrane:** This first stage uses a 0.01µm semi-permeable membrane to physically block suspended particles, larger organic molecules, colloids, protozoa, and some viruses. It ensures harmful elements are removed while preserving natural minerals.
2. **Activated Carbon Filter:** The second stage specializes in chemical adsorption, effectively removing chlorine (up to 99.99%), volatile organic compounds (VOCs), disinfection byproducts, lead, and other heavy metal contaminants that cause bad tastes and odors.




*Image: Filtration stages and removed contaminants. The diagram shows water passing through a UF membrane and a compressed activated carbon rod, highlighting the removal capabilities for various impurities like rust, sediment, chlorine, lead, PFAS, and odors.*

The system is constructed with food-grade 304 stainless steel, ensuring durability, corrosion resistance, and a leak-proof

design.




*Image: Benefits of the 304 Stainless Steel construction. This image details the material's properties, including its food-grade quality, resistance to corrosion and bacteria, durability, and strong sealing.*

## Setup and Installation

The VORTOPT F9 Countertop Water Filter is designed for easy direct connection to your municipal water supply. Follow these steps for installation:

1. **Identify Faucet Type:** Determine if your faucet has external threads (M24), internal threads (M22), or requires a universal joint adapter.
2. **Select Appropriate Adapter:** Choose the correct adapter from the included accessories that matches your faucet's threading.
3. **Attach Adapter:** Securely screw the chosen adapter onto your faucet. For universal joints, ensure a tight fit.
4. **Connect Water Filter:** Attach the water filter system's inlet hose to the installed faucet adapter.

5. **Position Unit:** Place the countertop unit in a stable position next to your sink.
6. **Flush System:** Before first use, slowly turn on the cold water faucet and allow water to run through the filter system for 5-10 minutes to flush out any carbon fines and air.




*Image: Faucet compatibility guide. This image illustrates various faucet types that are compatible with the system using different adapters, and also highlights types that are not compatible.*




*Image: Multiple adapters for perfect fit. This image displays the different faucet adapters included with the system, detailing their sizes and types for various faucet connections.*

## Operating Instructions

Once installed and flushed, operating your VORTOPT F9 system is straightforward:

- To dispense filtered water, simply turn on your cold water faucet. The system will automatically filter the water as it passes through.
- The system operates without electricity, relying on water pressure for filtration.
- Enjoy clean, refreshing water instantly.




*Image: VORTOPT F9 system in use. This image shows the compact countertop water filter connected to a kitchen faucet, providing filtered water.*

## Maintenance

Regular maintenance ensures optimal performance and water quality.

### Filter Replacement

The VORTOPT F9 system includes two filters with different lifespans:

- **Activated Carbon Filter (ACF):** Replace every 6-12 months.
- **Ultra Filtration (UF) Filter:** Replace every 18-24 months.

Filter lifespan can vary based on water quality and usage. Replace filters promptly to maintain filtration effectiveness.




*Image: Filter lifespan information. This image visually represents the recommended replacement intervals for both the Activated Carbon Filter and the Ultra Filtration Filter.*

### Cleaning

Wipe the exterior of the unit with a soft, damp cloth as needed. Do not use abrasive cleaners or solvents.

## Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Reduced Water Flow | Clogged filters | Replace the filters. Ensure proper flushing after replacement. |
| Leaking from connections | Loose connections or damaged O-rings | Check all connections and tighten. Inspect O-rings for damage and replace if necessary. |

| Problem | Possible Cause | Solution |
|---|---|---|
| Bad taste or odor in water | Expired Activated Carbon Filter | Replace the Activated Carbon Filter. |
| Water still cloudy or contains particles | Expired Ultra Filtration Filter or initial flushing incomplete | Ensure initial flushing was completed. Replace the Ultra Filtration Filter if issue persists. |

## Specifications

- **Model:** F9
- **Product Dimensions:** 25.4L x 7W x 35H centimetres
- **Material:** Stainless Steel
- **Capacity:** 16,000 gallons
- **Installation Type:** Countertop
- **Purification Method:** Activated Carbon, Ultra Filtration
- **Power Source:** Manual Winding (No electricity required)
- **Maximum Flow Rate:** 0.53 gpm
- **Filter Precision:** 0.01µm (Ultra Filtration)
- **Included Components:** Faucet Adapter, Countertop Water Filtration System

## Water Purification Filter Element

| Filter |  STAINLESS STEEL NET FILTER |  PP |  CTO |  UF |  RO |
|---|---|---|---|---|---|
| Vortopt Mchine | Q60/Q50/Q700/Q800 | T1/T2/T5/T6 | T1/T2/T5/T6/F7 | U1/F9 | DR2/DR3/DR4/DR5/UR02 |
| Filter Precision | 40μm | 10μm | 5μm | 0.01μm | 0.0001μm |
| Filter function | Protecting appliances | Primary filtration | Domestic water | Make water drinkable | Make water drinkable |
| Filter life | Washable without replacement | 3 month | 6 month | 12-18 month | 12-24 month |
| Large particles | ✓ | ✓ | ✓ | ✓ | ✓ |
| Sediment | ✓ | ✓ | ✓ | ✓ | ✓ |
| Rust | ✓ | ✓ | ✓ | ✓ | ✓ |
| Colloidal | – | ✓ | ✓ | ✓ | ✓ |
| Insect eggs | – | ✓ | ✓ | ✓ | ✓ |
| Chlorine | – | – | ✓ | ✓ | ✓ |
| Removes E. coli | – | – | ✓ | ✓ | ✓ |
| Improve water taste | – | – | ✓ | ✓ | ✓ |
| Direct drinking | – | – | – | ✓ | ✓ |
| Chlorine | – | – | – | ✓ | ✓ |
| Heavy metals | – | – | – | – | ✓ |
| Bacterial | – | – | – | – | ✓ |

*Image: Water Purification Filter Element Comparison. This table provides a detailed comparison of various filter types, including UF, outlining their precision, function, lifespan, and effectiveness against different impurities.*

## Warranty Information

The VORTOPT F9 Countertop Water Filter comes with a**1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage resulting from improper installation, misuse, neglect, freezing, or use of non-genuine replacement parts.

## Support and Contact Information

For technical support, replacement parts, or warranty inquiries, please contact Vortopt customer service:

- **Manufacturer:** Vortopt
- **Company Name:** Guangzhou Angtu Technology Co., Ltd

- **Address:** Room 218, Block B, Jiadu Wisdom Building No.2 Xin Cen Si Road, Xintang Street, Tianhe District, Guangzhou City, Guangdong Province, China
- **Contact Details:** +86 18926252113

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