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> Vortopt DR2 1000 GPD Tankless Reverse Osmosis Water Filtration System User Manual

Vortopt DR2

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INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Vortopt DR2 1000 GPD Tankless Reverse Osmosis Water Filtration System. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your system. This system is designed to provide clean, filtered water directly from your tap, reducing Total Dissolved Solids (TDS) and other impurities.



Image: The Vortopt DR2 1000 GPD Tankless Reverse Osmosis Water Filtration System, showcasing its compact design and smart faucet.

SETUP AND INSTALLATION

The Vortopt DR2 system features a tankless, compact design for easy under-sink installation, typically completed within 30 minutes. Ensure you have all components and necessary tools before beginning.

Included Components:

- Vortopt DR2 Main Unit
- Smart Faucet with TDS Meter
- RO Filter (Reverse Osmosis)
- PAC Composite Filter (2-in-1)
- Water Inlet Adapter
- Drain Saddle
- Tubing and Connectors
- Power Adapter
- User Manual (this document)

Pre-Installation Checklist:

- Verify sufficient space under your sink for the main unit (dimensions: 39L x 39W x 15H cm).
- Ensure access to a cold water supply line and a drain pipe.
- Confirm availability of a standard electrical outlet.
- Gather basic tools: drill, wrench, screwdriver, utility knife.

Installation Steps:

1. **Turn off Water Supply:** Locate and turn off the cold water supply valve under your sink.
2. **Install Faucet:** Drill a hole (if necessary) in your countertop or sink for the smart faucet. Secure the faucet according to the provided instructions.
3. **Connect Water Inlet:** Disconnect the cold water line from your existing faucet. Install the water inlet adapter and connect the system's inlet tubing.
4. **Install Drain Saddle:** Attach the drain saddle to the drain pipe under your sink. Drill a small hole through the drain pipe at the saddle location and connect the drain tubing.
5. **Install Filters:** Insert the PAC and RO filters into their respective slots in the main unit. Ensure they are securely locked in place.
6. **Connect Tubing:** Connect all tubing (inlet, drain, faucet) to the main unit as indicated by the labels or diagrams.
7. **Position Main Unit:** Place the main unit in a stable, upright position under the sink. Its compact design saves approximately 70% of under-sink space compared to traditional systems.
8. **Connect Power:** Plug the power adapter into the main unit and then into a grounded electrical outlet.
9. **Restore Water Supply:** Slowly turn on the cold water supply valve. Check for any leaks.

4-STAGE

FILTRATION WITH 2 FILTERS

PP Membrane

0.0001um

Purification

Activated Carbon Fiber

99.9%

Contaminants Removal

High-density PP Membrane

TDS

Reduces TDS

Reverse Osmosis Membrane



Rust



Sediment



Chlorine



Lead



TDS



Bacteria



Odor

Image: The Vortopt DR2 system installed under a sink, demonstrating its compact footprint.

Less Space, More Convenience

Tankless, Compact Design

Saves **70%** Under Sink Space

Prevents Secondary Pollution

Image: Illustration highlighting the space-saving, tankless design of the Vortopt DR2 system under a kitchen sink.

OPERATING INSTRUCTIONS

Initial Flush:

After installation, it is crucial to flush the system to remove air and carbon fines from the new filters. Turn on the smart faucet and let the water run for at least 10-15 minutes, or until the water runs clear and the TDS reading stabilizes. The system has an automatic flushing feature to maintain membrane performance.

Using the Smart Faucet:

The smart faucet provides real-time information about your water quality and filter status.

- **Real-time TDS Display:** The digital display on the faucet shows the Total Dissolved Solids (TDS) level of the filtered water, allowing you to monitor water quality.
- **Smart Filter Life Indicator:** The faucet also indicates the remaining lifespan of both the PAC and RO filters, prompting you when it's time for replacement.
- **Fast Flow Rate:** The system delivers a high flow rate of up to 2.65 liters per minute, filling a 200ml cup in approximately 5 seconds.

2s Filter Replacement

6-12 Months

24-36 Months

PAC Filter

RO Filter

Image: Close-up of the Vortopt smart faucet, showing the digital display for real-time TDS and filter life.

COMPACT & TANKLESS DESIGN



Image: Demonstration of the Vortopt DR2's high flow rate, filling a glass quickly.

MAINTENANCE

Regular maintenance, primarily filter replacement, is essential for optimal performance and water quality.

Filter Replacement:

The Vortopt DR2 system uses two filters: a PAC Composite Filter and an RO Filter. The smart faucet will indicate when a filter needs replacement.

- **PAC Composite Filter:** Typically lasts 6-12 months, depending on water quality and usage.
- **RO Filter:** Typically lasts 24-36 months, depending on water quality and usage.

To replace a filter:

1. Turn off the water supply to the system.

2. Twist the old filter counter-clockwise to unlock and remove it.
3. Insert the new filter into the housing and twist clockwise to lock it in place.
4. Turn on the water supply and flush the system as described in the "Initial Flush" section.
5. Reset the filter life indicator on the smart faucet (refer to faucet instructions for specific steps).

Replacement Filter Models:

- For RO Filter: Search for model B0C5JDR5H5.
- For PAC Composite Filter: Search for model B0C5JBCCF8.

3:1 PURE TO DRAIN SAVE 12X WATER

Say Goodbye to High Water Bills

Other RO Systems

Vortopt DR2

Image: Visual guide demonstrating the quick and easy filter replacement process for the Vortopt DR2 system.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
High TDS reading initially	New filters need flushing.	Run water for 10-15 minutes during initial setup or after filter replacement until TDS stabilizes.
Slow water flow	Clogged filters, low incoming water pressure, air in the system.	Check filter life indicator and replace filters if necessary. Ensure water supply valve is fully open. Check for kinks in tubing.
Water leakage	Loose connections, improperly installed O-rings, damaged tubing.	Turn off water supply immediately. Check all connections and tighten if loose. Inspect O-rings and tubing for damage. Re-seat filters.
Unusual taste or odor	Expired PAC filter, system not flushed properly.	Replace PAC filter. Flush the system thoroughly.
Smart faucet display not working	No power, loose connection to faucet.	Ensure the system is powered on and the faucet cable is securely connected to the main unit.

SPECIFICATIONS

Feature	Detail
Brand	Vortopt
Model Name/Number	DR2-1000GPD
Purification Method	Reverse Osmosis
Capacity	1000 Gallons Per Day (GPD) / 3785 Liters Per Day
Max Flow Rate	2.65 Liters per minute
Pure to Drain Ratio	3:1 (Pure water to wastewater)
Filtration Accuracy	0.0001 µm
Impurity Removal	99.99% (TDS, Rust, Sediment, Chlorine, Lead, Bacteria, Odor)
Filters	1x RO Filter, 1x PAC Composite Filter (2-in-1)
Max Supported TDS Hardness	1500 PPM
Installation Type	Under-sink
Product Dimensions (L x W x H)	39 cm x 39 cm x 15 cm
Item Weight	9.3 Kilograms
Material	Acrylonitrile Butadiene Styrene
Power Source	Corded Electric

Feature	Detail
Special Features	TDS Reduction, Smart Faucet with Real-time TDS Display, Filter Life Indicator, Automatic Flushing, Tankless Design



Image: Diagram illustrating the multi-stage filtration process of the Vortopt DR2 system, including the RO membrane.

SMART FAUCET FOR CONVENIENCE



Image: Comparison showing the Vortopt DR2's efficient 3:1 pure to drain ratio versus traditional RO systems.

WARRANTY INFORMATION

For detailed warranty information regarding your Vortopt DR2 Reverse Osmosis Water Filtration System, please refer to the warranty card included with your product packaging or visit the official Vortopt website. Warranty terms and conditions may vary by region and purchase date.

CUSTOMER SUPPORT

Should you require technical assistance, have questions about installation, operation, or maintenance, or need to order replacement parts, please contact Vortopt customer service. Contact details can typically be found on the Vortopt official website or on your product packaging.

You can also visit the [Vortopt Store on Amazon](#) for more product information and support resources.

