

Waterdrop WD-X8-WAN

Waterdrop X8-WAN Alkaline Mineral Tankless Reverse Osmosis System User Manual

Model: WD-X8-WAN | Brand: Waterdrop

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Waterdrop X8-WAN Alkaline Mineral Tankless Reverse Osmosis System. This system is designed to provide purified water by reducing various contaminants and enriching it with essential alkaline minerals.

The Waterdrop X8-WAN system features a 0.0001 µm RO membrane for 10-stage filtration, an 800 GPD rapid flow rate, and a tankless design for space-saving and easy installation. It is NSF/ANSI 42, 58, and 372 certified, ensuring high standards of water quality and safety.

IMPORTANT SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating the system. Failure to follow these instructions may result in property damage, injury, or system malfunction.

- Ensure the system is installed by a qualified professional if you are unsure about any steps.
- Do not operate the system with damaged components.
- Ensure proper electrical grounding for the power source.
- Keep the system away from direct sunlight and heat sources.
- Do not use water above 100°F (38°C) or below 41°F (5°C).
- Maximum supported water TDS level is 500 PPM.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Waterdrop X8-WAN RO System Unit
- Replacement Filters (Pre-installed or separate)
- Smart Faucet
- User Manual
- Installation Accessories (tubing, adapters, etc.)

SETUP AND INSTALLATION

The Waterdrop X8-WAN system is designed for under-sink installation. Please ensure you have the necessary tools and space before starting.

Pre-installation Requirements

- **Power Outlet:** A nearby grounded electrical outlet is required.
- **Drilling:** The smart faucet requires drilling a 1-inch hole in the countertop.
- **Space:** Ensure sufficient space under the sink for the unit (18.2"L x 6.25"W x 16.72"H).
- **Water Source:** Connect to municipal water. If using well water, a pre-filter is recommended (purchased separately).



Figure 1: What You Need to Install

Installation Steps

For a comprehensive visual guide, please refer to the official installation video below.

Your browser does not support the video tag.

Video 1: How to Install Waterdrop X8-WAN Reverse Osmosis System. This video provides a step-by-step guide on how to install the Waterdrop X8-WAN Reverse Osmosis System.

1. **Prepare the Installation Area:** Clear the under-sink cabinet. Turn off the cold water supply.
2. **Install the Faucet:** Drill a 1-inch hole in the desired countertop location. Mount the smart faucet according to the instructions provided.
3. **Connect Water Supply:** Install the feed water adapter to your cold water line.

4. **Install Drain Saddle:** Attach the drain saddle to the drain pipe to connect the drain line from the RO system.
5. **Position the System:** Place the main RO unit under the sink. Ensure the front panel faces you for easy filter replacement and indicator checking. The system must be installed horizontally, not tilted, placed on its side, or inverted.
6. **Connect Tubing:** Connect the inlet, pure water, and drain tubes to the corresponding ports on the RO unit and the faucet/drain saddle. Ensure all connections are secure.
7. **Connect Power:** Plug the power adapter into the RO unit and then into a grounded electrical outlet.
8. **Initial Flush:** Turn on the cold water supply. Open the purified water faucet and allow the system to flush for at least 30 minutes to remove air and carbon fines.



Figure 2: Tankless design saves space under the sink.

OPERATING INSTRUCTIONS

Your Waterdrop X8-WAN system is designed for simple and efficient operation.

Smart Faucet Features

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

- **TDS Display:** Shows the Total Dissolved Solids (TDS) level of the purified water.
- **Filter Life Indicators:** Displays the remaining lifespan of each filter (F1, F2, F3).



Figure 3: Smart Digital Faucet Display

Dispensing Water

Simply open the smart faucet to dispense purified water. The 800 GPD flow rate ensures quick filling of cups and containers.



Figure 4: Fast Water Dispensing

Connecting to Refrigerator/Ice Maker

The Waterdrop X8-WAN system can supply purified water directly to your refrigerator and ice maker. For optimal performance, using a WD-XT Pressure Tank is recommended (sold separately).

Advanced **10-stage** Filtration with Alkaline Mineralization

10-stage filtration

- | | |
|-------------------------------|-------------------------------|
| 1 Mesh filter cotton | 6 0.0001µm RO Filtration |
| 2 Origami cotton | 7 Non-woven fabrics |
| 3 Activated carbon filtration | 8 Activated carbon filtration |
| 4 Scale inhibitor | 9 Alkaline Mineralization |
| 5 PP cotton | 10 PP cotton |

0.0001µm RO Filtration
360° rotational water inflow

Alkaline mineral added
Health boost technology

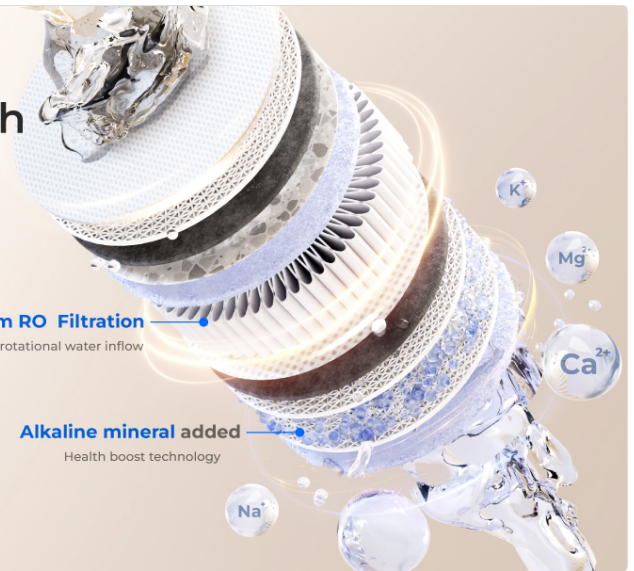


Figure 5: Refrigerator and Ice Maker Connection

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Video 2: Waterdrop X8 Alkaline Reverse Osmosis Water Filter. This video provides an overview of the Waterdrop X8 Alkaline Reverse Osmosis Water Filter system and its operation.

MAINTENANCE

Regular filter replacement is crucial for maintaining optimal performance and water quality.

Filter Replacement

The Waterdrop X8-WAN system features a tool-free, twist-and-pull filter replacement design.

Your Family Deserves the Finest

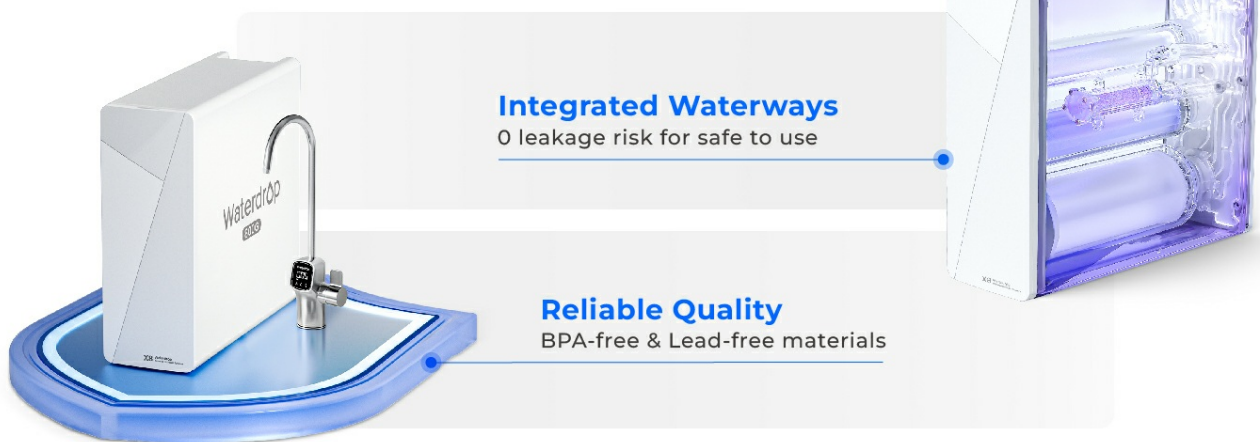


Figure 6: Easy Filter Replacement

For detailed instructions on replacing filters, please watch the video below:

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Video 3: How to Replace the Filter in Waterdrop X8-WAN Reverse Osmosis System. This video demonstrates the process of replacing filters in the Waterdrop X8-WAN Reverse Osmosis System.

Filter Lifespan

The smart faucet will indicate when filters need replacement. Typical filter lifespans are:

- **F1 Filter:** Approximately 12 months
- **F2 Filter:** Approximately 6 months
- **F3 Filter (RO Membrane):** Approximately 24 months

Note: Filter lifespan may vary based on local water quality and usage.

TROUBLESHOOTING

If you encounter any issues with your Waterdrop X8-WAN system, please review the following common problems and solutions:

- **Low Water Flow:** Check if filters are due for replacement. Ensure the water supply valve is fully open.
- **Unusual Taste/Odor:** Perform an initial flush if recently installed. Replace filters if they are expired.
- **Leaks:** Check all tubing connections for tightness. Ensure O-rings are properly seated during filter installation.
- **No Power:** Verify the power adapter is securely plugged into the unit and a working electrical outlet.

For persistent issues, please contact Waterdrop customer support.

SPECIFICATIONS

Feature	Detail
Brand	Waterdrop
Model Name	WD-X8-WAN
Product Dimensions	18.2"L x 6.25"W x 16.72"H
Material	BPA Free
Capacity	800 gallons per day (GPD)
Installation Type	Under Sink
Purification Method	Reverse Osmosis
Power Source	Corded Electric
Temperature Range	41°F - 100°F (5°C - 38°C)
Max Supported TDS Level	500 PPM
Certifications	NSF/ANSI 42, 58, 372 Certified
Filtration Stages	10-stage filtration with Alkaline Mineralization

Feature	Detail
Pure to Drain Ratio	2:1

WARRANTY INFORMATION

Waterdrop provides a limited warranty for this product. Please refer to the warranty card included in your package or visit the official Waterdrop website for detailed terms and conditions. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, replacement parts, or any questions regarding your Waterdrop X8-WAN system, please contact Waterdrop customer support through their official website or the contact information provided in your product packaging.

ASK A QUESTION ABOUT THIS MANUAL

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