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Waterdrop WD-G2-W

Waterdrop G2 Reverse Osmosis System User Manual

Model: WD-G2-W

1. Introduction

The Waterdrop G2 Reverse Osmosis System is an advanced 7-stage tankless water filtration system designed to provide clean, pure drinking water directly from your tap. With a high flow rate of 400 GPD (Gallons Per Day) and an efficient 1:1 pure to drain ratio, it significantly reduces various contaminants, including TDS, PFAS, PFOA, PFOS, and more, ensuring healthier water for your household.



Figure 1: Waterdrop G2 Reverse Osmosis System

2. Safety Information

Please read all safety instructions carefully before installation and operation to prevent injury or damage to the product.

- This system requires an electrical outlet for operation. Ensure the outlet is properly grounded and accessible.

- Do not expose the system to freezing temperatures.
- Only use the provided faucet. Do not connect the system directly to the main water supply pipe.
- The system is designed for indoor use only.
- Keep out of reach of children.
- For well water sources, it is not recommended to use directly due to complex composition that can damage the system. Consider pre-filtration for well water.



Figure 2: Optional pre-filtration for well water sources.

3. What's in the Box

Verify that all components are present before beginning installation:

- RO system unit
- MRO filter

- CF filter
- Faucet
- PE pipes (3x)
- T-fitting
- Drain Saddle

4. Setup and Installation

The Waterdrop G2 system features an innovative tankless design for easy installation, typically completed in under 30 minutes. No plumber is required for standard installation.

4.1 Pre-installation Requirements

- An electrical outlet under the sink is required.
- Drilling two holes may be necessary: one for the RO faucet and another for the drain pipe connection.
- Ensure sufficient under-sink space (Product Dimensions: 17.33"L x 5.91"W x 13.98"H).

4.2 Installation Steps

1. **Prepare the Installation Area:** Clear the under-sink cabinet. Locate suitable positions for the RO system, faucet, and drain saddle.
2. **Install the Faucet:** Drill a hole (if necessary) in your countertop or sink for the dedicated RO faucet. Secure the faucet using the provided hardware.
3. **Connect the Water Supply:** Install the T-fitting to your cold water supply line. Connect one of the PE pipes from the T-fitting to the RO system's inlet.
4. **Install the Drain Saddle:** Attach the drain saddle to the drain pipe under your sink. Connect another PE pipe from the RO system's drain outlet to the drain saddle.
5. **Connect the Faucet Line:** Connect the third PE pipe from the RO system's purified water outlet to the RO faucet.
6. **Insert Filters:** Twist and pull to insert the MRO and CF filters into their respective slots on the system unit. Ensure they are securely locked.
7. **Power On:** Plug the system into the electrical outlet.
8. **Flush the System:** Turn on the water supply to the system. Open the RO faucet and allow water to run for 3-5 gallons (approximately 15-20 minutes) to flush the new filters and remove any air or carbon fines.



Figure 3: Quick installation and filter replacement process.

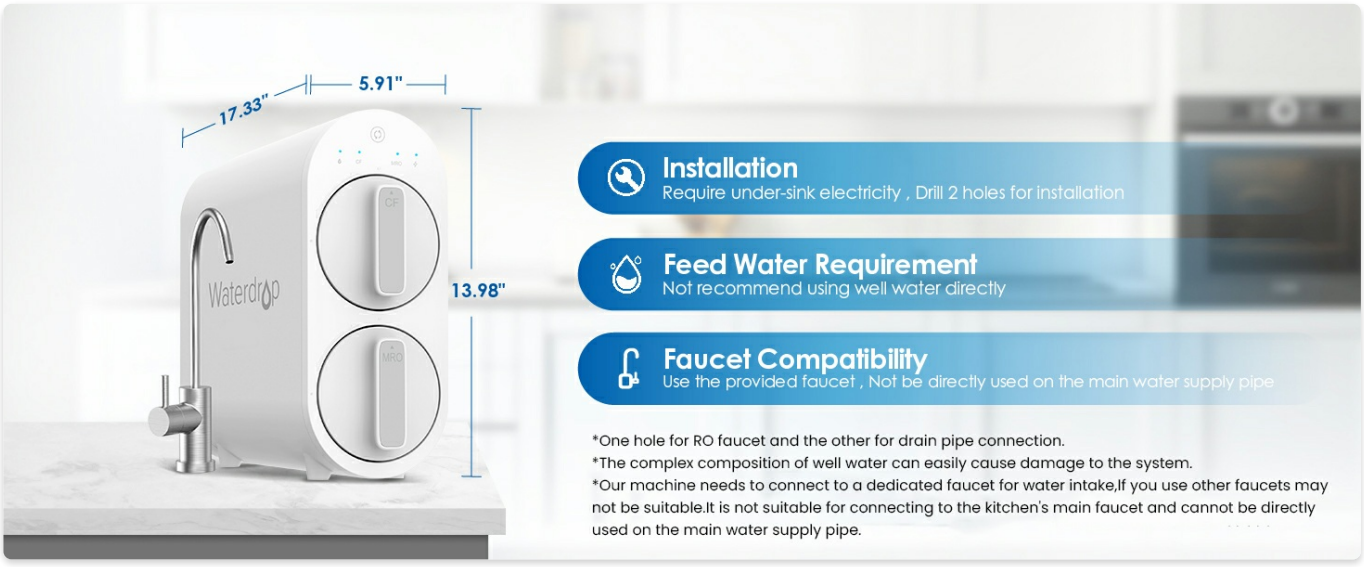

Figure 4: System dimensions and installation considerations.

For a visual guide, please refer to the official installation videos available on the Waterdrop website or YouTube.

5. Operating the System

The Waterdrop G2 RO System provides purified water on demand with its tankless design and high flow rate.

- **Water Dispensing:** Simply open the dedicated RO faucet to get purified water. The system will activate automatically to filter water in real-time.
- **Fast Flow:** Enjoy a cup of filtered water in approximately 12 seconds due to the 400 GPD capacity.
- **Efficient Drain Ratio:** The system operates with a 1:1 pure to drain ratio, significantly reducing water waste compared to traditional RO systems.

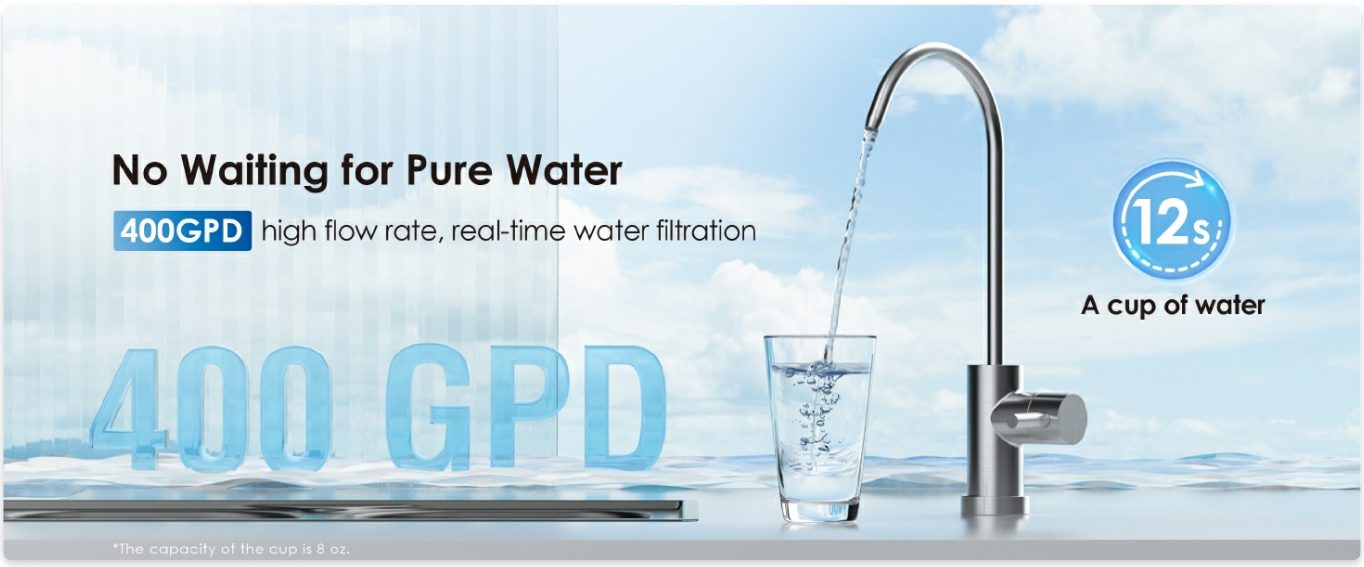

Figure 5: High flow rate for instant purified water.



Figure 6: Water saving efficiency of the G2 system.

6. Maintenance

Regular maintenance, primarily filter replacement, ensures the continued performance and longevity of your Waterdrop G2 system.

6.1 Filter Replacement

The G2 system features a convenient twist-and-pull design for quick filter replacement, taking only a few seconds.

- **Filter Lifespan:** The CF filter typically lasts up to 12 months, and the MRO filter up to 24 months, depending on water quality and usage.
- **Replacement Indicator:** The system unit has indicator lights that will signal when it's time to replace a filter.
- **Procedure:** Simply twist the old filter counter-clockwise to remove it, then insert the new filter and twist clockwise until it locks into place.

- **Post-Replacement Flush:** After replacing filters, flush the system by running water from the faucet for 3-5 gallons to ensure optimal performance and taste.



Figure 7: Filter lifespan and replacement frequency.

Replacement filters can be found by searching for "WD-G2-W" filters.

7. Troubleshooting

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
High TDS reading initially	Water sitting in the unit has not been fully flushed.	Run water for 10-15 seconds before collecting for drinking. Consider filling a pitcher for continuous use.
System making unusual noise/rumbling	Air in the system, or potential issue with pump/components.	Ensure all connections are tight. Flush the system thoroughly. If noise persists, contact customer support.
Slow water flow	Clogged filters, low water pressure.	Check filter indicator lights and replace filters if needed. Verify adequate incoming water pressure.
Water leakage	Loose connections, damaged O-rings.	Inspect all pipe connections and tighten if loose. Check for any visible damage to the system or O-rings.

8. Specifications

Feature	Detail
Model Name	WD-G2-W
Product Dimensions	17.33"L x 5.91"W x 13.98"H

Feature	Detail
Item Weight	25 Pounds
Installation Type	Under Sink
Power Source	In-built Stored Cord (requires electrical outlet)
Maximum Flow Rate	0.28 Gallons Per Minute (400 GPD)
Drain Ratio	1:1 (Pure to Drain)
Filtration Stages	7-Stage Filtration
Certifications	NSF/ANSI 372 (for lead-free materials), SGS & CSA Tested (according to NSF/ANSI 53, 58, 42 & 401 standards)



Figure 8: NSF/ANSI 372 Certification for lead-free materials. Scan the QR code for listing: https://qr10.cn/E43pXS



Figure 9: SGS & CSA testing confirms removal of various contaminants.



Figure 10: The 7-stage filtration process effectively eliminates over 1,000 contaminants.

9. Warranty and Support

Waterdrop provides customer support for its products. For warranty information, technical assistance, or to purchase replacement parts, please contact Waterdrop customer service directly.

- **Manufacturer:** Waterdrop
- **Seller:** WaterdropDirect
- **Online Resources:** Visit the official Waterdrop website or Amazon store for FAQs, support documents, and contact information.
- **User Manual PDF:** A detailed PDF user manual is available for download:Waterdrop G2 User Manual (PDF)

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