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› Waterdrop G3P800 Reverse Osmosis System User Manual

Waterdrop G3P800

Waterdrop G3P800 Reverse Osmosis System User Manual

Brand: Waterdrop | Model: G3P800

1. PRODUCT OVERVIEW

The Waterdrop G3P800 Reverse Osmosis System is a tankless under-sink water filtration system designed to provide high-quality purified water. It features an 800 GPD (Gallons Per Day) fast flow rate and a 3:1 pure to drain ratio, optimizing water usage. This system is certified by NSF/ANSI standards 42, 53, 58, and 372, ensuring effective reduction of various contaminants including TDS, chlorine, lead, and PFAS.

The system incorporates a smart faucet that displays real-time TDS levels and provides filter life reminders, enhancing user convenience and ensuring consistent water quality.



Figure 1: Waterdrop G3P800 Reverse Osmosis System components.

2. INSTALLATION GUIDE

This section provides instructions for installing your Waterdrop G3P800 Reverse Osmosis System. Professional installation is recommended, but the system is designed for straightforward setup.

2.1 Pre-Installation Considerations

- **Space Requirements:** The main unit dimensions are approximately 18.12"L x 5.67"W x 17.72"H. Ensure sufficient under-sink space.

- **Electrical Outlet:** An under-sink electrical outlet is required to power the system.
- **Drilling:** Two holes are typically required for installation: one for the RO faucet and another for the drain pipe connection.
- **Feed Water:** The system is designed for municipal water. If using well water, a pre-filtration system is recommended.
- **Faucet Compatibility:** Use the provided smart faucet. The system connects to a dedicated faucet intake and cannot be directly used on the main water supply pipe.

Waterdrop Water Filtration

40M+ USA Families' Choice



Easy installation



Great-tasting water



Long-lasting filters



800GPD high flow rate



* The data comes from our sales statistics.

Waterdrop G3P800 Reverse Osmosis System

Figure 2: System dimensions and typical under-sink placement.



Figure 3: Key installation details including drilling and electrical requirements.

2.2 Step-by-Step Installation (General)

1. Turn off the cold water supply to your sink.
2. Install the RO faucet in a suitable location on your countertop, requiring a drilled hole.
3. Connect the drain saddle to the drain pipe, requiring another drilled hole.
4. Connect the feed water adapter to your cold water line.
5. Connect the various tubing lines from the main unit to the faucet, drain saddle, and feed water adapter as per the detailed diagram in your physical user manual.
6. Insert the filters into their respective slots on the main unit.
7. Plug the system into a grounded electrical outlet.
8. Turn on the cold water supply and check for leaks.
9. Flush the system as per the operating instructions before first use.

3. OPERATING INSTRUCTIONS

The Waterdrop G3P800 system is designed for ease of use, providing instant access to purified water.

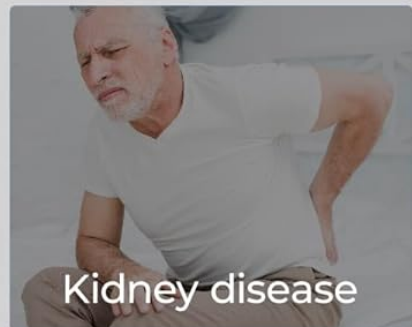
3.1 Water Dispensing

To dispense water, simply open the smart faucet. The system will automatically activate and begin filtering water. The 800 GPD capacity ensures a fast flow rate, capable of filling a cup in approximately 5 seconds, a glass teapot in 30 seconds, and a saucepan in 1 minute.

Protects Family's Health from Lead

Lead (Pb) is one of six *principal (or criteria) pollutants* for which EPA has established NAAQS. It can enter *drinking water* through corrosion of *plumbing materials*, and *homes built before 1986* are more likely to have lead pipes, fixtures and solder.

Lead May Cause



SGS tested for
>99% lead reduction

NSF/ANSI 372 certified
for lead-free materials



Figure 4: Water dispensing speed of the G3P800 system.

3.2 Smart Faucet Features

The smart faucet provides real-time information and alerts:

- **TDS Monitor:** Displays the Total Dissolved Solids (TDS) level of the filtered water, allowing you to monitor water quality at a glance.
- **Filter Life Reminder:** Indicates the remaining lifespan of each filter, prompting you when it's time for replacement to

ensure continuous optimal performance.

- **Fault Alerts:** Provides notifications for any system malfunctions or issues, enabling prompt troubleshooting.

3:1 Pure to Drain Ratio

Achieves **1200%** water savings



Figure 5: Smart digital faucet interface.

4. MAINTENANCE

Regular maintenance, primarily filter replacement, is crucial for the optimal performance and longevity of your Waterdrop

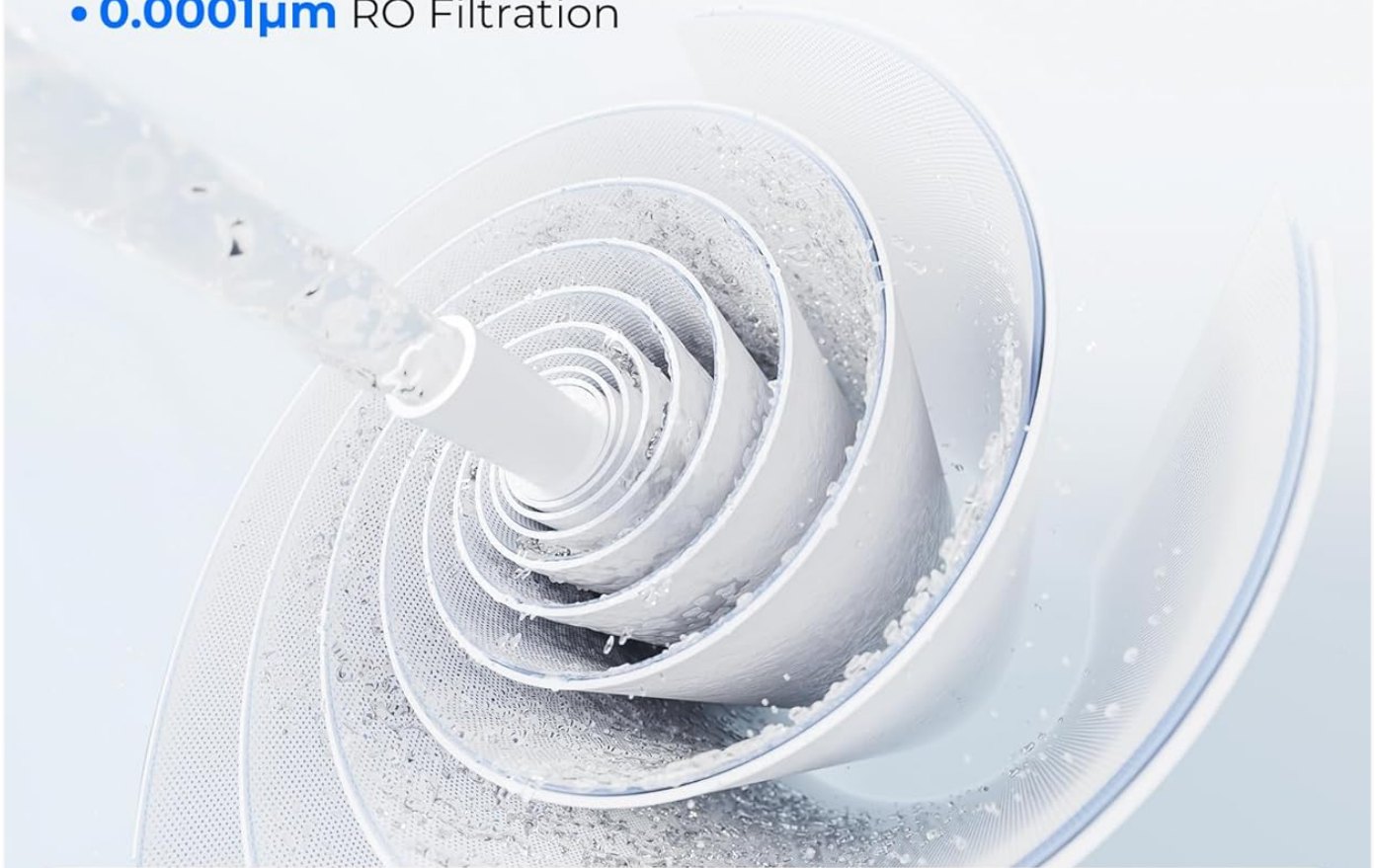
G3P800 system.

4.1 Filter Replacement

The system utilizes a 10-stage filtration process. The smart faucet will indicate when filters need to be replaced. Filter replacement is designed to be quick and easy. Simply twist the old filter out and twist the new one in. Refer to your physical manual for specific filter types and replacement schedules.

Improves Your Water Quality by Professional Filtration

- **0.0001 μ m** RO Filtration



10-Stage Filtration

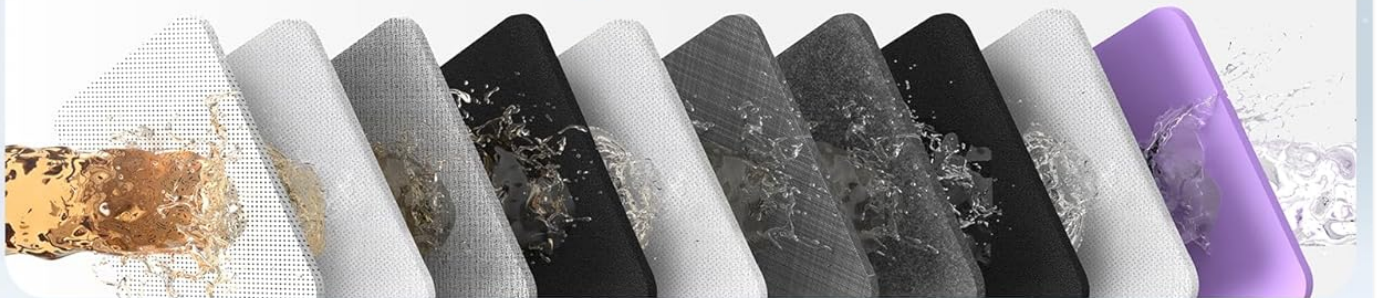


Figure 6: Overview of the 10-stage filtration system.



Figure 7: Simple twist-and-replace filter mechanism.

4.2 Automatic Flushing

The system features an automatic circular flushing design to prevent wastewater residues and maintain system hygiene.



Figure 8: Internal view of the automatic flushing mechanism.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Waterdrop G3P800 system.

Problem	Possible Cause	Solution
Low Water Flow	Clogged filters, low water pressure, kinked tubing.	Check filter life indicator on smart faucet and replace if necessary. Ensure water supply valve is fully open. Inspect tubing for bends or obstructions.
Unusual Noise During Operation	Normal operation sound (pump), air in the system, loose components.	A humming sound during filtration is normal. If noise is excessive, check for air bubbles in lines (flush system). Ensure unit is stable and not vibrating against cabinet.
Water Leaks	Loose connections, damaged O-rings, cracked housing.	Immediately turn off water supply. Check all tubing connections and ensure they are securely inserted. Inspect filter housings for proper seating. If leaks persist, contact customer support.
Smart Faucet Display Not Working	Power issue, loose connection to faucet.	Ensure the system is plugged in and receiving power. Check the connection cable between the main unit and the smart faucet.

For more detailed troubleshooting or issues not listed here, please refer to the comprehensive troubleshooting guide in your physical user manual or contact Waterdrop customer support.

6. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Waterdrop
Model Name	G3P800
Product Dimensions	18.12"L x 5.67"W x 17.72"H
Item Weight	16.4 Kilograms (approx. 36.1 pounds)
Installation Type	Under Sink
Power Source	Corded Electric (220 Volts)
Maximum Flow Rate	800 GPD (Gallons Per Day) / 3028 Liters Per Day
Pure to Drain Ratio	3:1
Filtration Stages	10-stage RO filtration
Certifications	NSF/ANSI 42, 53, 58, 372 Certified; CE, FCC, UKCA
Special Features	Smart faucet with TDS display, filter life reminder, fault alerts; Tankless design

SGS & CSA Tested

Tested according to NSF/ANSI
53 & 58 & 42 & 401 standards

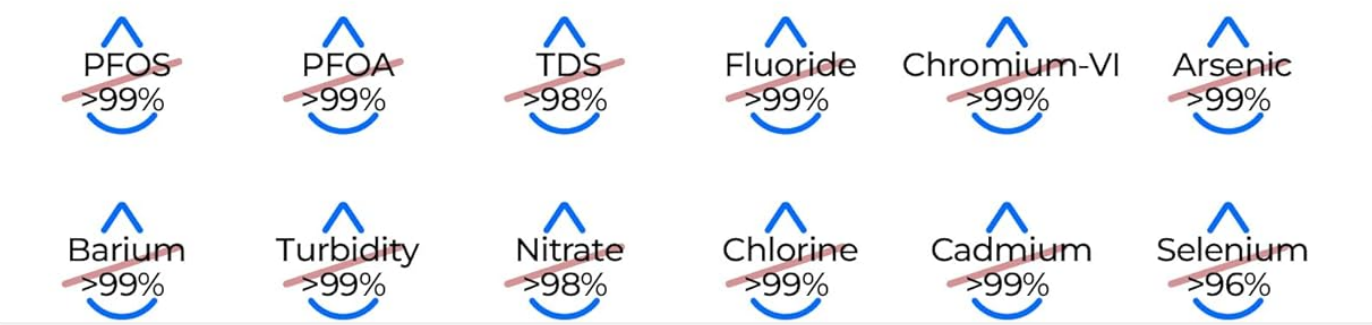


Figure 9: Product certifications.

More Details About Product



The image shows the Waterdrop G3P800 Reverse Osmosis System on a countertop. To its left is a 1-gallon water bottle. Dimensions are indicated: the bottle is 12.24" tall and 5.35" wide. The system is 18.12" wide, 5.67" deep, and 17.72" tall. The system has three filters labeled CB, CF, and RO. A faucet is attached to the front. To the right, there are four blue callout boxes with icons and text:

- Installation**: Require under-sink electricity, Drill 2 holes for installation
- Feed Water Requirement**: Not recommend using well water directly
- Faucet Compatibility**: Use the provided faucet, Not be directly used on the main water supply pipe
- Pre-measure Dimensions**: Measure cabinet size before buying to ensure it fits your kitchen

*One hole for RO faucet and the other for drain pipe connection. The size of the faucet hole is 1".
*If you are using well water as the source, please ensure the feed water has been through a pre-filtration system.
*Our machine needs to connect to a dedicated faucet for water intake. If you use other faucets may not be suitable. It is not suitable for connecting to the kitchen's main faucet and cannot be directly used on the main water supply pipe.

Figure 10: NSF/ANSI certification details. For more information, visit [IAPMO R&T](#).

7. WARRANTY AND SUPPORT

The Waterdrop G3P800 Reverse Osmosis System comes with a **1-Year Manufacturer and Seller Combination Warranty**.

For technical assistance, troubleshooting, or warranty claims, please contact Waterdrop customer service. Many users have reported excellent and responsive support from the Waterdrop team.

Additional resources:

- Official User Guide (PDF): [Download Here](#)
- Official User Manual (PDF): [Download Here](#)
- Certificate of Compliance (PDF): [Download Here](#)
- Visit the Waterdrop Store: [Waterdrop Amazon Store](#)