Waterdrop G5P700A

Waterdrop G5P700A Alkaline Mineral pH+ Reverse Osmosis Water Filter User Manual

Model: G5P700A | Brand: Waterdrop

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Waterdrop G5P700A Alkaline Mineral pH+ Reverse Osmosis Water Filter. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your system.
The Waterdrop G5P700A is an advanced 8-stage reverse osmosis water filtration system designed to provide clean, safe, and mineral-enriched drinking water. It features a compact, tankless design, high 700 GPD capacity, and a 2:1 pure to drain ratio for efficient water usage.

2. Product Components

The following components are included with your Waterdrop G5P700A system:

- RO System Unit (1)
- RO/CF Filter (1)
- Smart Faucet Assembly (1)
- PE Pipes (various sizes and colors for inlet, pure, and drain water)
- T-Fitting (1)
- Power Adapter (1)
- Drain Saddle (1)
- Teflon Tape (2)
- Lock Clips (6: 4 larger, 2 smaller)



Figure 2.1: Overview of Waterdrop G5P700A system components.

3. Installation Guide

Follow these steps carefully for proper installation of your Waterdrop G5P700A system. It is recommended to watch the

official installation video for visual guidance.

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Video 3.1: Official Installation Guide for Waterdrop G5P700A Tankless RO System. This video provides a step-by-step visual demonstration of the installation process.

3.1 Important Pre-Installation Notes

- The RO system must be connected to the COLD water supply ONLY.
- Do not install the system in exposure to direct sunlight or harmful chemicals, nor any place where it may be damaged.
- Do not install the system near any heat source.
- Do not install the system outdoors.

3.2 Step 1: Install the Feed Water Adapter (3/8" or 1/2")

1. Shut off the main water supply to your kitchen sink. Turn on the kitchen faucet to release any remaining water pressure. Ensure water has stopped flowing before proceeding.
2. Disconnect the cold water pipe from the cold water supply valve.
3. Twist the feed water adapter onto the cold water supply valve (ensure the washer is in place) and tighten it with an adjustable wrench.
4. Twist the cold water pipe onto the feed water adapter and tighten with an adjustable wrench.

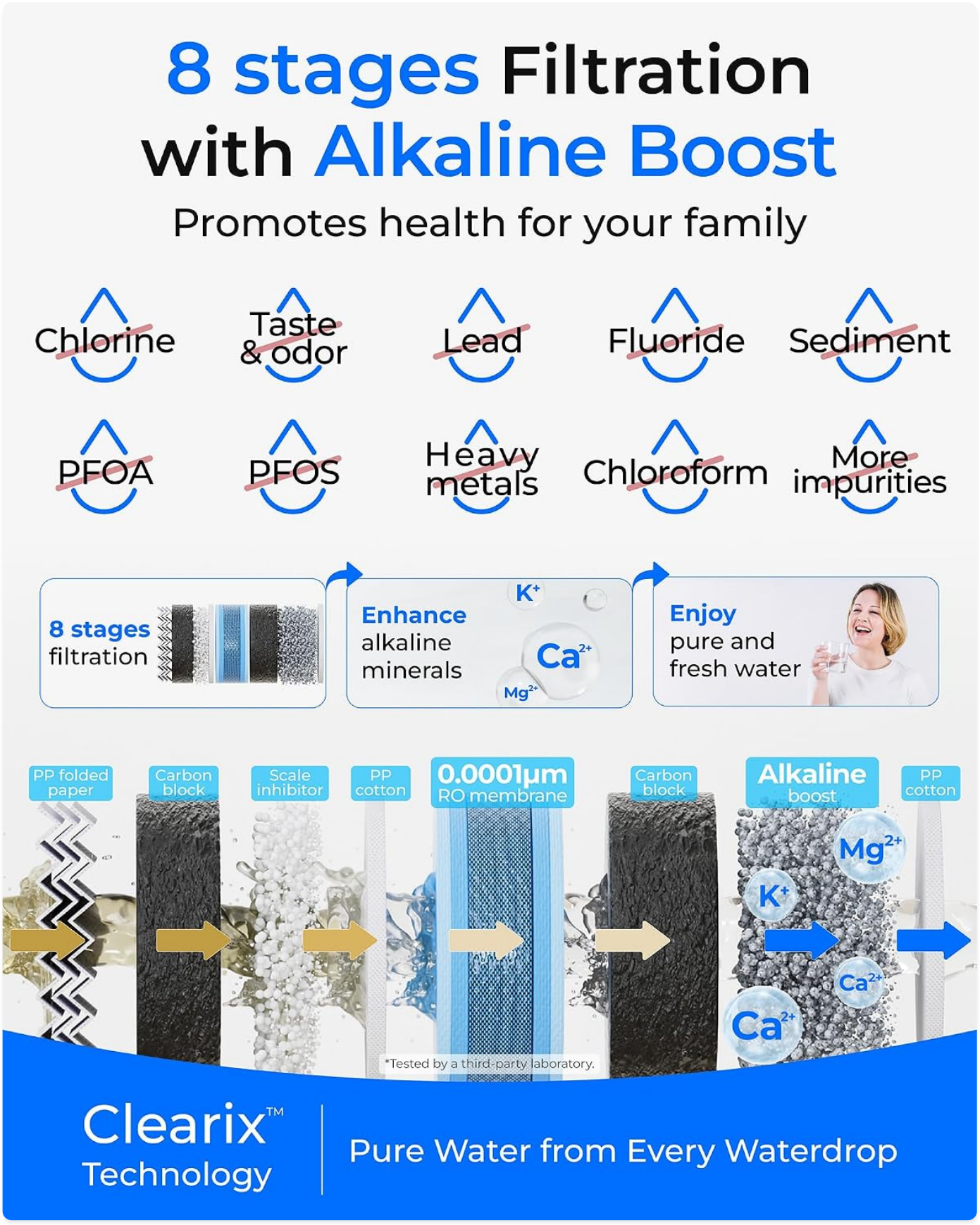

Figure 3.2.1: Feed water adapter connected to the cold water supply.

3.3 Step 2: Install the Smart Faucet (Non-Air Gap Faucet)

1. If your kitchen sink or countertop does not have an existing 1-inch hole, you will need to drill one.
2. Insert the faucet spout into the faucet body.
3. Insert the faucet stem, power cord, and filtered water tubing into the hole on the countertop.

4. Under the sink, slip on the mounting washer and tighten it up to secure the faucet.



Figure 3.3.1: Smart faucet installation on countertop.

3.4 Step 3: Install the Drain Saddle

1. Stick the foam seal on the front plate of the drain saddle. Ensure the hole of the foam seal is aligned with the hole of the front plate.
2. Choose a spot on the drainpipe that is convenient for installing the drain saddle. It's recommended to install the

drain saddle on the vertical drainpipe.

3. Drill a 1/4" hole in the drainpipe. Be sure not to penetrate the opposite side of the pipe.
4. Slip the front plate over one end of the drain tubing (without a mark) and insert the tubing into the drilled hole for about 0.6".
5. Position the back plate on the drainpipe by tightening the screws and nuts evenly while leaving the tubing in the hole.
6. Pop the lock clip onto the fitting to secure the connection.



Figure 3.4.1: Drain saddle installation on the drainpipe.

3.5 Step 4: Check Available Space Under Sink for Installation

- Ensure that there is sufficient space under the countertop to install the system (16.69" L x 5.69" W x 13.90" H).
- Position the front panel facing you, which will be convenient for future filter replacement and indicator checking. You can also adjust the placement direction of the system according to the layout under the sink. The system must be installed horizontally, not tilted, placed on the side, lying on the side, or inverted.

- Set aside 2 inches of space around the system to avoid placing the system against the cabinet.



Figure 3.5.1: Space requirements for the Waterdrop G5P700A system.

3.6 Step 5: Connect Tubing

1. Confirm the tubing length you need first, and then cut the tubing if it's too long.
2. Before connecting the PE tubing to the system, remove the plugs from corresponding water ports.

3. Insert "INLET" water tubing (white tubing) into "INLET" water port (White water port).
4. Insert "PURE" water tubing (blue tubing) into "PURE" water port (Blue water port).
5. Insert "DRAIN" water tubing (red tubing) into "DRAIN" water port (Red water port).
6. Make sure it is fully inserted until you reach the mark on the tubing and pop up the lock clips into every water port to avoid leaking water.



Figure 3.6.1: Tubing connections on the back of the RO system.

3.7 Step 6: Connect Power Cord

1. Connect the smart faucet to the system by inserting the power cord, which is attached to the smart faucet, into the "FAUCET" connector at the back of the housing, and tighten the nut.
2. Insert the DC head of the power adapter into the "POWER" port at the back of the housing.
3. Please do not connect the power socket now.



Figure 3.7.1: Power and faucet cable connections.

3.8 Step 7: Start up the System

1. Turn on the cold water supply valve. Check for leaks.
2. Insert the plug of the power adapter into the socket. (Note: Please use cable ties to secure the power cord and ensure it is kept away from water to avoid any risk.)
3. Flush for 35 minutes for first time use: After being powered up, turn on the RO faucet. The system starts flushing automatically for 35 minutes. The faucet displays flushing status and the outer ring light will flash clockwise dynamically. (Note: During the flushing process, it is normal for the faucet flow to be unstable, and water is not drinkable during the automatic flush.)
4. Until the faucet screen starts displaying a TDS reading, confirm the flush is completed before turning off the Smart Faucet and ensure it's not leaking.



Figure 3.8.1: System startup and flushing.

4. Operating Instructions

4.1 TDS Display

The built-in TDS sensor detects the water quality when the system begins to work, and shows the TDS reading on the RO faucet screen. This allows for real-time monitoring of your water purity.



Figure 4.1.1: Smart Faucet Display showing TDS reading and filter indicators.

4.2 Screen Wake

When the faucet is turned on for water discharge, it wakes up the faucet display. After the water filtration is finished, the faucet screen turns off automatically to save energy.

5. Maintenance

5.1 Filter Replacement

The Waterdrop G5P700A system features an easy 3-second filter replacement mechanism. The smart faucet display will provide filter life reminders, indicating when it's time to replace the CF (pre-sediment and post-carbon block) and RO (reverse osmosis membrane) filters.

- CF Filter (WD-RG17-CFA): Recommended replacement every 6 months.
- RO Filter (WD-RG17-RO): Recommended replacement every 24 months.

To replace a filter, simply align the filter to the midpoint, twist to unlock, remove the old filter, insert the new filter, and twist to lock. The system features automatic water shutoff during filter replacement.



Figure 5.1.1: Simple filter replacement process.

6. Troubleshooting

For common issues, please refer to the detailed troubleshooting section in the official PDF user manual. If problems persist, contact Waterdrop customer support.

7. Specifications

Feature	Detail
Product Dimensions	5.69"L x 16.69"W x 13.9"H
Item Weight	21.4 Pounds
Filtration Stages	8-stage Filtration
Capacity	700 GPD (Gallons Per Day)
Pure to Drain Ratio	2:1
Special Feature	Alkaline Mineral, Smart LED Faucet
Certifications	NSF/ANSI 372 Certified (Lead-free material)
Manufacturer	Waterdrop
Country of Origin	China

8. Warranty and Support

For detailed warranty information, please refer to the official user manual PDF available for download. Waterdrop offers 7/24 customer service for any water issues, installation & accessories, replacement filters, and subscription & save inquiries.

Official User Manual (PDF): Download Here

For customer support, please visit the Waterdrop Store on Amazon or contact their customer service directly.

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