

Waterdrop WD-G5P500A

Waterdrop G5P500A Alkaline Mineral pH+ Reverse Osmosis Water Filter System User Manual

1. INTRODUCTION

The Waterdrop G5P500A is an advanced tankless reverse osmosis water filtration system designed to provide clean, safe, and mineral-enriched alkaline water. This system features an 8-stage filtration process, a high flow rate of 500 GPD (Gallons Per Day), and an efficient 2:1 pure to drain ratio, making it both effective and environmentally conscious. This manual provides essential information for the proper installation, operation, and maintenance of your Waterdrop G5P500A system.

2. PRODUCT OVERVIEW

The Waterdrop G5P500A system combines precise filtration with alkaline mineralization to deliver high-quality drinking water. Its compact, tankless design saves space and prevents secondary contamination.

Key Features:

- **Precise 8-Stage Filtration:** Reduces harmful contaminants such as PFOA, PFOS, chlorine, lead, fluoride, heavy metals, and other impurities.
- **0.0001µm RO Membrane with Added Minerals:** Utilizes a 0.0001µm precision RO membrane and alkaline mineralization technology to enrich water with essential minerals like Ca^{2+} , Mg^{2+} , Na^{+} , and K^{+} .
- **Compact Tankless Design:** Frees up to 70% of under-sink space and eliminates the risk of secondary contamination associated with traditional tanks.
- **500 GPD High-Speed Flow:** Provides a steady and rapid water flow, capable of filling an 180ml cup in approximately 8 seconds.
- **Efficient 2:1 Pure/Drain Ratio:** Generates 400% more clean water compared to conventional systems, reducing water waste.

- **NSF/ANSI 372 Certified:** Ensures lead-free material for safe use.

Components Included:

- RO System Unit
- RO/CF Filter Cartridges
- Dedicated Faucet
- PE Tubes
- T-Fitting

Product Visuals:



Figure 1: Waterdrop G5P500A Reverse Osmosis Water Filter System main unit.

Why Choose Tankless & 500GPD Alkaline?



Waterdrop
G5P500A pH+



Lead-free material

Indicator & buzzer alert

8 stages

500GPD rapid flow

67% pure water (2:1)

Saves 70% space

≤30 mins

Lower

24 months



Alkaline minerals

NSF/ANSI 372 certified

Filter life reminder

Filtration stages

Flow rate

Pure to drain ratio

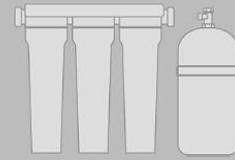
Space

Installation

Leakage risk

RO filter life

Traditional RO



5 stages

50GPD diminishing flow

20% pure water (0.25:1)

≈ 2 waste processors

>120 mins

Higher

12 months

Figure 2: Waterdrop G5P500A Reverse Osmosis system installed under a sink with its dedicated faucet.

8-Stage Filtration with Alkaline Mineralization

Promotes **health** for your family

~~Chlorine~~

~~Taste & odor~~

~~Lead~~

~~Fluoride~~

~~Sediment~~

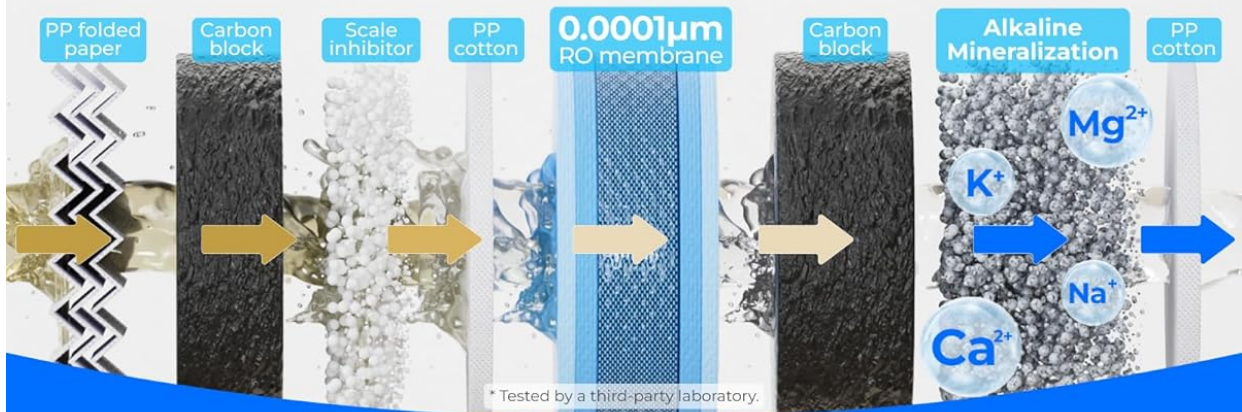
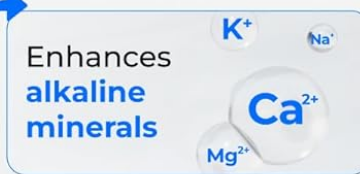
~~PFOA~~

~~PFOS~~

~~Heavy metals~~

~~Chloroform~~

~~More impurities~~



Clearix™
Technology

Pure Water from Every Waterdrop

Figure 3: Diagram illustrating the 8-stage filtration process of the Waterdrop G5P500A system, including alkaline mineralization.

Why Choose Tankless & 500GPD Alkaline?



Alkaline minerals	NSF/ANSI 372 certified	Filter life reminder	Filtration stages	Flow rate	Pure to drain ratio		Space	Installation	Leakage risk	RO filter life
✓	Lead-free material	Indicator & buzzer alert	8 stages	500GPD rapid flow	67% pure water (2:1)	Waterdrop G5P500A	Saves 70% space	≤30 mins	Lower	24 months
✗	✗	✗	5 stages	50GPD diminishing flow	20% pure water (0.25:1)	 Traditional RO	≈2 waste processors	>120 mins	Higher	12 months

Figure 4: Comparison of Waterdrop G5P500A with traditional RO systems.

3. SETUP AND INSTALLATION

The Waterdrop G5P500A is designed for under-sink installation. Please ensure you have adequate space and necessary connections before beginning.

Installation Requirements:

- Under-sink electricity is required.
- Two drilled holes are needed: one for the RO faucet (2.5cm diameter) and one for waste water drainage (2.5cm diameter).
- The provided faucet must be used. Do not directly connect to the main water pipe.
- For well water sources, a pre-filter is required prior to the RO system.
- Measure your cabinet size before purchase to ensure an ideal fit.

The system is designed for a quick installation, typically within 30 minutes, and does not require complex plumbing modifications.

Compact Size, Saves Under Sink Space

Tankless design, without **recontamination**



Figure 5: Compact size and under-sink installation of the Waterdrop G5P500A system.

More Details



Installation

Under-sink electricity and 2 drilled holes required



Feed Water Requirement

For well water, install a pre-filter prior to the RO system



Faucet Compatibility

Use provided faucet only;
No direct connection to main water pipe



Pre-measure Dimensions

Measure cabinet size before purchase for ideal fit

* Important:
Two separate holes are required: one for the RO faucet (2.5cm size) and one for waste water drainage (2.5cm size).
Well water must be pre-filtered. Do not connect to water softeners.
You can connect the system to the kitchen main faucet.



Figure 6: Detailed installation requirements and dimensions.

4. OPERATING INSTRUCTIONS

Once installed, the Waterdrop G5P500A provides instant access to purified, alkaline water without the need for a storage tank.

Water Dispensing:

- Simply open the dedicated faucet to dispense purified water. The system's 500 GPD capacity ensures a continuous and fast flow.
- The system enriches water with essential minerals, providing a pH+ alkaline output for improved taste and hydration.

Smart Alerts and Safety Features:

The G5P500A is equipped with comprehensive smart alerts to ensure water safety and system integrity:

- **Leakage Warning:** Alerts you to potential water leaks.
- **Fault Warning:** Indicates system malfunctions.
- **Automatic Water Shut-off:** Automatically stops water flow in case of detected issues to prevent damage.
- **Micro-leakage Protection:** Provides enhanced safety against small leaks.

Fast & Steady Water Flow, Zero Waiting

Instant water access
without tank

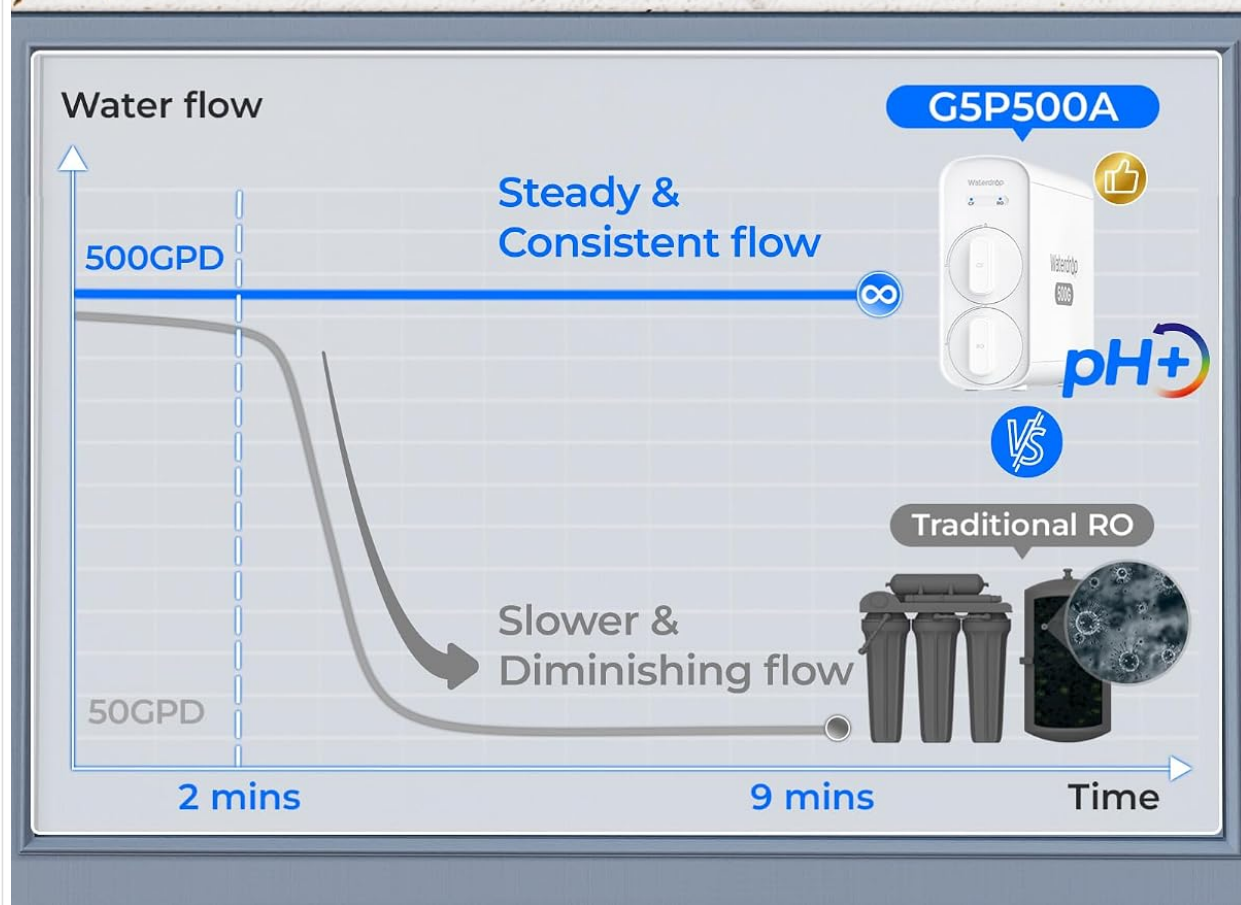
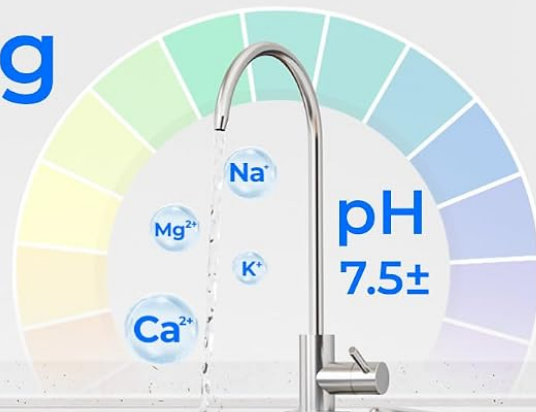


Figure 7: Fast and steady water flow performance.

Alkaline Mineralized Water, Health Nurtured



Better hydration



Packer with minerals



Smoother flavor



Enhanced taste

* EPA recommends a pH of 6.5-8.5 for drinking water, optimal at 7.5±. The pH level may vary depending on local water quality.

Figure 8: Benefits of alkaline mineralized water.

Lower Risk of Leakage for Your Peace of Mind



Figure 9: Reduced leakage risk due to fewer connection points.

5. MAINTENANCE

Regular maintenance, primarily filter replacement, is crucial for the optimal performance and longevity of your Waterdrop G5P500A system.

Filter Replacement:

- The system features a convenient 3-second filter replacement design.
- The **RO filter** typically lasts up to **24 months**.
- The **CFA filter** typically lasts up to **6 months**.
- The system includes a filter life reminder to notify you when replacement is needed.
- Always use genuine Waterdrop replacement filters to ensure proper filtration and system compatibility.

30-Minute Installation, No Plumbing Required



Figure 10: Easy 3-second filter replacement process.

Long Filter Lifespan, Saves More Money



Figure 11: Filter lifespan and replacement schedule.

6. TROUBLESHOOTING

If you encounter any issues with your Waterdrop G5P500A system, please refer to the following common troubleshooting tips. For more complex problems, contact customer support.

Common Issues:

- **Low Water Flow:**

- Check if filters need replacement (refer to filter life reminder).
 - Ensure adequate water pressure from the main supply.
 - Verify all connections are secure and free of kinks.
- **Unusual Taste or Odor:**
 - Replace filters if they are past their recommended lifespan.
 - Flush the system for a few minutes after filter replacement.
- **Leakage:**
 - Check all connections and fittings for tightness.
 - The system has a leakage warning and automatic shut-off; if activated, inspect for the source of the leak immediately.
- **System Not Powering On:**
 - Ensure the power cord is securely plugged into a working electrical outlet.
 - Check the circuit breaker.

7. SPECIFICATIONS

Detailed technical specifications for the Waterdrop G5P500A Reverse Osmosis Water Filter System.

Specification	Value
Brand	Waterdrop
Model Name	WD-G5P500A
Special Features	Tankless, 8-stage filtration process, Alkaline mineralization
Product Dimensions (L x W x H)	14.5L x 42.4W x 35.3H cm
Material	Polyamide, Plastic, Stainless Steel
Capacity	500 GPD (Gallons Per Day)
Installation Type	Under-sink
Purification Method	Reverse Osmosis
Power Source	Water pressure (requires electricity for pump)
Maximum Supported TDS (PPM)	50
Smart Home Compatibility	Not smart home compatible
Country of Origin	China

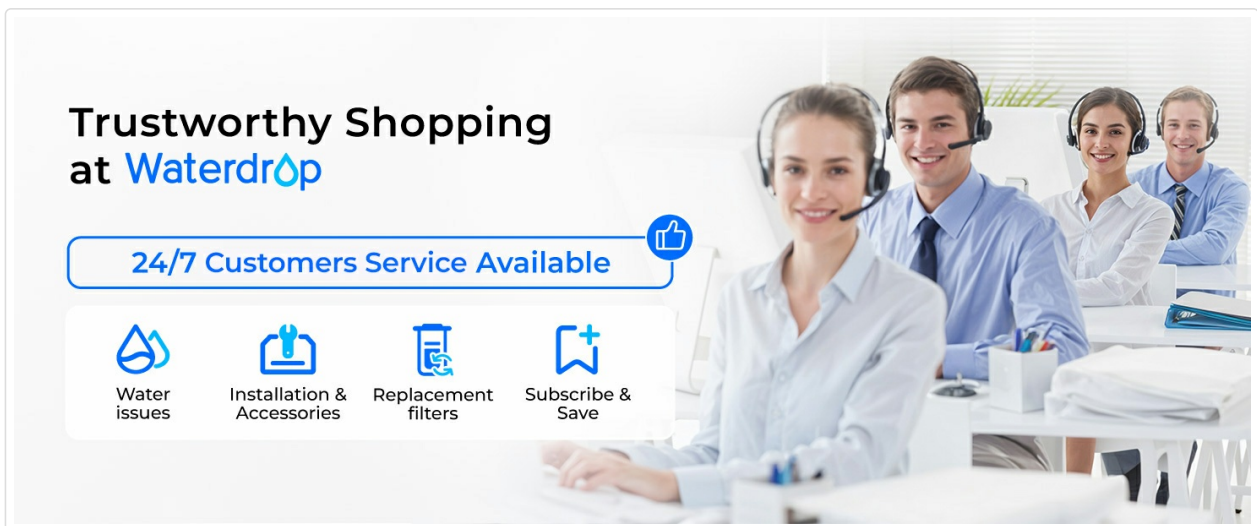
8. WARRANTY INFORMATION

Specific warranty details for the Waterdrop G5P500A system are typically provided with the product packaging or available on the official Waterdrop website. Please refer to these resources for the most accurate and up-to-date warranty terms and conditions.

9. CUSTOMER SUPPORT

For any questions, assistance with installation, troubleshooting, or replacement parts, please contact Waterdrop customer support.

- Waterdrop offers 24/7 customer service.
- You can find contact information on the official Waterdrop website or through your purchase platform (e.g., Amazon seller page for "Waterdrop direct").
- For additional resources, visit the [Waterdrop Store on Amazon](#).



The banner features a background image of four customer service representatives (two women and two men) wearing headsets and smiling. On the left, the text reads "Trustworthy Shopping at Waterdrop". Below this, a blue-bordered box contains the text "24/7 Customers Service Available" with a thumbs-up icon. At the bottom, four icons represent service categories: a water drop for "Water issues", a wrench for "Installation & Accessories", a filter for "Replacement filters", and a bookmark for "Subscribe & Save".

Figure 12: Waterdrop 24/7 Customer Service.