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Waterdrop WD-W79

Waterdrop WD-W79 Fluoride Filter Instruction Manual

1. Product Overview

The Waterdrop WD-W79 Fluoride Filter is designed to provide clean, safe drinking water by effectively reducing fluoride and chlorine. This filter is NSF/ANSI 372 certified for lead-free compliance and is compatible with various gravity-fed water filtration systems.

It is specifically engineered as a replacement for Berkey® PF-2® Fluoride Filters and is compatible with Waterdrop's King Tank Gravity-Fed water filters and Berkey Gravity-Fed water filter systems, including the Big, Travel, Light, Royal, Imperial, and Crown series. Please note that Waterdrop is an independent brand and this product is not sourced or sponsored by Berkey.



Image 1.1: The Waterdrop WD-W79 Fluoride Filter, designed for gravity-fed water filtration systems.

Key Features:

- **Efficient Filtration:** Combines resin and high-quality activated carbon to reduce fluoride by 93% and residual chlorine, improving water taste.
- **Quality Materials:** Constructed with food-grade fluoride reducing agent, resin, and granular activated carbon, housed in BPA-free material.
- **Cost-Effective:** Each pair filters up to 1,000 gallons of water, equivalent to approximately 3,800 plastic water bottles (500ml), offering a sustainable choice.
- **Certified:** NSF/ANSI 372 certified for lead-free materials.

2. Setup and Installation

2.1 Pre-Installation Steps

1. **Unpack:** Carefully remove the new fluoride filters from their packaging.
2. **Rinse:** Rinse the exterior of the filters under running water to remove any loose manufacturing dust.
3. **Prime:** It is recommended to prime the filters before installation. Hold the filter under a faucet, allowing water to flow into the small hole at the top until water begins to drip from the larger hole at the bottom. This helps to saturate the filter media and prevent air pockets.

2.2 Installation into Gravity Filtration System

The WD-W79 fluoride filters are designed to attach to the stem of the black carbon filters within your gravity-fed system.

1. **Remove Old Filters:** If replacing existing filters, carefully unscrew and remove the old fluoride filters from the stems of the black carbon filters.
2. **Attach New Filters:** Screw the new WD-W79 fluoride filters onto the threaded stems of the black carbon filters. Ensure they are hand-tightened securely to prevent leaks. Do not overtighten.
3. **Assemble System:** Reassemble your gravity filtration system according to its specific instructions.



Image 2.1: Illustration of the WD-W79 filter being installed into a gravity-fed system, demonstrating perfect compatibility and leak-free design.

3. Operating Instructions

After installation, fill the upper chamber of your gravity filtration system with untreated water. The water will slowly pass through the black carbon filters and then through the attached WD-W79 fluoride filters into the lower chamber.

- **Initial Flushing:** For the first use, it is recommended to discard the first 1-2 gallons of filtered water to flush out any remaining loose carbon fines or air from the filters.
- **Flow Rate:** The filtration process is gravity-fed, so the flow rate will be slower than tap water. This is normal and indicates the water is being thoroughly filtered.
- **Water Quality:** The filtered water should have a noticeably improved taste and be free from fluoride and chlorine.



Image 3.1: A child safely drinking water filtered by the system, highlighting the health benefits of reduced fluoride.

4. Maintenance

4.1 Filter Replacement

For optimal performance and water quality, it is crucial to replace the Waterdrop WD-W79 Fluoride Filters regularly.

- **Replacement Interval:** Replace the filters every 8 months or after filtering 1,000 gallons of water per pair, whichever comes first.
- **Signs of Replacement:** A noticeable decrease in flow rate or a return of unpleasant tastes/odors may indicate that the filters need to be replaced sooner.



Image 4.1: Visual representation of the extended service life of the WD-W79 filters, showing that one pair can replace approximately 3,800 plastic water bottles.

4.2 Cleaning

The WD-W79 fluoride filters themselves do not require cleaning. If the flow rate of your overall gravity system decreases, you may need to clean the black carbon filters according to their specific instructions. Ensure the fluoride filters are removed before cleaning the black carbon filters.

5. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Slow flow rate	Air pockets in filters, clogged filters, or system not fully primed.	Ensure filters are properly primed. Disassemble and re-prime if necessary. Check black carbon filters for clogging and clean if needed.
Unpleasant taste/odor returns	Filters have reached their capacity.	Replace the WD-W79 fluoride filters and the black carbon filters if they are also due for replacement.
Water leakage	Filters not tightened correctly.	Ensure filters are hand-tightened securely onto the black carbon filter stems. Check gaskets for proper seating.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Waterdrop customer service for assistance.

6. Specifications



Image 6.1: Authorized Certification for the Waterdrop filter, indicating compliance with NSF/ANSI Standard 372 for lead-free materials.

Specification	Detail
Model Number	WD-W79
Brand	Waterdrop
Materials	Activated Carbon, Resin
Color	White
Product Dimensions	7.4 cm (D) x 14.5 cm (W) x 16.3 cm (H)
Capacity per Pair	1,000 Gallons
Recommended Replacement	Every 8 months or 1,000 gallons
External Test Certification	NSF/ANSI 372 Certification

Specification	Detail
Product Feature	Fluoride Removal
BPA Free	Yes

7. Versatility and Usage Scenarios

The Waterdrop WD-W79 Fluoride Filters, when used with a compatible gravity-fed system, offer versatile water purification solutions for various environments.

- **Indoor Use:** Ideal for daily use in homes and offices, providing clean drinking water for cooking and hydration.
- **RV and Travel:** Suitable for recreational vehicles, ensuring access to filtered water while on the go.
- **Camping and Outdoor Activities:** A reliable solution for purifying water during camping trips and other outdoor adventures where access to safe drinking water may be limited.



Image 7.1: The Waterdrop filter system demonstrating its versatility for use in RVs, indoors, and during camping.

8. Customer Support

For any questions regarding the installation, operation, maintenance, or compatibility of your Waterdrop WD-W79 Fluoride Filters, please do not hesitate to contact our customer service team.

Our dedicated support staff is available to provide assistance and ensure your satisfaction with Waterdrop products.

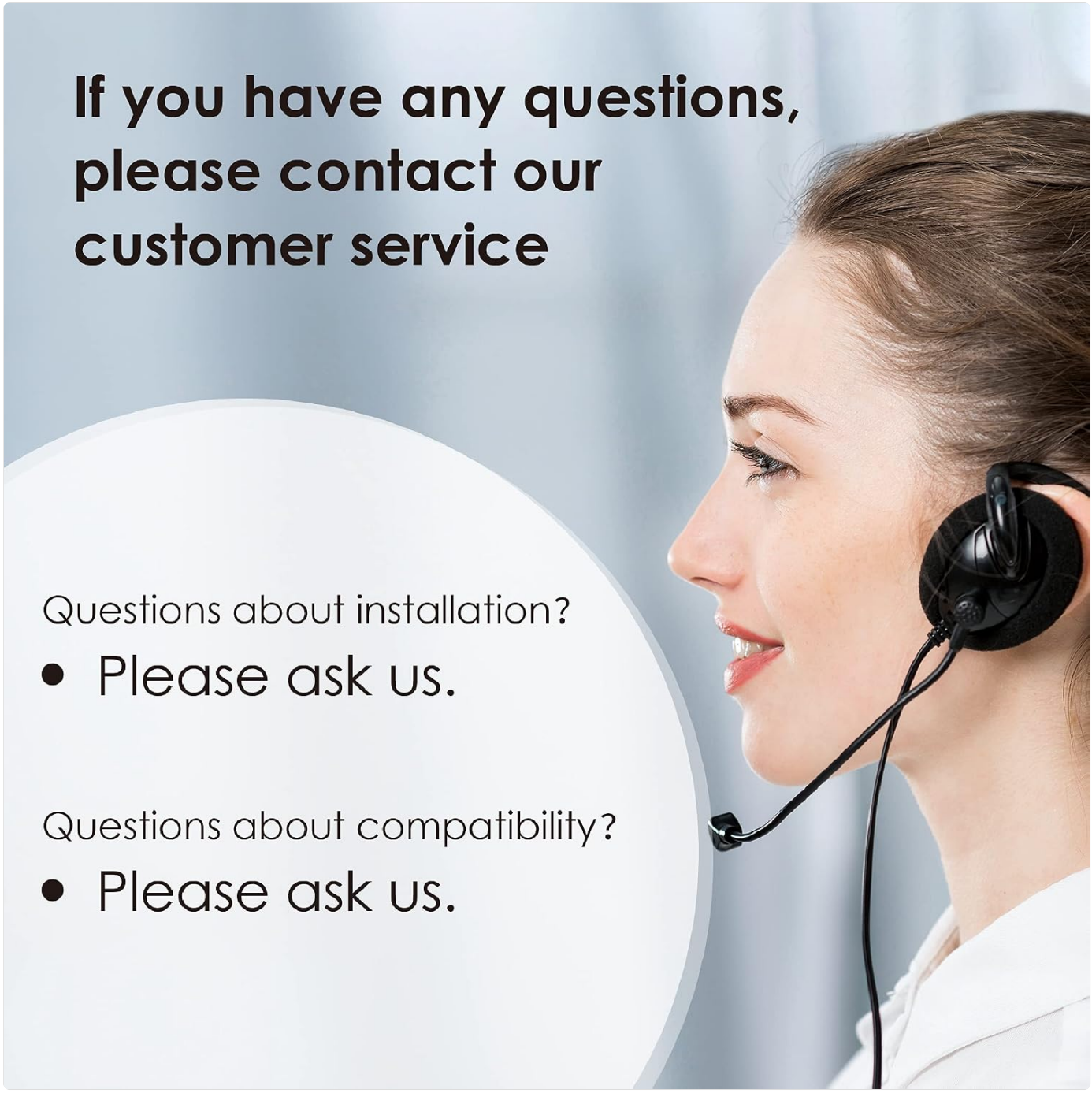


Image 8.1: Waterdrop customer service representative ready to assist with inquiries.

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