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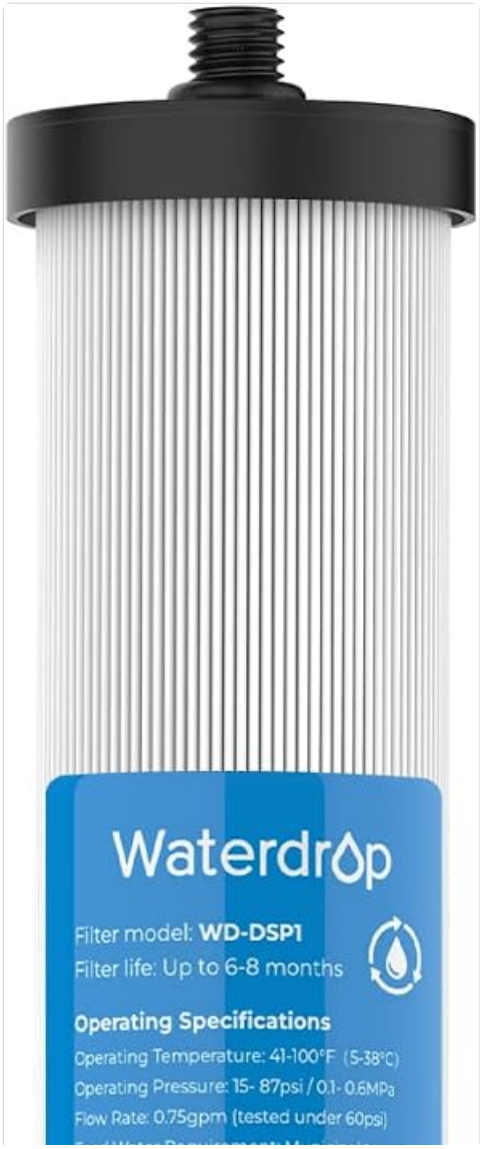
Waterdrop WD-DSP1

Waterdrop WD-DSP1 Filter Replacement User Manual

For Waterdrop DST Stainless Steel Under Sink Water Filter System

1. Product Overview

The Waterdrop WD-DSP1 is a high-quality replacement filter designed specifically for the Waterdrop DST stainless steel under sink dual-stage water filter system. This filter is engineered to provide clean, great-tasting water by effectively reducing common contaminants.



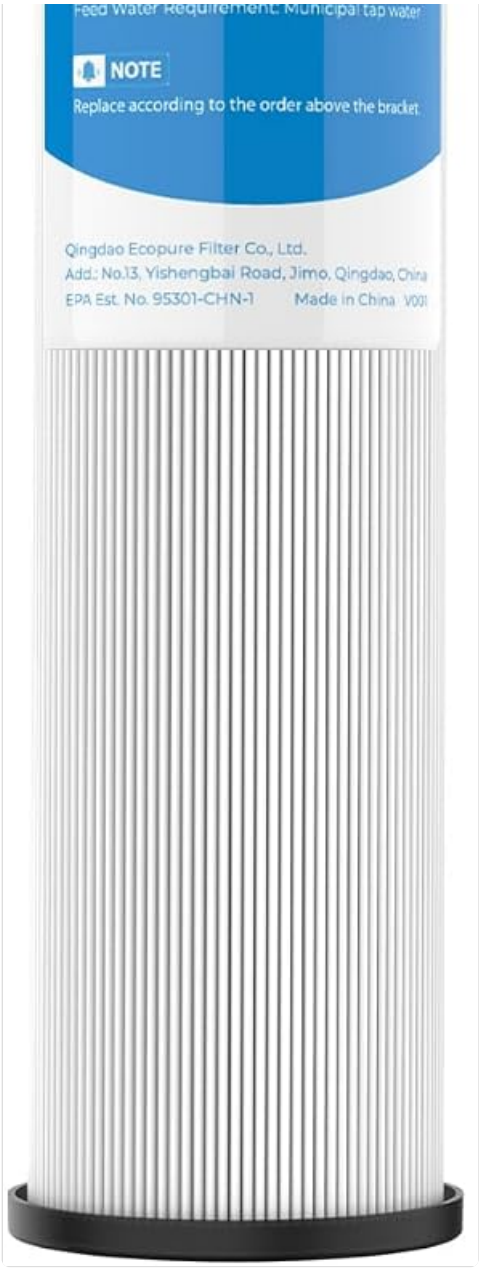


Image: The Waterdrop WD-DSP1 replacement filter, showing its cylindrical shape and label with model information.

Key features include enhanced silver ion technology for waterway cleanliness, natural activated carbon for efficient filtration, and a long service life of up to 8 months or 5,000 gallons.

2. Key Features

- **Compatible Model:** Specifically designed for the Waterdrop WD-DST stainless steel under sink dual-stage water filter system.
- **Enhanced Silver Ion Technology:** Improved filter materials with silver ions help maintain waterway cleanliness and further reduce harmful substances.
- **Efficient Filtration:** Utilizes natural activated carbon with silver ions to effectively reduce chlorine, heavy metals, and improve taste and odor.
- **Longer Service Life:** Provides up to 5,000 gallons of clean water, typically lasting for 8 months, depending on water quality.
- **Easy Replacement:** Designed for a simple twist-and-replace process, requiring no special tools.



Image: Diagram illustrating the compatibility of the WD-DSP1 filter with the Waterdrop WD-DST under sink water filter system, showing the filter fitting into the system under a kitchen sink.



Image: Graphic depicting the benefits of silver ions in the filter, including prevention of bacterial growth, clear water lines, extended lifespan, and long-term health benefits.



Image: Visual representation of the filter's ability to remove chlorine, bad taste & odor, PFOA, and PFOS from water, with silver ions (Ag+) shown in the water flow.



Image: Comparison showing the upgraded accordion-style structure of the filter, which provides 20 times more dirt adhesion area compared to a regular filter, preventing clogging.

3. Specifications

Attribute	Detail
Model Number	WD-DSP1
Compatible System	Waterdrop WD-DST Stainless Steel Under Sink Dual-Stage Water Filter System
Filter Life	Up to 8 months or 5,000 gallons (whichever comes first, dependent on water quality)
Material	Carbon Fiber
Product Dimensions	10.08"D x 2.09"W x 2.09"H
Item Weight	6.6 ounces

External Testing Certification	IAPMO

4. Setup and Installation

This section provides general guidance for replacing the WD-DSP1 filter. For detailed installation instructions of the Waterdrop DST system, please refer to its specific manual.

4.1 Preparing for Filter Replacement

1. Ensure you have the correct replacement filter (Waterdrop WD-DSP1).
2. Turn off the water supply to the under sink filter system. This is typically done via the cold water supply valve under your sink.
3. Open the filtered water faucet to release any residual pressure in the system. Allow water to drain until it stops flowing.

5. Operating Instructions (Filter Replacement)

The WD-DSP1 filter is designed for easy, tool-free replacement. Follow these steps to replace your filter:

1. **Turn Off Water:** Ensure the water supply to the system is turned off and pressure is released by opening the faucet.
2. **Unscrew Old Filter:** Gently unscrew and remove the old filter cartridge from its housing. Be prepared for a small amount of water to drip out.
3. **Insert New Filter:** Align the new Waterdrop WD-DSP1 filter with the housing and push it into place. Twist clockwise until it is securely seated.
4. **Flush System:** Slowly turn on the water supply. Allow water to flow through the system and out of the faucet for at least 5 minutes to flush out any carbon fines and air. This ensures optimal performance.

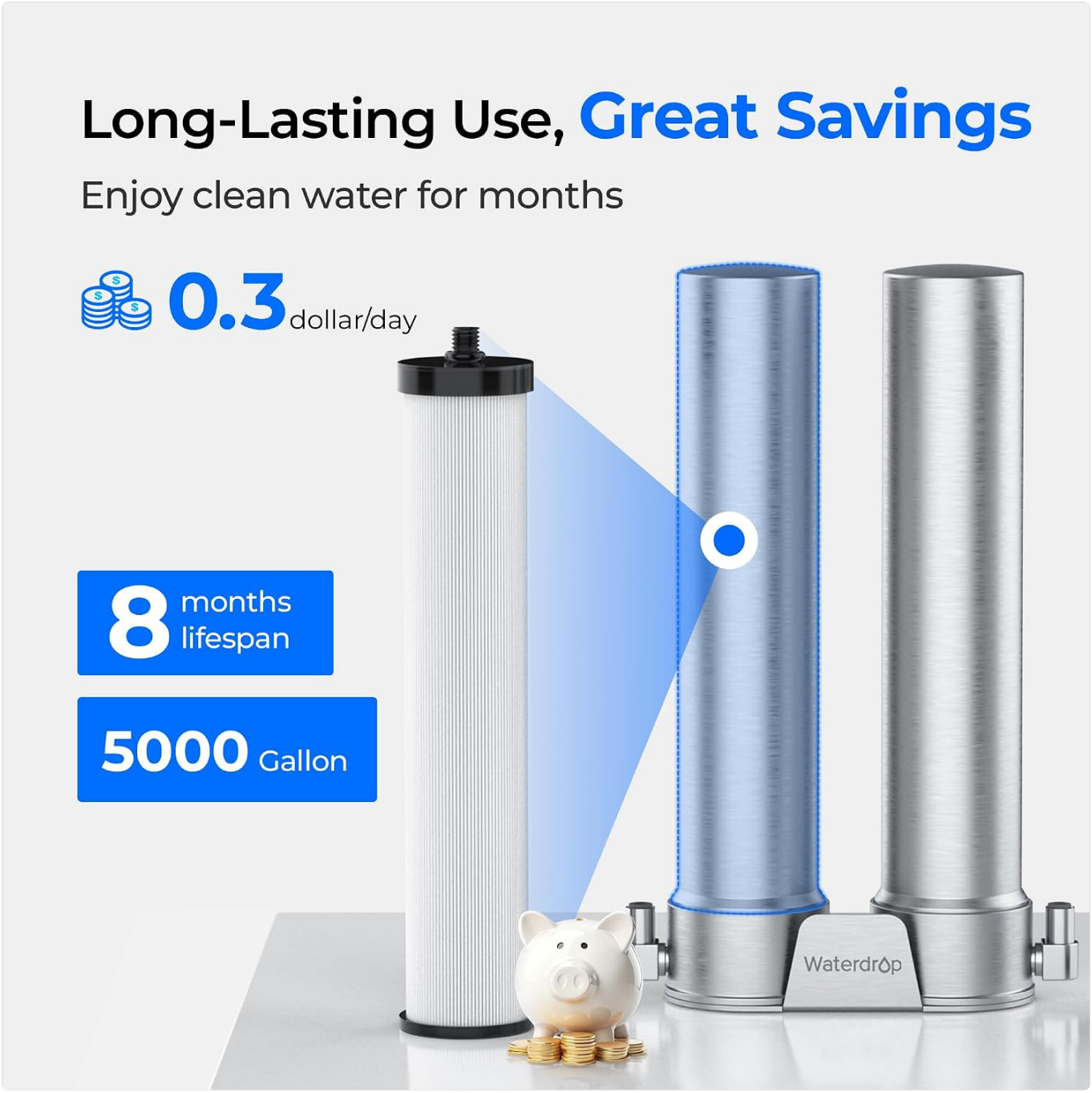


Image: Step-by-step visual guide for replacing the filter, showing turning off water, unscrewing the old filter, inserting the new filter, and flushing the system.



Image: Illustration demonstrating the fast water flow rate, indicating that a cup of water can be filled in approximately 2 seconds.

6. Maintenance

Regular filter replacement is crucial for maintaining the performance and safety of your water filtration system.

6.1 Filter Replacement Schedule

The Waterdrop WD-DSP1 filter has a recommended lifespan of up to 8 months or 5,000 gallons. However, the actual replacement frequency may vary based on your local water quality and usage habits. It is recommended to replace the filter when:

- The water flow rate significantly decreases.
- You notice a return of unpleasant taste or odor in the filtered water.
- The filter has reached its 8-month or 5,000-gallon capacity, whichever comes first.

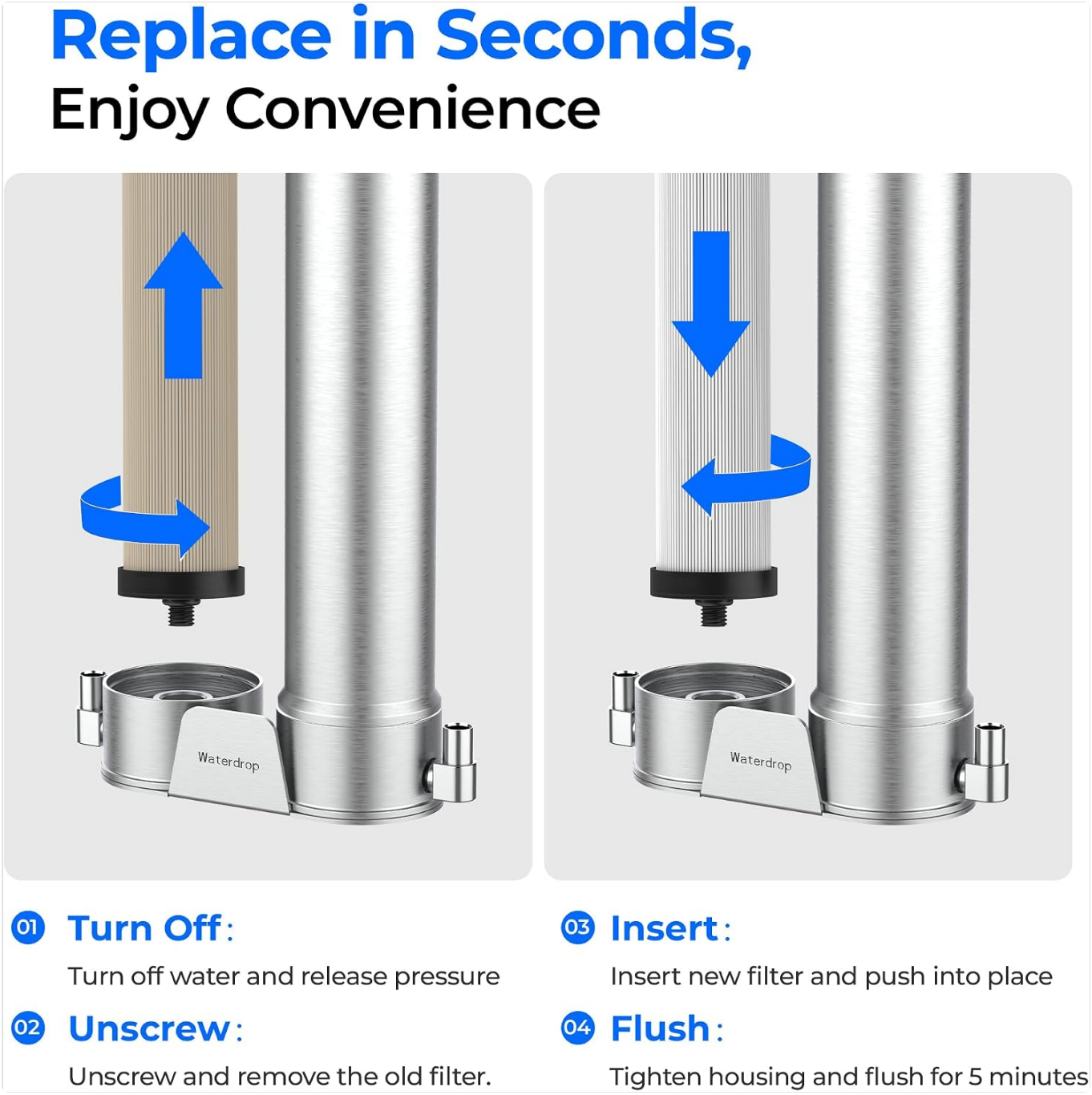


Image: Graphic highlighting the long-lasting nature of the filter, showing an 8-month lifespan and 5000-gallon capacity, with an estimated cost of $0.3 per day.

7. Troubleshooting

If you encounter issues after replacing your filter, consider the following common solutions:

- **Low Water Flow:**
  - Ensure the water supply valve is fully open.
  - Check if the filter is properly seated and twisted into place.
  - Flush the system for a longer period (e.g., 10-15 minutes) to remove trapped air or carbon fines.
  - If the filter is old, it may be clogged and require replacement.
- **Unpleasant Taste/Odor:**
  - Ensure the system was flushed adequately after installation.

- Verify the filter is correctly installed and sealed.
- If the filter has exceeded its recommended lifespan, it may no longer be effective and needs replacement.

- **Leaking:**
  - Turn off the water supply immediately.
  - Check that the filter is securely twisted into its housing.
  - Inspect the O-rings on the filter and housing for any damage or misalignment.

8. Warranty and Support

For specific warranty information regarding your Waterdrop WD-DSP1 filter or the Waterdrop DST system, please refer to the documentation included with your original purchase or visit the official Waterdrop website.
If you require further assistance or have questions not covered in this manual, please contact Waterdrop customer support:

- **Waterdrop Official Website:** www.waterdropfilter.com
- **Amazon Store:** Waterdrop Store on Amazon

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