Whirlpool WHKF-DUF

Whirlpool Under Sink Water Filtration System WHKF-DUF Instruction Manual

Model: WHKF-DUF

Overview Box Contents Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Product Overview

The Whirlpool WHKF-DUF Under Sink Water Filtration System is designed to provide filtered water directly from your cold water line. This system effectively reduces chlorine taste and odor, as well as common particles such as sediment, sand, soil, silt, and rust, thereby improving overall water quality. It features a 6-month life carbon water filter (WHKF-GAC) and utilizes easy-to-use push-in quick connect fittings for straightforward installation.

This filtration system is NSF tested and certified, ensuring reliability and performance. It is suitable for both city and well water supplies.



Image 1.1: The Whirlpool WHKF-DUF Under Sink Water Filtration System, showing its compact design and warning labels.

2. What's in the Box

Upon opening the package, verify that all components are present:

- Filtration Housing (WHKF-DUF)
- WHKF-GAC Filter (Carbon Filter)
- Installation Kit (includes mounting bracket, tubing, connection hardware, and wrench)



Image 2.1: All components included in the Whirlpool WHKF-DUF package, laid out for inspection.

3. Setup and Installation

Before beginning installation, ensure you have all necessary tools and that the water supply to the installation area is turned off. It is recommended to install the system on the cold water line under the sink.

3.1 Safety Precautions

- Turn off the main water supply before starting.
- Relieve water pressure in the cold water line by opening a nearby faucet.
- Ensure proper grounding if working near electrical outlets.
- Read all instructions thoroughly before proceeding.

3.2 Installation Steps

1. **Select Location:** Choose a suitable location under your sink that allows for easy access for filter changes and

maintenance. The system dimensions are approximately 4.75" L x 4.75" W x 12.25" H.

2. **Mount Bracket:** Secure the mounting bracket to the cabinet wall using appropriate screws. Ensure it is level and sturdy enough to support the filter housing when full of water.
3. **Connect to Cold Water Line:**
    - Identify the cold water supply line under your sink.
    - Cut the cold water line at a suitable point for installing the filter.
    - Use the provided push-in quick connect fittings to integrate the filter housing into the cold water line. Ensure connections are secure to prevent leaks.
4. **Install Filter Cartridge:**
    - Unwrap the WHKF-GAC filter cartridge.
    - Insert the filter cartridge into the housing.
    - Screw the housing onto the filter head, ensuring the O-ring is properly seated to create a watertight seal. Hand-tighten only, then use the provided wrench for a final snug turn.
5. **Check for Leaks:**
    - Slowly turn on the main water supply.
    - Check all connections for leaks. If leaks occur, turn off the water, relieve pressure using the red button on top of the housing, and re-tighten connections.
6. **Flush System:** Allow water to run through the filtered faucet for several minutes (e.g., 5-10 minutes) to flush out any carbon fines or air from the system.



Image 3.1: Close-up view of the WHKF-DUF system highlighting its push-in fittings for easy installation and the built-in pressure relief button.

4. Operation

Once installed and flushed, the Whirlpool WHKF-DUF system operates automatically. Filtered water will be available from the faucet connected to the system. The system is designed for use with cold water lines only.

- **Water Flow:** The system provides a continuous flow of filtered water.
- **Pressure Relief Button:** The red button on top of the housing is a pressure relief valve. It should be pressed to release pressure before attempting to open the housing for filter replacement.

5. Maintenance and Filter Replacement

Regular filter replacement is crucial for maintaining optimal water quality and system performance. The WHKF-GAC carbon filter has a life cycle of approximately 6 months.

5.1 Filter Replacement Schedule

- Replace the WHKF-GAC filter every 6 months, or sooner if you notice a significant drop in water pressure or a return of unpleasant tastes/odors.
- Replacement filter options include WHKF-GAC, WHKF-DB1, or WHKF-DB2 for varying levels of filtration.

5.2 Steps for Filter Replacement

1. **Turn Off Water:** Close the water supply valve to the filtration system.
2. **Relieve Pressure:** Press the red pressure relief button on top of the filter housing to release any built-up pressure.
3. **Unscrew Housing:** Use the provided filter wrench to unscrew the filter housing from the head. Turn counter-clockwise. Be prepared for some water to spill.
4. **Remove Old Filter:** Discard the used filter cartridge.
5. **Clean Housing:** Rinse the filter housing with warm, soapy water. Inspect the O-ring for any damage or wear. Replace if necessary. Apply a thin coat of food-grade silicone grease to the O-ring to ensure a good seal and ease of future removal.
6. **Insert New Filter:** Place a new, unwrapped filter cartridge into the housing.
7. **Reattach Housing:** Screw the housing back onto the filter head. Hand-tighten until snug, then use the wrench for an additional 1/4 to 1/2 turn. Do not overtighten.
8. **Restore Water Supply:** Slowly open the water supply valve to the system.
9. **Check for Leaks:** Inspect all connections for leaks.
10. **Flush System:** Run water through the filtered faucet for 5-10 minutes to flush out air and carbon fines from the new filter.



Image 5.1: A Whirlpool WHKF-GAC replacement filter, recommended for use with the WHKF-DUF system.

6. Troubleshooting

Problem	Possible Cause	Solution
Water Leaks from Housing	• Housing not tightened sufficiently. • Damaged or improperly seated O-ring. • Cracked housing.	• Turn off water, relieve pressure, and re-tighten housing with wrench. • Inspect O-ring; clean, lubricate with silicone grease, or replace if damaged. Ensure it is seated correctly. • If housing is cracked, replace the unit.

Problem	Possible Cause	Solution
Low Water Pressure	• Clogged filter cartridge. • Air trapped in the system.	• Replace the filter cartridge. • Flush the system by running water for several minutes to expel air.
Unpleasant Taste or Odor Returns	• Expired filter cartridge.	• Replace the filter cartridge.
Difficulty Unscrewing Housing	• Water pressure not fully relieved. • O-ring dry or stuck.	• Ensure water supply is off and press the red pressure relief button until water stops flowing. • Next time, apply silicone grease to the O-ring during installation.

7. Specifications

- **Model Name:** WHKF-DUF
- **Brand:** Whirlpool
- **Installation Type:** Under Sink
- **Product Dimensions:** 4.75" L x 4.75" W x 12.25" H
- **Item Weight:** 3.7 Pounds
- **Special Feature:** Chlorine Reduction, NSF certified
- **Filter Life Cycle:** 6 Months (WHKF-GAC filter)
- **Operating Temperature:** 40-100°F (4.4-37.8°C)
- **Operating Pressure:** 25-100 psi
- **Flow Rate:** 2 gallons per minute (gpm)



Image 7.1: Diagram illustrating the dimensions of the Whirlpool WHKF-DUF filtration system.

8. Warranty and Support

8.1 Limited Warranty

The Whirlpool WHKF-DUF Under Sink Water Filtration System comes with a**1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, replacement parts, or warranty inquiries, please contact Whirlpool Customer Service. Refer to the contact information provided in your product packaging or visit the official Whirlpool website for support resources.
Manufacturer: Whirlpool

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