

AP WDGD-5005

American Plumber WDGD-5005 Dual-Gradient Polypropylene Filter Cartridge Instruction Manual

Model: WDGD-5005

INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your American Plumber WDGD-5005 Dual-Gradient Polypropylene Filter Cartridge. Please read this manual thoroughly before installation and retain it for future reference. This filter is designed to reduce sediment, dirt, silt, rust, and scale particles from your water supply.

PRODUCT FEATURES AND BENEFITS

- **Dual-Gradient Filtration:** Functions as both a pre-filter and a post-filter within a single cartridge, offering efficient multi-stage filtration.
- **Enhanced Dirt Holding Capacity:** Engineered to hold three times the amount of dirt compared to similar wound cartridges, extending filter life.
- **Micron Rating:** Features a 50-micron pre-filter for larger particles and a 5-micron post-filter for finer sediment removal.
- **Contaminant Reduction:** Effectively reduces extra-fine sand, dirt, silt, rust, and scale particles from your water.
- **Certified Materials:** The WDGD-5005 is tested and certified by NSF International under NSF/ANSI Standard 42 for material requirements only, ensuring product safety and quality.
- **Compatibility:** Designed to fit American Plumber W10-PR and W15-PR whole house filter housings.



Image: Packaging for the American Plumber WDGD-5005 filter cartridge, highlighting its dual-gradient polypropylene construction and sediment reduction capabilities. The packaging also indicates NSF certification for material requirements and compatibility with W10-PR and W15-PR housings.

SAFETY INFORMATION

- Always turn off the main water supply before installing or replacing the filter cartridge.
- Relieve water pressure in the system before opening the filter housing.
- Use appropriate tools for housing removal and tightening to prevent damage or leaks.
- Ensure all connections are secure to prevent leaks.
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- This filter is designed for cold water applications only.

SETUP AND INSTALLATION

This filter cartridge is designed for use in compatible whole house filter housings, such as the American Plumber W10-PR and W15-PR models. Refer to your filter housing's manual for specific instructions on opening and closing the housing.

1. **Turn Off Water Supply:** Locate the main water shut-off valve for your home and turn it off.
2. **Relieve Pressure:** Open a nearby faucet to relieve pressure in the water lines.
3. **Open Filter Housing:** Using the appropriate wrench, unscrew the filter housing sump from the cap.
4. **Remove Old Cartridge:** Carefully remove the old filter cartridge and discard it.
5. **Clean Housing:** Clean the inside of the filter housing sump with warm, soapy water. Rinse thoroughly.
6. **Inspect O-Ring:** Inspect the housing O-ring for any cracks or damage. Replace if necessary. Lubricate the O-ring with a silicone lubricant if recommended by your housing manufacturer.
7. **Insert New Cartridge:** Place the new American Plumber WDGD-5005 filter cartridge into the housing sump. Ensure it is seated properly.
8. **Reassemble Housing:** Screw the housing sump back onto the cap, hand-tightening first, then using the wrench for a snug fit. Do not overtighten.
9. **Restore Water Supply:** Slowly turn on the main water supply.
10. **Check for Leaks:** Monitor the filter housing for any leaks. If leaks occur, turn off the water, relieve pressure, and re-tighten the housing.
11. **Flush System:** Open a nearby cold water faucet and let the water run for several minutes to flush out any air or fine particles from the new filter.

OPERATING INSTRUCTIONS

Once properly installed, the American Plumber WDGD-5005 filter cartridge operates automatically as water flows through your whole house filtration system. It continuously filters sediment and other specified particles from your water supply.

- No special adjustments are required for normal operation.
- Monitor water pressure. A noticeable drop in water pressure may indicate that the filter cartridge is becoming clogged and requires replacement.

MAINTENANCE

Filter Cartridge Replacement

The filter cartridge life varies depending on usage and water conditions, including the amount of sediment in your

water. It is recommended to replace the filter cartridge when you observe a noticeable decrease in water flow or a decline in water quality.

- For optimal performance, replace the filter cartridge every 3 to 6 months, or sooner if water flow significantly diminishes.
- Follow the "Setup and Installation" steps (1-11) to replace the old cartridge with a new American Plumber WDGD-5005 filter.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced Water Flow	Clogged filter cartridge.	Replace the filter cartridge.
Water Leaks from Housing	Improperly seated O-ring, damaged O-ring, or loose housing.	Turn off water, relieve pressure, inspect and reseal/replace O-ring, tighten housing.
Sediment in Filtered Water	Improperly installed cartridge, damaged cartridge, or filter bypass.	Ensure cartridge is seated correctly. Check for damage. Verify no bypass is active. Replace cartridge if damaged.

SPECIFICATIONS

Attribute	Detail
Model Number	WDGD-5005
Brand	AP (American Plumber)
Material	Polypropylene (PP)
Product Dimensions	4"D x 4"W x 10"H
Micron Rating	50-Micron (pre-filter) / 5-Micron (post-filter)
Product Benefits	Removes Impurities, Reduces Sediment, Removes Odor
Compatibility	Fits American Plumber W10-PR and W15-PR housings
Certification	NSF/ANSI Standard 42 for material requirements only
UPC	726714834372

WARRANTY AND SUPPORT

For specific warranty information regarding your American Plumber WDGD-5005 filter cartridge, please refer to the documentation provided with your purchase or contact the retailer or manufacturer directly. Warranty terms typically cover manufacturing defects.

For technical support, replacement parts, or further assistance, please contact American Plumber customer service or your authorized dealer. Contact information can usually be found on the product packaging or the manufacturer's official website.

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