

## KUDP02IRBL1

# Generic Replacement Water Inlet Valve for KitchenAid KUDP02IRBL1 Dishwasher

Model: KUDP02IRBL1 | Part Number: Dishwasherpart#5173069

## INTRODUCTION

This document provides essential information and instructions for the installation and maintenance of the Generic Replacement Water Inlet Valve, designed for compatibility with KitchenAid KUDP02IRBL1 dishwashers. This valve controls the flow of water into the dishwasher during wash cycles. Please read all instructions carefully before proceeding with installation.

## SAFETY INFORMATION

### **WARNING: Risk of Electric Shock and Water Damage.**

- Always disconnect power to the dishwasher at the circuit breaker before attempting any repairs or installation.
- Turn off the water supply to the dishwasher before disconnecting any water lines.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- If you are unsure about any step, consult a qualified appliance repair technician.
- Ensure all connections are secure and leak-free before restoring power and water.

## PACKAGE CONTENTS

- 1 x Water Inlet Valve (Part #5173069)

## SPECIFICATIONS

Manufacturer	Generic
Part Number	Dishwasherpart#5173069
Compatible Model	KitchenAid KUDP02IRBL1
Item Package Quantity	1
ASIN	B0G1L8LLJP

## SETUP AND INSTALLATION

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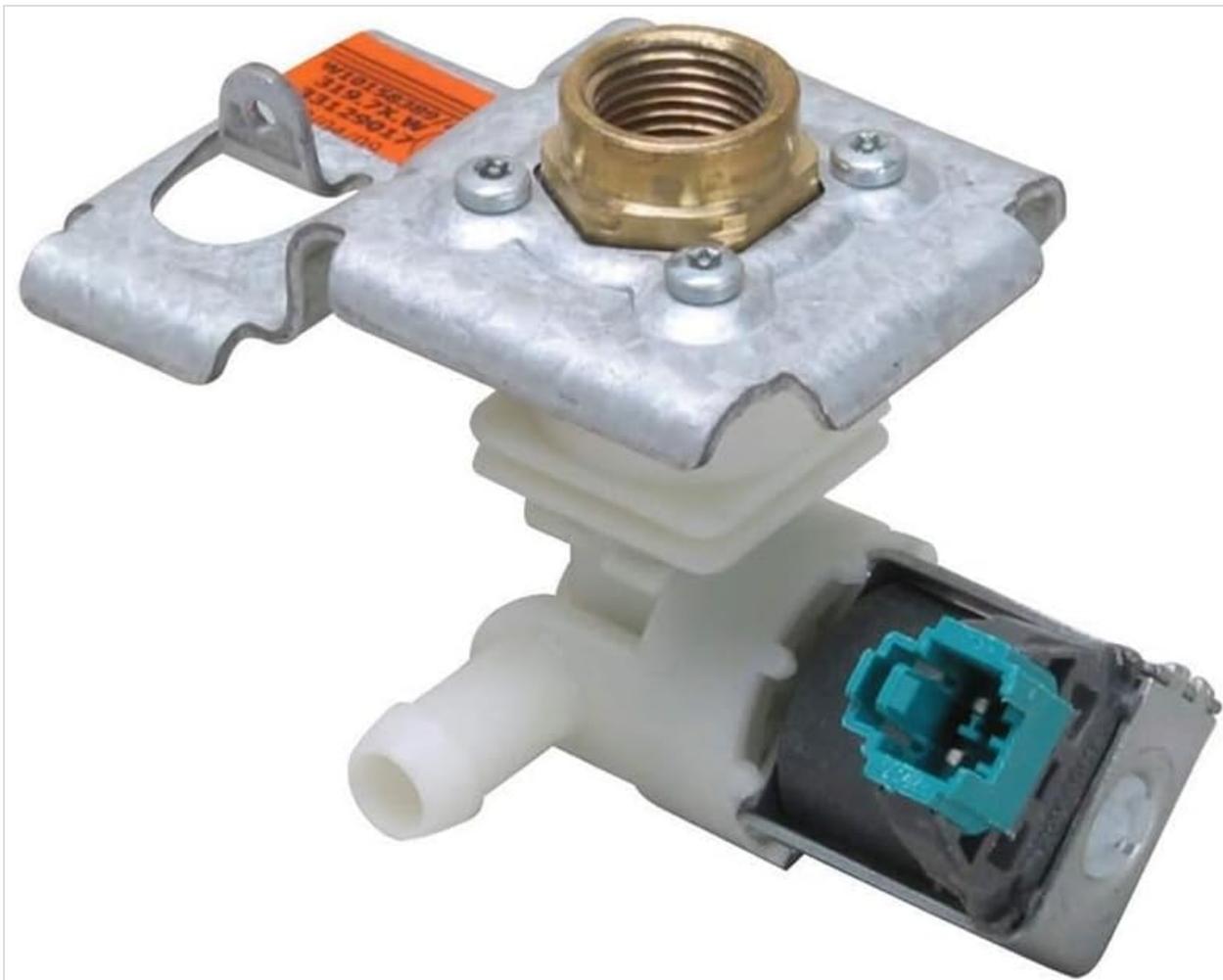
This section outlines the general procedure for replacing a dishwasher water inlet valve. Specific steps may vary depending on your dishwasher model. Always refer to your appliance's original service manual for detailed instructions.

### Pre-Installation Checks:

- Verify that the replacement part matches the original valve in terms of connections and mounting.
- Ensure you have the necessary tools (e.g., screwdrivers, pliers, adjustable wrench, towels).

### Installation Steps:

1. **Disconnect Power and Water:** Turn off the electrical power to the dishwasher at the circuit breaker and shut off the water supply valve to the dishwasher.
2. **Access the Valve:** Depending on your dishwasher model, you may need to remove the lower access panel or pull the dishwasher out from under the counter to access the water inlet valve.
3. **Disconnect Water Line:** Place towels under the valve to catch any residual water. Disconnect the water supply line from the old valve.
4. **Disconnect Electrical Connections:** Carefully disconnect the electrical wiring harness from the old valve's solenoid. Note the orientation if necessary.
5. **Disconnect Outlet Hose:** Disconnect the hose that leads from the valve to the dishwasher tub.
6. **Remove Old Valve:** Unmount the old water inlet valve from its bracket or mounting location.
7. **Install New Valve:** Mount the new water inlet valve in the same position as the old one.
8. **Reconnect Connections:** Reconnect the outlet hose, electrical wiring harness, and water supply line to the new valve. Ensure all connections are tight and secure.
9. **Restore Water and Check for Leaks:** Slowly turn on the water supply valve and check for any leaks around the connections. Tighten if necessary.
10. **Restore Power and Test:** Restore electrical power to the dishwasher. Run a short cycle to confirm proper operation and check for any leaks during the fill cycle.



**Figure 1:** Generic Replacement Water Inlet Valve. This image displays the water inlet valve, showing its brass threaded connection for the water supply, the plastic body, and the electrical solenoid with a blue connector. The metal mounting bracket is visible at the top.

## MAINTENANCE

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The water inlet valve is generally a sealed component and does not require routine maintenance. However, to ensure longevity and proper function of your dishwasher, consider the following:

- **Water Quality:** If you have hard water, mineral deposits can accumulate over time and affect valve performance. Consider a water softener if this is a recurring issue.
- **Inlet Screen:** Some water inlet valves have a small screen filter at the water inlet connection. Periodically check and clean this screen if accessible and if water flow issues are suspected. Ensure water supply is off before checking.
- **Leak Inspection:** Periodically inspect the area around the water inlet valve and hoses for any signs of leaks or moisture. Address any leaks promptly to prevent water damage.

## TROUBLESHOOTING

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If your dishwasher is experiencing issues related to water intake, the water inlet valve may be a factor. Here are some common symptoms and potential causes:

- **No Water Entering Dishwasher:**
  - Check if the water supply valve to the dishwasher is fully open.

- Ensure the dishwasher door is securely latched.
  - Verify that the electrical power to the dishwasher is on.
  - The water inlet valve may be faulty (stuck closed) or the solenoid may not be receiving power.
- **Dishwasher Fills Slowly:**
    - Check for kinks in the water supply line.
    - The inlet screen on the valve may be clogged with sediment.
    - Low water pressure in the household.
    - The valve may be partially obstructed or failing.
- **Dishwasher Overfills or Continuously Fills:**
    - The water inlet valve may be faulty (stuck open) and not shutting off the water supply.
    - A faulty float switch or overflow switch could also be a cause.
- **Water Leaks from Valve Area:**
    - Check all water line connections for tightness.
    - The valve body itself may be cracked or damaged, requiring replacement.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional appliance repair technician.

## COMPATIBILITY

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This replacement part is specifically designed for compatibility with KitchenAid dishwasher model KUDP02IRBL1. Before purchasing and installing, it is crucial to:

- Verify your dishwasher's model number, typically found on a label inside the dishwasher door or on the frame.
- Compare the appearance and connections of this replacement valve with your original valve using the provided images.

Using an incompatible part may lead to improper function or damage to your appliance.

## WARRANTY AND SUPPORT

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As a generic replacement part, warranty coverage is typically provided by the seller at the point of purchase. Please refer to your purchase documentation or contact the seller directly for information regarding warranty terms, returns, or technical support.

For issues related to your KitchenAid dishwasher's overall operation, consult the original appliance manufacturer's manual or their customer support.