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DELTA RP60114

Delta RP60114 Euro-Motion DIAMOND Valve User Manual

Model: RP60114

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Delta RP60114 Euro-Motion DIAMOND Valve. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The Delta RP60114 is a Euro-Motion DIAMOND Valve designed for use in various plumbing fixtures. This valve is a critical component for controlling water flow and temperature in compatible Delta faucets, ensuring reliable and precise operation.



Figure 2.1: Front view of the Delta RP60114 Euro-Motion DIAMOND Valve. This image displays the main body of the valve, which is black, with a metallic stem protruding from the top, and small blue and black pins at the base.

Key Features:

- Euro-Motion DIAMOND Valve technology for enhanced durability and performance.
- Designed as a direct replacement or component for compatible Delta faucets.
- Compact design for easy integration.

3. SAFETY INFORMATION

Always observe the following safety precautions during installation, maintenance, and operation:

- Turn off the main water supply before beginning any work on plumbing fixtures.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- Ensure all connections are secure to prevent leaks.
- If you are unsure about any step, consult a qualified plumber.
- Do not use harsh chemicals or abrasive cleaners on the valve or surrounding components.

4. SETUP AND INSTALLATION

The Delta RP60114 valve is typically installed within a compatible Delta faucet body. The exact installation procedure may vary depending on the specific faucet model. Refer to your faucet's instruction manual for detailed steps. The following are general guidelines:

1. **Prepare the Work Area:** Ensure the water supply to the faucet is turned off. Open the faucet handles to drain any remaining water pressure. Place a towel or bucket under the work area to catch any drips.
2. **Remove Old Valve (if applicable):** Carefully disassemble the faucet handle and trim to access the existing valve. Use appropriate tools to remove the old valve, noting its orientation.
3. **Inspect and Clean:** Clean the valve housing within the faucet body, removing any debris or mineral buildup. Inspect O-rings and gaskets for wear and replace if necessary.
4. **Install New Valve:** Insert the Delta RP60114 valve into the faucet body, ensuring it is correctly seated and oriented according to your faucet's specifications. The valve should fit snugly.
5. **Secure Components:** Reassemble the faucet components, including any retaining nuts, caps, and handles. Tighten connections firmly but do not overtighten.
6. **Test for Leaks:** Slowly turn on the main water supply. Check all connections for leaks. Operate the faucet handle through its full range of motion (hot, cold, mixed) to ensure proper water flow and temperature control.



Figure 4.1: Side view of the Delta RP60114 Euro-Motion DIAMOND Valve. This perspective highlights the cylindrical black body and the metallic stem, showing the overall compact form factor of the valve.

For specific installation diagrams and instructions, always refer to the manual provided with your Delta faucet model.

5. OPERATING INSTRUCTIONS

The Delta RP60114 Euro-Motion DIAMOND Valve operates as an internal component of your faucet. Its function is directly controlled by the faucet handle(s). To operate, simply move the faucet handle(s) as designed by your specific faucet model to control water flow volume and temperature. The DIAMOND Valve technology ensures smooth and precise control.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Delta RP60114 valve and faucet system.

- **Cleaning:** Periodically clean the exterior of your faucet with a soft cloth and mild soap. Avoid abrasive cleaners or chemicals that could damage the finish or internal components.
- **Check for Leaks:** Regularly inspect the area around the faucet and under the sink for any signs of water leaks. Address any leaks promptly to prevent water damage.
- **Water Quality:** In areas with hard water, mineral buildup can affect valve performance over time. If you notice reduced flow or stiffness in the handle, consider professional servicing or a water softener.
- **Component Inspection:** If disassembling the faucet for any reason, inspect the valve and its seals for wear or damage. Replace components as needed with genuine Delta parts.

7. TROUBLESHOOTING

If you encounter issues with your faucet that may be related to the valve, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Leaking Faucet	Worn O-rings or seals within the valve, loose connections.	Turn off water supply, disassemble faucet, inspect and replace O-rings/seals, tighten connections.
Reduced Water Flow	Mineral buildup in the valve or aerator, kinked supply lines.	Clean or replace aerator. If problem persists, the valve may need cleaning or replacement due to internal mineral deposits. Check supply lines for obstructions.
Difficulty Adjusting Temperature/Flow	Valve cartridge issue, debris inside valve.	Disassemble and inspect the valve for debris. If the valve is damaged or worn, it may need replacement.
No Water Flow	Water supply off, severe clog, completely failed valve.	Check water supply. Inspect supply lines for kinks. If valve is completely blocked or broken, replacement is necessary.

If these troubleshooting steps do not resolve the issue, it is recommended to contact Delta customer support or a qualified plumber.

8. SPECIFICATIONS

Model Number	RP60114
Product Type	Faucet Valve (Euro-Motion DIAMOND Valve)
Manufacturer	Brizo (as listed in specifications, note: Delta is the brand)
Material	Plastic
Item Weight	1.59 ounces

Product Dimensions	3.5 x 3.5 x 4 inches
Item Package Quantity	1
Usage	Inside
Included Components	Product Only

9. WARRANTY AND SUPPORT

For information regarding the warranty of your Delta RP60114 Euro-Motion DIAMOND Valve, please refer to the warranty documentation provided with your original Delta faucet purchase or visit the official Delta Faucet website. Delta Faucet stands behind its products with comprehensive warranty coverage.

For technical assistance, replacement parts, or further inquiries, please contact Delta Faucet customer support:

Website: www.deltafaucet.com

Phone: Refer to the Delta Faucet website for regional contact numbers.

When contacting support, please have your product model number (RP60114) and purchase information readily available.