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› Newport Brass 1-594 Rough-In Valve User Manual

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Model: 1-594

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Newport Brass 1-594 Rough-In Valve. The Newport Brass 1-594 is a critical component for your plumbing system, designed to be installed within the wall, providing the necessary connections for your faucet trim. It is constructed from durable brass to ensure long-lasting performance.

Please read these instructions carefully before beginning installation to ensure proper function and to prevent damage.

PRODUCT OVERVIEW



Figure 1: Newport Brass 1-594 Rough-In Valve. This image displays the brass rough-in valve, highlighting its robust construction and the extended stem designed for connection to external faucet trim.

The Newport Brass 1-594 Rough-In Valve is designed to be concealed within the wall, providing the foundational plumbing for your faucet. It features a durable brass construction and is engineered for reliable water flow control. This valve requires a separate faucet trim kit to complete the installation and provide the visible controls and spout.

- Rough-in valve for concealed installation.
- Constructed from high-quality brass.
- Model number: 1-594.
- Requires a separate faucet trim kit for full functionality.

SETUP AND INSTALLATION

Installation of the Newport Brass 1-594 Rough-In Valve should be performed by a qualified plumber or a professional with

experience in plumbing installations. Incorrect installation can lead to leaks, water damage, or improper operation.

Pre-Installation Checklist:

- Ensure all necessary tools and materials are available.
- Verify that the rough-in valve is the correct model (1-594) for your intended faucet trim.
- Confirm water supply lines are shut off at the main valve.
- Inspect the valve for any visible damage prior to installation.

Installation Steps (General Guidelines):

1. **Prepare the Wall Cavity:** Create an appropriately sized opening in the wall to accommodate the valve body, ensuring sufficient space for connections and future access if needed.
2. **Secure the Valve:** Mount the rough-in valve securely to the wall studs or blocking using appropriate fasteners. Ensure the valve is level and at the correct depth relative to the finished wall surface, as specified by the faucet trim manufacturer.
3. **Connect Water Supply Lines:** Connect the hot and cold water supply lines to the designated inlets on the valve. Use appropriate plumbing techniques (e.g., soldering, threading with sealant) to ensure watertight connections.
4. **Connect Outlet Lines:** Connect the outlet lines from the valve to the desired fixtures (e.g., showerhead, tub spout).
5. **Test for Leaks:** Before closing the wall, slowly turn on the main water supply and carefully inspect all connections for leaks. Address any leaks immediately.
6. **Install Faucet Trim:** Once the rough-in valve is securely installed and tested, the wall can be finished. The faucet trim (sold separately) can then be installed according to its specific instructions, connecting to the exposed stem and ports of the rough-in valve.

OPERATING THE VALVE

The Newport Brass 1-594 Rough-In Valve is a foundational component that controls water flow and temperature within your plumbing system. It does not have external controls; its operation is managed by the faucet trim kit installed over it. Once installed, the valve functions by directing water from the supply lines to the faucet trim, which then allows the user to control the flow and temperature of water to the fixture (e.g., shower, tub).

Ensure that the faucet trim is properly installed and maintained to ensure smooth and reliable operation of the entire system.

MAINTENANCE

As a concealed component, the Newport Brass 1-594 Rough-In Valve requires minimal routine maintenance. However, periodic checks of the overall plumbing system are recommended.

General Maintenance Tips:

- **Leak Detection:** Regularly check for any signs of water leaks around the faucet trim or in adjacent wall areas. Address any leaks promptly to prevent water damage.
- **Water Quality:** In areas with hard water, mineral deposits can accumulate over time. While the rough-in valve is less susceptible than external components, maintaining good water quality (e.g., with a water softener) can prolong the life of all plumbing fixtures.
- **Professional Inspection:** Consider having a professional plumber inspect your plumbing system periodically, especially if you notice changes in water pressure or temperature control.

TROUBLESHOOTING

Most issues related to water flow or temperature control are typically associated with the external faucet trim or the water supply itself, rather than the rough-in valve. However, here are some general troubleshooting steps:

- **No Water Flow:**
 - Check if the main water supply to your home or the specific fixture is turned off.
 - Inspect the faucet trim for blockages or issues with its internal cartridge.
- **Low Water Pressure:**
 - Verify if low pressure affects all fixtures or just the one connected to this valve.
 - Check for aerator clogs on the faucet spout.
 - Consider potential issues with the main water supply pressure or sediment buildup in pipes.
- **Leaks:**
 - If leaks are observed around the faucet trim, it may indicate an issue with the trim's seals or connections to the rough-in valve.
 - Leaks from within the wall cavity require immediate attention from a professional plumber.
- **Temperature Control Issues:**
 - This is almost always related to the faucet trim's cartridge or thermostatic mixing components. Refer to the faucet trim's manual.

For persistent issues or concerns regarding the rough-in valve itself, it is highly recommended to contact a certified plumbing professional.

SPECIFICATIONS

Feature	Detail
Brand	Newport Brass
Model Number	1-594
Material	Brass
Item Weight	1 pounds
Product Dimensions (L x W x H)	1 x 1 x 1 inches
Inlet Connection Type	Threaded
Number of Ports	2
Valve Type	Globe Valve
UPC	760724177227

WARRANTY AND SUPPORT

The Newport Brass 1-594 Rough-In Valve comes with a**One Year Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use and service.

For warranty claims, technical support, or further assistance, please contact Newport Brass customer service. It is recommended to have your purchase receipt and product model number (1-594) available when contacting support.

You can find contact information for Newport Brass on their official website or through your authorized dealer.

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