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> Moen 104466 M-Dura Showering 1/2" IPS Connection with Thermostatic Valve Instruction Manual

## Moen 104466

# Moen 104466 M-Dura Showering 1/2" IPS Connection with Thermostatic Valve Instruction Manual

## 1. INTRODUCTION

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Thank you for choosing the Moen 104466 M-Dura Showering 1/2" IPS Connection with Thermostatic Valve. This manual provides essential information for the proper installation, operation, and maintenance of your new valve. Please read these instructions thoroughly before beginning installation or use to ensure safe and efficient performance.

## 2. IMPORTANT SAFETY INFORMATION

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Always adhere to local plumbing and building codes. If you are unsure about any part of the installation process, consult a qualified professional plumber.

- **Water Supply Shut-Off:** Always turn the main water supply OFF before attempting any removal of existing fixtures or disassembling the valve.
- **Relieve Water Pressure:** After shutting off the water supply, open the faucet handle to relieve any residual water pressure in the lines. This ensures a complete water shut-off.
- **Protective Gear:** Wear appropriate personal protective equipment, such as safety glasses and gloves, during installation.
- **Hot Water Safety:** Exercise caution when working with hot water lines.

## 3. PRODUCT OVERVIEW

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The Moen 104466 is a commercial-grade M-Dura showering valve designed for reliable performance. It features a 1/2" IPS connection and thermostatic control for consistent water temperature. This valve is an authentic Moen replacement part, engineered for hassle-free installation and ideal for repairing existing plumbing fixtures.



Figure 1: Moen 104466 M-Dura Showering Thermostatic Valve. This image shows the complete valve assembly, highlighting its robust construction and connection points.

#### Key Features:

- Replacement Commercial M-Dura showering 1/2" IPS connection.
- Authentic Moen replacement part.
- Designed for hassle-free installation.
- Ideal for repairing problematic plumbing fixtures without the need to replace them.

## 4. SETUP AND INSTALLATION

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This section outlines the general steps for installing the Moen 104466 thermostatic valve. Specific installation details may vary based on your existing plumbing configuration. It is recommended to consult a professional plumber for complex installations.

#### Pre-Installation Steps:

1. Ensure the main water supply to the showering area is completely shut off.
2. Open existing shower handles to drain any remaining water and relieve pressure.

3. Clear the work area and gather all necessary tools.

### Installation Procedure:

1. Carefully remove the old valve assembly, if applicable.
2. Prepare the plumbing connections for the 1/2" IPS inlets and outlets.
3. Apply thread sealant or Teflon tape to all threaded connections as required.
4. Connect the hot and cold water supply lines to the corresponding inlets on the Moen 104466 valve. Ensure connections are secure and watertight.
5. Connect the shower outlet line to the valve.
6. Mount the valve securely within the wall cavity according to standard plumbing practices.
7. Once all connections are made, slowly turn the main water supply back on and check for leaks.
8. Test the valve's operation to ensure proper water flow and temperature control.



Figure 2: A detailed view of the Moen 104466 valve, showing its internal components and connection points for installation reference.

## 5. OPERATING INSTRUCTIONS

The Moen 104466 thermostatic valve is designed to provide a consistent water temperature for your

showering experience. Once installed, operate the valve using the trim kit handles (sold separately) according to their specific instructions.

- **Temperature Control:** Adjust the temperature handle to your desired setting. The thermostatic cartridge will automatically mix hot and cold water to maintain this temperature, even if there are pressure fluctuations in your water supply.
- **Flow Control:** Use the flow control handle to turn the water on or off and adjust the water volume.
- **Safety Stop:** Many thermostatic trims include a safety stop to prevent accidental scalding. Refer to your trim kit's manual for details on adjusting this feature.

## 6. MAINTENANCE

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Proper care and maintenance will extend the life and preserve the finish of your Moen 104466 valve and associated fixtures.

### Cleaning and Finish Care:

- To preserve the finish on the metallic parts of your Moen faucet, apply non-abrasive wax, such as car wax.
- Any cleaners should be rinsed off immediately after application.
- Mild abrasives are acceptable on Platinum and LifeShine® finishes, but generally, avoid harsh chemicals or abrasive cleaning pads, which can damage the finish.
- Clean regularly with a soft, damp cloth and mild soap.



Figure 3: Side view of the Moen 104466 valve, illustrating its compact design and accessible surfaces for cleaning and maintenance.

### Cartridge Replacement:

If you experience issues with temperature control or consistent water flow, the thermostatic cartridge may need to be replaced. Refer to Moen's official website or contact customer support for specific cartridge replacement instructions for your model.

## 7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your thermostatic showering valve.

Problem	Possible Cause	Solution
Inconsistent Water Temperature	Thermostatic cartridge issue, unbalanced water pressure, debris in lines.	Check water supply pressure. Clean or replace thermostatic cartridge. Flush water lines.

Problem	Possible Cause	Solution
Low Water Flow	Debris in valve or showerhead, partially closed shut-off valves.	Clean showerhead. Ensure shut-off valves are fully open. Inspect valve for obstructions.
Water Not Shutting Off Completely	Faulty cartridge or worn seals.	Replace the valve cartridge.
Leaks from Valve Body	Loose connections, damaged seals or O-rings.	Tighten connections. Inspect and replace damaged seals or O-rings.

If these troubleshooting steps do not resolve the issue, please contact Moen customer support.

## 8. SPECIFICATIONS

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Detailed specifications for the Moen 104466 M-Dura Showering Valve:

Specification	Detail
Model Number	104466
Brand	Moen
Material	Brass
Connector Type	IPS
Thread Size	1/2"
Valve Type	Cartridge, Thermostatic
Number of Ports	3
Item Dimensions (L x W x H)	4.71 x 4.48 x 1.87 inches
Item Weight	1.52 Pounds
Included Components	Mixing valve
UPC	026508267103

## 9. WARRANTY AND SUPPORT

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### Warranty Information:

The Moen 104466 M-Dura Showering Valve is backed by Moen's **Five-Year Limited Warranty**. This warranty covers defects in material and manufacturing workmanship under normal use and service. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, please visit the official Moen website.

### Customer Support:

For technical assistance, replacement parts, or warranty inquiries, please contact Moen customer service. Contact information can typically be found on the official Moen website or on the product packaging.

**Online Resources:** Visit [www.moen.com](http://www.moen.com) for product registration, FAQs, and additional support documents.

## 10. OFFICIAL PRODUCT VIDEOS

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Explore more about Moen's commitment to water experiences through this official brand video.

Your browser does not support the video tag.

Video 1: Moen Brand Video. This video provides an overview of the Moen brand, its philosophy, and its dedication to water solutions.