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› Moen U140CI M-CORE 4 Port Tub and Shower Mixing Valve Installation and Operation Manual

Moen U140CI

Moen U140CI M-CORE 4 Port Tub and Shower Mixing Valve Installation and Operation Manual

Model: U140CI

INTRODUCTION

The Moen M-CORE valve system is designed for efficient installation and enhanced showering functionality. This manual provides essential information for the proper installation, operation, and maintenance of your Moen U140CI M-CORE 4 Port Tub and Shower Mixing Valve. Adherence to these instructions ensures optimal performance and longevity of the product. Once installed, M-CORE valves, with new 3-Series trim, have pressure-balancing capabilities designed to control temperature fluctuations in the event of water pressure changes in the home. They also feature volume control, allowing you to adjust the flow of water.

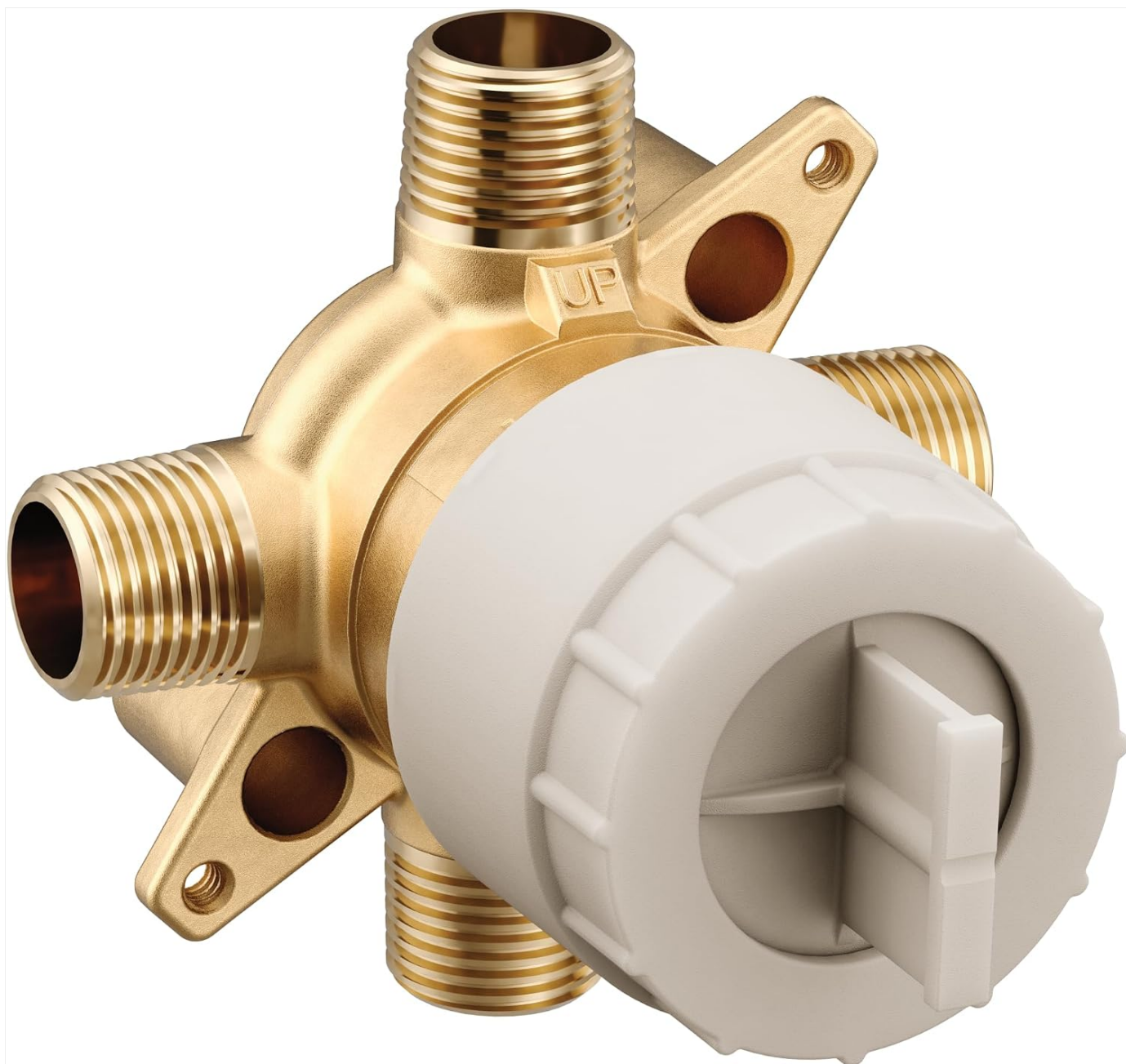


Figure 1: Moen U140CI M-CORE 4 Port Tub and Shower Mixing Valve. This image displays the brass valve body with its threaded connections and the white plastic test cap/cartridge housing.

KEY FEATURES

- **Pressure-Balancing Capability:** M-CORE valves are equipped with pressure-balancing technology to maintain consistent water temperature, minimizing fluctuations caused by changes in household water pressure.
- **Volume Control:** Allows users to adjust the water flow rate for personalized showering experiences.
- **Versatile Design:** M-CORE's adaptable design permits rough-in installation with future options for functionality and style changes without requiring valve removal.
- **Streamlined Installation:** Features an integrated mounting bracket for direct attachment to a brace, simplifying the installation process.
- **Integrated Test Cap:** Includes a precise temperature limit stop adjustment and a test cap for easy system flushing and testing without cartridge removal.
- **Multiple Plumbing Options:** Available with various inlet and outlet plumbing options, including CC/IPS connections for the U140CI model.

SETUP AND INSTALLATION

Proper installation is crucial for the performance of your Moen M-CORE valve. It is recommended that installation be performed by a qualified professional.

Pre-Installation Steps:

1. Ensure all necessary tools and components are available. Refer to the packaging for a complete list.
2. Turn off the main water supply to the installation area.
3. Review local plumbing codes to ensure compliance.

Mounting the Valve:

The U140CI valve features an integrated mounting bracket. Secure the valve directly to a sturdy brace or framing within the wall cavity. Ensure the "UP" marking on the valve body is oriented correctly.



Figure 2: M-CORE valve body secured to a wooden brace within a wall opening, ready for plumbing connections.

Plumbing Connections:

The U140CI model utilizes CC/IPS connections. Connect the hot and cold water supply lines to the designated inlets and the showerhead and tub spout lines to their respective outlets. Ensure all connections are watertight according to standard plumbing practices.

Integrated Test Cap and Flushing:

Before installing the final trim, the integrated test cap allows for flushing the system and pressure testing without the need to install the cartridge. This helps remove debris from the lines and verify leak-free connections.



Figure 3: A hand holding the M-CORE cartridge, preparing to insert it into the valve body. This step follows flushing and testing with the integrated test cap.

Temperature Limit Stop Adjustment:

The integrated test cap also facilitates the adjustment of the temperature limit stop. This feature allows you to set the maximum hot water temperature to prevent scalding. Consult the detailed instructions provided with your trim kit for specific adjustment procedures.

OPERATION

Once the valve and trim are installed, operating the Moen U140CI M-CORE valve is straightforward.

Temperature Control:

The M-CORE valve's pressure-balancing mechanism automatically adjusts to maintain your desired water temperature, even if other water sources in your home are used simultaneously. Rotate the temperature handle (part of your chosen trim kit) to select the desired water temperature.

Volume Control:

The volume control feature allows you to adjust the intensity of the water flow. This is typically controlled by a separate handle or a function of the main handle on your trim kit. Refer to your specific trim kit's instructions for details on volume adjustment.

MAINTENANCE

Regular maintenance helps ensure the long-term performance and appearance of your Moen M-CORE valve and associated trim.

- **Cleaning:** Clean the visible trim components regularly with a soft cloth and mild soap. Avoid abrasive cleaners, harsh chemicals, or scouring pads, as these can damage the finish.
- **Leak Checks:** Periodically inspect for any signs of leaks around the trim or behind the wall if accessible. Address any leaks promptly to prevent water damage.
- **Cartridge Replacement:** While designed for durability, the internal cartridge may eventually require replacement due to wear or mineral buildup. If you experience persistent temperature fluctuations or reduced flow, consult a qualified plumber or Moen customer support.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Moen M-CORE valve.

- **Inconsistent Water Temperature:**
 - Verify that the temperature limit stop is set correctly.
 - Check for adequate hot and cold water supply pressure.
 - The pressure-balancing cartridge may need inspection or replacement if the issue persists.
- **Low Water Flow:**
 - Ensure the volume control is fully open.
 - Check for blockages in the showerhead or tub spout.
 - Mineral buildup in the cartridge can restrict flow; consider cartridge cleaning or replacement.
- **Leaking:**
 - Leaks from the trim typically indicate an issue with the cartridge or O-rings.
 - Leaks from behind the wall suggest improper plumbing connections during installation. Immediate professional attention is required.

For issues not resolved by these steps, contact Moen customer support or a certified plumber.

SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	U140CI
Brand	Moen
Material	Brass
Number of Ports	4
Inlet Connection Type	Threaded
Outlet Connection Type	CC/IPS
Item Dimensions (L x W x H)	3 x 3.63 x 3.63 inches
Item Weight	1.14 pounds
Included Components	Valve, Test Cap
Manufacturer	Moen Incorporated
UPC	026508319451

M-CORE Valve Options Comparison (U130 vs U140 Series)



Figure 4: A comparison table detailing features of Moen M-CORE U130 and U140 series mixing valves, including number of ports and available connection types. The U140 series, which includes this model, offers 4 ports and a wider range of connection options.

WARRANTY AND SUPPORT

Your Moen U140CI M-CORE valve is backed by Moen's Limited Lifetime Warranty. This warranty covers defects in material and manufacturing for the original consumer purchaser.

For detailed warranty information, technical assistance, or to order replacement parts, please visit the official Moen website or contact Moen customer service directly. Keep your proof of purchase for warranty claims.

Moen Customer Support: Refer to your product packaging or the Moen website for current contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question