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› [KOHLER K-303-K-NA Widespread 1/2-Inch Ceramic In-Wall Three-Handle Valve System User Manual](#)

Kohler K-303-K-NA

KOHLER K-303-K-NA Widespread 1/2-Inch Ceramic In-Wall Three-Handle Valve System

Model: K-303-K-NA | Brand: Kohler

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your KOHLER K-303-K-NA Widespread 1/2-Inch Ceramic In-Wall Three-Handle Valve System. This valve system is designed for in-wall installation with 8-inch centers, featuring durable brass construction and ceramic valving for reliable performance.

Key features include:

- One-piece ceramic valve construction resists debris and hard water buildup.
- Ergonomic handle rotation provides on/off water control with only a quarter turn.
- Designed for 8-inch (203 mm) centers.
- Features 1/2-inch quarter-turn washerless ceramic disc valves.
- Includes an integral diverter mechanism.
- Solid brass valve bodies ensure years of reliable performance.



Image 1.1: The KOHLER K-303-K-NA Widespread 1/2-Inch Ceramic In-Wall Three-Handle Valve System.

2. SAFETY INFORMATION

Please read all instructions carefully before installation and use. Failure to follow these instructions may result in property damage or personal injury.

- Always turn off the main water supply before beginning any plumbing work.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- If you are unsure about any part of the installation process, consult a qualified plumber.
- Ensure all connections are secure and leak-free before restoring water supply.
- This product is designed for specific applications. Do not modify or use for purposes other than intended.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- KOHLER K-303-K-NA Widespread 1/2-Inch Ceramic In-Wall Three-Handle Valve System (main assembly)
- Installation Hardware (e.g., mounting brackets, screws, seals)
- Instruction Manual (this document)

Note: Trim kit (handles, spout, escutcheons) is sold separately.

4. SETUP & INSTALLATION

Professional installation is recommended for this in-wall valve system. Ensure compliance with all local plumbing and building codes.

4.1 Pre-Installation Steps

1. **Turn off Water Supply:** Locate and turn off the main water supply to the installation area.
2. **Prepare Wall Opening:** Create an appropriate opening in the wall for the valve body. The valve system is designed for 8-inch (203 mm) centers for the hot, cold, and diverter handles.

3. **Inspect Components:** Verify all valve components are free from damage.

4.2 Valve Body Installation

1. **Mount Valve Body:** Secure the brass valve body assembly within the wall opening using appropriate mounting hardware. Ensure it is level and at the correct depth relative to the finished wall surface.
2. **Connect Water Lines:** Connect the hot and cold water supply lines to the designated inlets on the valve body. The valve uses 1/2-inch connections. Ensure all connections are tight and sealed to prevent leaks.
3. **Connect Outlet Lines:** Connect the outlet lines to the showerhead and tub spout as required. The integral diverter mechanism directs water flow.
4. **Rough-in Test:** Before closing the wall, turn on the main water supply and carefully check all connections for leaks. Address any leaks immediately.

4.3 Trim Kit Installation (Sold Separately)

Once the wall is finished, install the decorative trim kit (handles, escutcheons, and spout) according to the instructions provided with your specific trim kit model. Ensure handles are properly aligned with the quarter-turn ceramic disc valves.

5. OPERATING INSTRUCTIONS

The KOHLER K-303-K-NA valve system features three handles for precise control of water temperature and flow direction.

5.1 Water Flow and Temperature Control

- **Hot Water Handle:** Typically on the left, rotate this handle a quarter turn to control the hot water flow.
- **Cold Water Handle:** Typically on the right, rotate this handle a quarter turn to control the cold water flow.
- Adjust both hot and cold handles to achieve the desired water temperature and flow rate. The quarter-turn design allows for quick and easy adjustments.

5.2 Diverter Operation

- **Diverter Handle:** The central handle operates the integral diverter.
- To direct water to the tub spout, ensure the diverter handle is in the default (pushed-in) position.
- To direct water to the showerhead, pull the diverter handle outwards.
- The diverter is designed to return to the tub spout position when the water is turned off.

6. MAINTENANCE

The KOHLER K-303-K-NA valve system is designed for durability and minimal maintenance, thanks to its solid brass construction and ceramic disc valves.

- **Cleaning:** Clean the visible parts of the valve system (trim kit) regularly with a soft, damp cloth. Avoid abrasive cleaners, harsh chemicals, or scouring pads, as these can damage the finish.
- **Ceramic Valves:** The one-piece ceramic valves are resistant to debris and hard water buildup, reducing the need for frequent internal maintenance.
- **Leak Inspection:** Periodically check for any signs of leaks around the handles or spout. Address any leaks promptly to prevent water damage.

7. TROUBLESHOOTING

If you encounter issues with your valve system, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Water leaks from handles or spout.	Loose connections, damaged O-rings or seals, worn ceramic disc.	Turn off water supply. Check and tighten connections. Inspect and replace O-rings or ceramic discs if damaged.
Low water flow.	Partially closed supply valves, clogged aerator (if applicable), debris in valve.	Ensure supply valves are fully open. Clean or replace aerator. Flush lines to clear debris.
Diverter not switching properly (e.g., water still flows from tub spout when shower is engaged).	Debris in diverter mechanism, worn diverter seal.	Turn off water supply. Inspect diverter mechanism for obstructions. If necessary, replace diverter components.
Handles are stiff or difficult to turn.	Mineral buildup, lack of lubrication.	Turn off water supply. Remove handles and clean any mineral buildup. Apply a silicone-based plumber's grease to moving parts if accessible.

If these steps do not resolve the issue, contact Kohler customer support or a qualified plumber.

8. SPECIFICATIONS

Feature	Specification
Model Number	K-303-K-NA
Brand	Kohler
Mounting Type	In-wall, Wall
Number of Handles	3
Handle Location	8-inch Centers
Material	Brass valve bodies, Ceramic disc valves
Connection Size	1/2-inch
Maximum Flow Rate	10 Gallons Per Minute
Product Dimensions	3"D x 10"W x 4"H (Valve Body)
Item Weight	1 Pounds
Special Feature	Water Saving, Integral Diverter

Feature	Specification
UPC	040688612973

9. WARRANTY INFORMATION

This KOHLER K-303-K-NA Widespread 1/2-Inch Ceramic In-Wall Three-Handle Valve System is covered by the **KOHLER Faucet Lifetime Limited Warranty**.

For full details regarding warranty coverage, terms, and conditions, please refer to the official Kohler warranty documentation or visit the Kohler website. Keep your proof of purchase for warranty claims.

10. SUPPORT & CONTACT

For technical assistance, replacement parts, or further information, please contact Kohler customer support:

- **Website:** Visit the official Kohler website for support resources, FAQs, and contact forms.
- **Phone:** Refer to the Kohler website or product packaging for regional customer service phone numbers.
- **Professional Assistance:** If you require professional installation or repair, consult a certified plumber.