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## KOHLER P8304-IPX-NA

# Kohler P8304-IPX-NA Rite-Temp Valve Installation and User Manual

Model: P8304-IPX-NA

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of the KOHLER P8304-IPX-NA Rite-Temp valve body and pressure-balance cartridge kit. The Rite-Temp valve system is designed for ease of installation, application versatility, and long-term reliability, offering anti-scald protection and precise temperature control for an enhanced showering experience.

## IMPORTANT SAFETY INFORMATION

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- Always turn off the main water supply before beginning any plumbing work.
- Wear appropriate personal protective equipment, including 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 intended for use with potable water systems only.

## PACKAGE CONTENTS

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The KOHLER P8304-IPX-NA kit includes the following components:

- Valve body
- Pressure-balance cartridge
- Rough-in guide
- Mudguard

*Note: This is a project pack, supplied 12 per case. Individual components are not sold separately.*

## SETUP AND INSTALLATION

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Proper installation is crucial for the optimal performance of your Rite-Temp valve. Refer to the included rough-in guide for detailed dimensions and specific installation requirements.

## 1. Prepare the Installation Area

1. Turn off the main water supply.
2. Clear the wall cavity or shower enclosure area where the valve will be installed.
3. Ensure adequate access for plumbing connections and future maintenance.

## 2. Install the Valve Body

The valve body features ½" Female NPT inlets and outlets. Connect the hot and cold water supply lines to the appropriate inlets and the shower outlet line to the top outlet. Use thread sealant or PTFE tape on all threaded connections to prevent leaks.

Mount the valve body securely to the framing using appropriate fasteners, ensuring it is plumb and at the correct depth according to the rough-in guide. The mudguard can be used to protect the valve during wall finishing.



*Image: The Kohler P8304-IPX-NA Rite-Temp valve body, showing the female NPT connections for hot, cold, and mixed water outlets. This component is central to the shower system, providing anti-scald protection.*

## 3. Install the Pressure-Balance Cartridge

Once the valve body is installed and secured, insert the pressure-balance cartridge into the valve body. Ensure it is seated correctly and secured with the retaining nut or clip as specified in the rough-in guide. This cartridge is essential for maintaining consistent water temperature and preventing sudden temperature changes.

## 4. Test for Leaks

Before closing the wall, slowly turn on the main water supply and carefully inspect all connections for any signs of leaks. Address any leaks immediately by tightening connections or reapplying thread sealant.

## 5. Select and Install Trim

After the valve body and cartridge are installed and tested, you can select and install your desired KOHLER Rite-Temp trim kit (sold separately). Follow the instructions provided with your chosen trim kit for proper installation.

## OPERATING INSTRUCTIONS

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The KOHLER Rite-Temp valve system is designed for simple operation and consistent performance.

- **Temperature Control:** The pressure-balance cartridge automatically adjusts the hot and cold water mix to maintain your desired temperature, even if there are pressure fluctuations in your water supply.
- **Anti-Scald Protection:** This feature prevents sudden increases in water temperature, protecting users from scalding.
- **Flow Control:** The valve, in conjunction with your chosen trim, controls the water flow to the showerhead or other outlets.

Refer to your specific KOHLER Rite-Temp trim kit manual for detailed instructions on operating the handle and diverter functions.

## MAINTENANCE

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Regular maintenance helps ensure the longevity and optimal performance of your KOHLER Rite-Temp valve.

- **Cleaning:** Clean the visible parts of the valve and trim with a soft, damp cloth. Avoid abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and internal components.
- **Cartridge Inspection:** If you experience consistent temperature fluctuations or reduced flow, the pressure-balance cartridge may need inspection or replacement. Consult a qualified plumber for this service.
- **Winterization:** In areas prone to freezing temperatures, ensure all plumbing lines, including the valve, are properly insulated or drained to prevent freeze damage.

## TROUBLESHOOTING

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If you encounter issues with your Rite-Temp valve, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
<b>Inconsistent Water Temperature</b>	Pressure fluctuations in hot or cold supply; debris in cartridge; faulty cartridge.	Check water supply pressure. Clean or replace the pressure-balance cartridge.
<b>Low Water Flow</b>	Debris in cartridge or supply lines; partially closed shut-off valves; clogged showerhead.	Inspect and clean the cartridge. Ensure shut-off valves are fully open. Clean or replace showerhead.
<b>Leaking from Valve Body</b>	Loose connections; damaged seals or O-rings; cracked valve body.	Tighten connections. Inspect and replace seals/O-rings. If valve body is cracked, it requires replacement.
<b>No Hot or Cold Water</b>	Supply line shut off; issue with water heater (for hot water); clogged inlet.	Verify hot/cold water supply is on. Check water heater. Inspect valve inlets for obstructions.

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

## SPECIFICATIONS

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Feature	Detail
<b>Model Number</b>	P8304-IPX-NA

Feature	Detail
Connections	½" Female NPT Inlets & Outlets
Valve Type	Rite-Temp Pressure-Balance
Included Components	Valve body, pressure-balance cartridge, rough-in guide, mudguard
Item Weight	1.1 pounds
Product Dimensions	17.25 x 12.25 x 13.88 inches
Manufacturer	Kohler
Date First Available	November 9, 2018

## WARRANTY INFORMATION

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KOHLER products are manufactured to high-quality standards and are backed by a manufacturer's warranty. For specific details regarding the warranty coverage for the P8304-IPX-NA Rite-Temp valve, please refer to the official KOHLER website or contact KOHLER customer service directly. Keep your proof of purchase for warranty claims.

## CUSTOMER SUPPORT

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For further assistance, technical support, or to purchase replacement parts, please visit the official KOHLER website or contact their customer service department. You can find contact information and support resources on the [KOHLER Support Page](#).