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› [Danco](#) /

› [DANCO Single-Function Pressure-Balance Temperature Control Hot and Cold Water Cartridge for Delta Monitor - Instruction Manual](#)

### Danco 10664

# DANCO Single-Function Pressure-Balance Temperature Control Cartridge

Model: 10664 | Brand: Danco

## PRODUCT OVERVIEW

The DANCO Single-Function Pressure-Balance Temperature Control Cartridge (Model 10664) is designed as a direct replacement for Delta Monitor 13/14 Series faucets (equivalent to Delta OEM #RP46074). This cartridge is essential for controlling both hot and cold water flow and maintaining a consistent, safe water temperature, preventing sudden temperature changes due to pressure fluctuations. It offers an effective and economical solution for repairing leaky faucets without needing to replace the entire fixture.

This product features a durable plastic construction and is compliant with the Reduction of Lead in Drinking Water Act.

## SETUP AND INSTALLATION

Before beginning installation, ensure you have the necessary tools: adjustable wrench, Phillips head screwdriver, flathead screwdriver, and silicone grease (optional, but recommended for seals).

### Safety Precautions:

- Always turn off the main water supply to your home or the specific bathroom before starting any plumbing work.
- Cover the drain to prevent small parts from falling into it.

### Installation Steps:

1. **Remove Faucet Handle:** Locate and remove the screw (often hidden under a decorative cap) that secures the faucet handle. Pull the handle off.
2. **Remove Trim and Sleeve:** Carefully remove any decorative trim, escutcheon, or sleeve covering the valve body. This may involve unscrewing additional screws.
3. **Remove Retaining Nut/Bonnet Nut:** Use an adjustable wrench to loosen and remove the large

retaining nut (also known as the bonnet nut) that holds the cartridge in place within the valve body.

4. **Extract Old Cartridge:** Gently pull the old cartridge straight out of the valve body. It may require some wiggling or a pair of channel lock pliers if it's stuck due to mineral buildup. Note its orientation for proper installation of the new cartridge.
5. **Prepare New Cartridge:** Apply a thin layer of silicone grease to the rubber O-rings on the new DANCO cartridge to ensure a smooth fit and better seal.
6. **Insert New Cartridge:** Align the new cartridge with the notches or alignment tabs inside the valve body. Push it firmly into place. Ensure it is fully seated. If it doesn't go all the way in by hand, the retaining nut will help push it in when tightened.
7. **Secure Cartridge:** Reinstall and hand-tighten the retaining nut over the cartridge. Then, use an adjustable wrench to tighten it securely, but do not overtighten.
8. **Reassemble Faucet:** Replace the sleeve, trim, and faucet handle in reverse order of removal. Secure the handle screw.
9. **Restore Water Supply:** Slowly turn the main water supply back on.
10. **Test Faucet:** Check for leaks and proper hot/cold water flow and temperature control.





Figure 1: Front view of the DANCO cartridge, showing its overall structure and connection points.



Figure 2: Top view of the cartridge, indicating 'HOTTER' and 'COLDER' settings for temperature adjustment and proper orientation during installation.

## OPERATING INSTRUCTIONS

This cartridge provides single-function pressure-balance temperature control. Once installed, the faucet handle will allow you to control both water flow and temperature. Rotating the handle typically adjusts the temperature from cold to hot, while pulling it out or pushing it in controls the water volume.

**Temperature Limit Stop:** Your faucet's valve body may have an adjustable temperature limit stop. If the maximum hot water temperature is too low or too high after installation, consult your faucet's original manual or a plumbing guide for instructions on how to adjust this limit stop. This adjustment is usually made on the valve body itself, not the cartridge, and prevents scalding by limiting the maximum hot water output.

## MAINTENANCE

To ensure the longevity and optimal performance of your DANCO cartridge, consider the following maintenance tips:

- **Regular Cleaning:** Periodically clean the exterior of your faucet. Avoid harsh abrasive cleaners that

can damage the finish.

- **Check for Leaks:** Regularly inspect your faucet for any signs of dripping or leaks. Addressing minor leaks promptly can prevent larger issues.
- **Lubrication:** If you notice the handle becoming stiff or difficult to turn, it may indicate that the O-rings on the cartridge need re-lubrication. Turn off the water supply, remove the cartridge as per installation steps, apply fresh silicone grease to the O-rings, and reinstall.
- **Water Quality:** In areas with hard water, mineral deposits can build up on internal components. If flow or temperature control is affected, the cartridge may need to be removed and cleaned of mineral buildup.

## TROUBLESHOOTING

If you encounter issues with your faucet after installing the DANCO cartridge, refer to the common problems and solutions below:

Problem	Possible Cause	Solution
Faucet is dripping or leaking	<ul style="list-style-type: none"><li>• Cartridge not fully seated</li><li>• Damaged O-rings or seals</li><li>• Debris in the cartridge</li></ul>	<ul style="list-style-type: none"><li>• Ensure cartridge is pushed all the way in and retaining nut is tight.</li><li>• Inspect O-rings for damage; replace if necessary. Apply silicone grease.</li><li>• Remove and clean the cartridge to clear any debris.</li></ul>
No hot or cold water	<ul style="list-style-type: none"><li>• Water supply valves are off</li><li>• Cartridge installed incorrectly (e.g., reversed)</li><li>• Blocked water lines</li></ul>	<ul style="list-style-type: none"><li>• Check that hot and cold water supply valves are fully open.</li><li>• Verify cartridge orientation (refer to Figure 2).</li><li>• Inspect water lines for clogs or kinks.</li></ul>
Low water pressure	<ul style="list-style-type: none"><li>• Aerator is clogged</li><li>• Partially closed supply valves</li><li>• Debris in the cartridge</li></ul>	<ul style="list-style-type: none"><li>• Remove and clean the faucet aerator.</li><li>• Ensure water supply valves are fully open.</li><li>• Remove and clean the cartridge.</li></ul>
Temperature is too hot/cold or inconsistent	<ul style="list-style-type: none"><li>• Temperature limit stop needs adjustment</li><li>• Pressure imbalance</li></ul>	<ul style="list-style-type: none"><li>• Adjust the temperature limit stop on the faucet valve body (consult your faucet's manual).</li><li>• Ensure both hot and cold water supplies have adequate and balanced pressure.</li></ul>

## SPECIFICATIONS

Attribute	Detail
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Attribute	Detail
Brand	Danco
Model Number	10664
Part Number	9D00010664
Material	Plastic
Color	White
Item Weight	2.82 ounces
Product Dimensions (L x W x H)	2.1 x 2.6 x 7.5 inches
Valve Type	Cartridge (Pressure-Balance)
Number of Handles Supported	1 (Single-Function)
Inlet Connection Size	1.91 Inches
Outlet Connection Size	1.91 Inches
Included Components	(1) cartridge
Compatibility	Delta Monitor 13/14 Series (Replaces Delta OEM #RP46074)

## WARRANTY AND SUPPORT

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This DANCO cartridge comes with a **Limited 1 Year Warranty** from the manufacturer. For specific warranty claims or detailed support, please contact Danco customer service directly.

For additional information or a printable version of the user guide, you may refer to the official PDF document: [DANCO User Guide \(PDF\)](#).