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NuFlush 606582757570

NuFlush Replacement Flush Valve Instruction Manual

For Kohler Santa Rosa One-Piece Toilet Models K-3810, K-3811, K-10491-0

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the NuFlush Replacement Flush Valve. This product is specifically designed as a direct replacement for Kohler Part #1216612 and is compatible with Kohler Santa Rosa one-piece toilet models K-3810, K-3811, and K-10491-0. It features a 3.07-inch flush hole and a 10-inch tall overflow tube. Constructed from heavy-duty, corrosion-resistant Acrylonitrile Butadiene Styrene (ABS) material, this flush valve ensures reliable performance. Please note that this valve is not a universal fit and is intended only for compatible Kohler one-piece toilets with a triangle connection.

Upgrade for Kohler 1216612 Flush Valve



Figure 1: NuFlush replacement flush valve (left) shown alongside the original Kohler flush valve (right) it is designed to replace. An arrow indicates the NuFlush valve as an upgrade or replacement for the Kohler 1216612 part.

SETUP AND INSTALLATION

The NuFlush Replacement Flush Valve kit includes the flush valve assembly, a new gasket, and a flapper. Follow these steps for proper installation:

1. **Turn Off Water Supply:** Locate the water supply valve behind the toilet and turn it clockwise until the water flow stops completely.
2. **Empty Toilet Tank:** Flush the toilet to drain most of the water from the tank. Use a sponge or towel to remove any remaining water.
3. **Disconnect Supply Line:** Disconnect the water supply line from the bottom of the toilet tank.
4. **Remove Old Flush Valve:** Unscrew the nuts holding the toilet tank to the bowl (if applicable) and carefully lift the tank off. Remove the old flush valve by unscrewing its retaining nut from underneath the tank.
5. **Clean Tank Surface:** Thoroughly clean the area where the flush valve sits to ensure a proper seal with the new gasket.
6. **Install New Gasket and Flush Valve:** Place the new gasket onto the base of the NuFlush replacement flush

valve. Insert the flush valve into the tank opening from the inside, ensuring the triangle connection aligns correctly. Secure it from underneath the tank with the retaining nut, tightening it firmly but without overtightening.

7. **Reassemble Tank and Reconnect Supply Line:** Carefully place the toilet tank back onto the bowl, aligning the bolt holes. Secure the tank with the nuts, tightening them evenly. Reconnect the water supply line to the fill valve.
8. **Restore Water Supply and Check for Leaks:** Slowly turn the water supply valve counter-clockwise to refill the tank. Inspect all connections for any leaks.
9. **Adjust Flapper Chain:** Attach the flapper chain to the flush lever. Ensure there is a small amount of slack (approximately 1/2 inch) in the chain when the flapper is closed to allow for proper sealing and full opening during a flush.



Figure 2: The base of the NuFlush replacement flush valve, highlighting its 3.07-inch (78mm) diameter, which is critical for compatibility with specific Kohler models.

Installation Video Guide

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Video 1: An instructional video demonstrating the upgrade or replacement process for a Kohler flush valve, similar to the NuFlush product. This video provides visual guidance for installation steps.

OPERATING INSTRUCTIONS

The NuFlush Replacement Flush Valve operates in conjunction with your toilet's flush lever. When the flush lever is pressed, it lifts the flapper, allowing water from the tank to flow into the toilet bowl, initiating the flush cycle. Once the tank is sufficiently empty, the flapper closes, and the tank begins to refill.

- Ensure the flapper chain is connected to the flush lever and has enough slack to allow the flapper to seat properly when closed, preventing continuous running.
- Verify that the flapper opens fully when the lever is pressed to ensure an effective flush.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your NuFlush Replacement Flush Valve:

- **Inspect Flapper and Gasket:** Periodically check the flapper and the main tank-to-bowl gasket for signs of wear, cracking, or deterioration. Worn components can lead to leaks or inefficient flushing.
- **Clean Components:** Over time, mineral deposits or debris can accumulate on the flush valve components. Clean these parts as needed using a non-abrasive cleaner and a soft brush.
- **Replace Worn Parts:** If the flapper or gasket shows significant wear, replace them promptly with compatible NuFlush or equivalent parts to maintain proper function.

TROUBLESHOOTING

If you encounter issues with your NuFlush Replacement Flush Valve, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Toilet runs continuously	Flapper not sealing properly, chain too short, or fill valve issue.	Check flapper for debris or wear. Adjust flapper chain to ensure proper slack. Inspect fill valve for proper shut-off.
Weak or incomplete flush	Flapper not opening fully, low water level, or obstruction.	Ensure flapper chain allows full opening. Verify water level in tank is at the recommended line. Check for any obstructions in the flush valve or bowl.
Leakage from tank base	Improperly seated gasket or damaged gasket.	Turn off water, drain tank, and re-seat the gasket. If damaged, replace the gasket. Ensure retaining nut is tightened correctly.
Valve does not fit	Incorrect toilet model or connection type.	Verify your toilet is a Kohler Santa Rosa one-piece model K-3810, K-3811, or K-10491-0. Confirm the connection type is triangle with a 3.07-inch diameter. This valve is not universal.

SPECIFICATIONS

Brand: NuFlush

Model Number: 606582757570

Material: Acrylonitrile Butadiene Styrene (ABS)

Item Dimensions (L x W x H): 11 x 5 x 5 inches

Inlet Connection Size: 3.07 Inches

Inlet Connection Type: Triangle

Outlet Connection Type: Triangle

Number of Ports: 2

Outlet Connection Size: 3.07 Inches

Number of Pieces: 3 (Flush Valve, Gasket, Flapper)

Valve Type: Flush Valve

Compatibility: Kohler Santa Rosa One-Piece Models K-3810, K-3811, K-10491-0 (Replaces Kohler Part #1216612)

WARRANTY INFORMATION

Specific warranty details for the NuFlush Replacement Flush Valve are not provided in this manual. For comprehensive warranty information, including terms, conditions, and duration, please refer to the official NuFlush website or contact NuFlush customer support directly.

CUSTOMER SUPPORT

For technical assistance, inquiries regarding replacement parts, or any other support needs related to your NuFlush Replacement Flush Valve, please contact the manufacturer:

Manufacturer: NuFlush

Website: Please visit the official NuFlush website for contact information and support resources.

When contacting support, please have your product model number (606582757570) and details of your issue readily available.

ASK A QUESTION ABOUT THIS MANUAL

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