

NuFlush TSU99A.X

NuFlush TOTO TSU99A.X Toilet Fill Valve Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the NuFlush TOTO TSU99A.X Toilet Fill Valve. This product is designed to replace existing fill valves in TOTO toilets, ensuring efficient and proper water refilling after flushing. It is compatible with both 1 and 2-piece toilets that feature a bottom water feed and a standard 7/8-inch pipe connection.

2. PRODUCT FEATURES

- **Compatibility:** Replaces TOTO TSU99A.X and TSU53A fill valves.
- **Universal Fit:** Suitable for both 1 and 2-piece toilets with a bottom water feed and a 7/8-inch pipe connection.
- **Adjustable Water Height:** Allows for precise control of the water level in the toilet tank, typically adjustable from 8 to 12 inches.
- **Screened Filter:** Features a detachable filter for easy cleaning, preventing debris from entering the valve.
- **Quiet and Fast Fill:** Engineered for efficient and quiet operation.
- **Durable Construction:** Made with a High Impact ABS Stem and corrosion-resistant materials for longevity.
- **Anti-Siphon Design:** Prevents backflow of tank water into the fresh water supply.

3. SETUP AND INSTALLATION

Follow these steps to install your NuFlush TOTO TSU99A.X Toilet Fill Valve. Ensure the water supply to the toilet is turned off before beginning.

1. **Turn Off Water Supply:** Locate the shut-off valve at the base of 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 Old Fill Valve:** Disconnect the water supply line from the bottom of the old fill valve. Unscrew the mounting nut from underneath the tank and remove the old fill valve.
4. **Install New Fill Valve:** Insert the new NuFlush fill valve into the hole at the bottom of the toilet tank. Ensure the rubber washer is correctly seated inside the tank.
5. **Secure the Valve:** From underneath the tank, hand-tighten the mounting nut onto the threaded shank of the fill valve. Do not overtighten, as this can damage the tank.
6. **Connect Water Supply:** Reconnect the water supply line to the bottom of the new fill valve. Hand-tighten, then use a wrench for a final quarter-turn to ensure a snug, leak-free connection.
7. **Restore Water Supply:** Slowly turn the water shut-off valve counter-clockwise to restore water flow to the toilet tank. Check for any leaks around the connections.
8. **Adjust Water Level:** Allow the tank to fill. Refer to the 'Operating Instructions' section for details on adjusting the water level.



Image: The NuFlush TOTO TSU99A.X Fill Valve, highlighting its adjustable height range of 8-12 inches and the 7/8-inch pipe connection for universal fit.

4. OPERATING INSTRUCTIONS

The NuFlush TOTO TSU99A.X Fill Valve operates automatically to refill your toilet tank after each flush. The primary user adjustment is the water level within the tank.

Adjusting Water Level:

The fill valve features an adjustable shaft that allows you to set the desired water height in the toilet tank. This adjustment is crucial for optimal flushing performance and water conservation.

1. **Locate Adjustment Clip:** Identify the adjustment clip or collar on the main shaft of the fill valve.
2. **Raise/Lower Float:** Gently twist or slide the adjustment mechanism to raise or lower the float cup.

Raising the float increases the water level, while lowering it decreases the water level.

3. **Test and Verify:** Flush the toilet and observe the new water level. The water level should typically be about 1 inch below the top of the overflow tube. Adjust as necessary until the desired level is achieved.





Image: The NuFlush TOTO TSU99A.X Fill Valve demonstrating its adjustable height feature, allowing for tank water levels between 8 and 12 inches.

5. MAINTENANCE

Regular maintenance of your NuFlush fill valve, particularly cleaning the screened filter, can prevent common issues and extend the product's lifespan.

Cleaning the Screened Filter:

The fill valve includes a detachable screened filter designed to catch sediment and debris from the water supply. If you notice slow refilling or reduced water flow, the filter may need cleaning.

1. **Turn Off Water Supply:** Turn off the water supply to the toilet at the shut-off valve.
2. **Empty Tank:** Flush the toilet to drain the tank.
3. **Remove Filter:** Carefully detach the screened filter, usually located at the base of the fill valve where the water supply line connects.
4. **Clean Filter:** Rinse the filter under running water to remove any accumulated debris. A soft brush can be used for stubborn particles.
5. **Reinstall Filter:** Reinsert the clean filter into its position.
6. **Restore Water Supply:** Turn the water supply back on and check for leaks.

**Adjustable Height
8-12-inch**

**7/8-inch
connection**



Image: A detailed view of the NuFlush TOTO TSU99A.X Fill Valve, showing its various components including the screened filter at the base.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your toilet fill valve.

Problem	Possible Cause	Solution
Toilet runs continuously or cycles on and off.	• Water level is too high, overflowing into the overflow tube. • Flapper is not sealing properly. • Fill valve is faulty.	• Adjust the fill valve to lower the water level (see Operating Instructions). • Inspect and replace the flapper if it is worn or damaged. • If other solutions fail, the fill valve may need replacement.
Toilet refills slowly.	• Screened filter is clogged. • Low water pressure. • Kinked or obstructed supply line.	• Clean the screened filter (see Maintenance). • Check household water pressure. • Ensure the water supply line is not kinked or obstructed.
Noisy refilling.	• High water pressure. • Loose fill valve components. • Debris in the valve.	• Consider installing a water pressure regulator if household pressure is consistently high. • Ensure all connections and components are secure. • Clean the screened filter.
Weak or incomplete flush.	• Water level in tank is too low. • Flapper not opening fully or closing too quickly.	• Adjust the fill valve to raise the water level (see Operating Instructions). • Inspect the flapper and chain for proper operation.

7. SPECIFICATIONS

- **Brand:** NuFlush
- **Model Number (Internal):** 606582757570
- **Compatible TOTO Models:** TSU99A.X, TSU53A
- **Material:** High Impact ABS Plastic
- **Exterior Finish:** ABS with Corrosion-Resistant Coating
- **Color:** Gray
- **Item Dimensions (L x W x H):** 12 x 0.5 x 8 inches
- **Pipe Connection:** 7/8 inch
- **Number of Ports:** 2
- **Included Components:** Fill Valve
- **UPC:** 606582758188

8. WARRANTY AND SUPPORT

For warranty information, technical assistance, or to inquire about replacement parts, please contact NuFlush customer service. Keep your purchase receipt as proof of purchase for any warranty claims. For further assistance, please visit the [NuFlush Store on Amazon](#).