

7834097, 7831896

Boiler Filling Tap Assembly Replacement Manual

Model: 7834097, 7831896 | Brand: Generic

PRODUCT OVERVIEW

This document provides instructions for the installation and maintenance of the Boiler Filling Tap Assembly, designed as a replacement part for specific Viessmann wall-mounted boilers. This assembly is crucial for maintaining the correct pressure within your boiler system.



Image 1: The complete Boiler Filling Tap Assembly, showing the black plastic handle and the brass valve component.

COMPATIBILITY

This Boiler Filling Tap Assembly is specifically designed for use with the following wall-mounted Viessmann boiler models:

- Viessmann Vitopend 100-W type WH1D
- Viessmann Vitodens 100-W type WB1B

Ensure your boiler model matches one of the listed types before attempting installation.

INSTALLATION GUIDE

Important Safety Notice: Installation of boiler components should only be performed by a qualified and competent individual. Always ensure the boiler is completely isolated from the main power supply and the water supply is shut off before beginning any work. Depressurize the system as per the boiler manufacturer's instructions.

1. **Preparation:** Turn off the boiler's electrical supply at the main switch and unplug it if possible. Close the main water inlet valve to the boiler. Allow the boiler to cool down if it has been recently operating.
2. **Depressurize System:** Open a drain valve or a hot water tap to release pressure from the boiler system. Collect any draining water in a suitable container.
3. **Locate Existing Assembly:** Identify the current filling tap assembly on your Viessmann boiler. It is typically located near the bottom of the boiler.
4. **Remove Old Assembly:** Carefully disconnect the old filling tap assembly. This may involve unscrewing connections or releasing clips. Be prepared for residual water to escape.
5. **Inspect and Clean:** Before installing the new assembly, inspect the connection points for any debris or corrosion. Clean the area thoroughly if necessary.
6. **Install New Assembly:** Position the new Boiler Filling Tap Assembly (Model 7834097, 7831896) into place. Ensure all seals and O-rings are correctly seated. Tighten connections securely but do not overtighten.
7. **Refill and Repressurize:** Once the new assembly is securely installed, slowly open the main water inlet valve to the boiler. Monitor the boiler pressure gauge as the system refills. Use the filling tap to bring the system pressure to the manufacturer's recommended level (typically between 1.0 and 1.5 bar when cold).
8. **Bleed Air:** Bleed air from radiators and the boiler system as needed to ensure proper circulation and heating.
9. **Restore Power:** Once the system is refilled and repressurized, restore the electrical supply to the boiler.
10. **Test Operation:** Check for any leaks around the new assembly. Operate the boiler briefly to ensure it functions correctly and maintains pressure.



Image 2: A closer view of the brass valve component, highlighting its connection points and internal mechanism.

OPERATING INSTRUCTIONS

The filling tap assembly is used to add water to your boiler system and increase its pressure. This is typically required when the boiler pressure drops below the recommended level (e.g., below 1.0 bar when cold).

1. **Check Pressure:** Observe the pressure gauge on your boiler. If the pressure is too low, you will need to add water.
2. **Locate Filling Tap:** Identify the filling tap assembly.
3. **Open Tap Slowly:** Slowly turn the black handle of the filling tap counter-clockwise to open it. You should hear water flowing into the system.
4. **Monitor Pressure Gauge:** Continuously watch the boiler's pressure gauge. Fill the system until the pressure reaches the manufacturer's recommended level (usually between 1.0 and 1.5 bar for a cold system). Do not overfill.
5. **Close Tap Securely:** Once the desired pressure is reached, turn the black handle clockwise to close the filling tap completely. Ensure it is tightly closed to prevent leaks.
6. **Check for Leaks:** Briefly inspect the filling tap and surrounding connections for any signs of water leaks.

MAINTENANCE

Regular maintenance of your boiler system, including the filling tap assembly, can help ensure its longevity and efficient operation.

- **Regular Inspection:** Periodically inspect the filling tap assembly for any visible signs of wear, corrosion, or leaks.
- **Pressure Monitoring:** Regularly check your boiler's pressure gauge. Consistent pressure drops may indicate a leak in the system, including the filling tap.
- **Professional Servicing:** It is recommended to have your boiler system, including all its components, serviced

annually by a qualified heating engineer.

TROUBLESHOOTING

This section addresses common issues related to the boiler filling tap assembly.

- **Issue: Water Leak from Filling Tap.**

Possible Cause: The tap is not fully closed, or the internal seals/O-rings are worn or damaged.

Solution: Ensure the tap is completely closed. If the leak persists, the internal valve or seals may need replacement. This often requires replacing the entire assembly. Consult a qualified technician.

- **Issue: Boiler Pressure Not Increasing When Filling Tap is Open.**

Possible Cause: The main water supply to the boiler is off, or the filling tap itself is faulty/blocked.

Solution: Check that the main water inlet valve to the boiler is fully open. If it is, the filling tap assembly might be internally blocked or defective and require replacement.

- **Issue: Boiler Pressure Drops Frequently.**

Possible Cause: A leak in the system (including the filling tap), or a faulty expansion vessel.

Solution: Inspect all visible pipework and connections, including the filling tap, for leaks. If no leaks are found, the issue might be with the boiler's expansion vessel or another internal component. Professional diagnosis is recommended.

PRODUCT SPECIFICATIONS

Manufacturer	Tsp
Product Dimensions	7 x 5 x 6 inches
Item Model Number	7834097, 7831896
Color	Black
Included Components	No (Assembly only)
ASIN	B0BF14MPWC
Date First Available	September 12, 2022

WARRANTY AND SUPPORT

Specific warranty information for this Boiler Filling Tap Assembly (Model 7834097, 7831896) is not provided in the product details. For any warranty claims or technical support, please refer to the original point of purchase or contact the manufacturer, Tsp, directly.

It is always recommended to retain your proof of purchase for any potential warranty inquiries.