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› BrandTech 2704838 Polypropylene Bottle Thread Adapter User Manual

BrandTech BRA-2704838

BrandTech 2704838 Polypropylene Bottle Thread Adapter User Manual

Model: BRA-2704838

1. INTRODUCTION

The BrandTech Scientific bottle adapter, model 2704838, is designed to enhance the functionality and safety of Dispensette III and Dispensette Organic Bottletop dispensers. This polypropylene adapter facilitates the connection of these dispensers to bottles with a 33mm thread, adapting them to a STJ 24/40 joint. It is a crucial accessory for ensuring secure and efficient liquid handling in laboratory environments, contributing to improved safety, conservation, and productivity.



Figure 1: Angled view of the BrandTech 2704838 Polypropylene Bottle Thread Adapter. This image shows the adapter's overall shape, including the threaded end for bottle connection and the tapered end for the STJ 24/40 joint.

2. SAFETY INFORMATION

Always handle laboratory equipment with care. Ensure the adapter is securely fitted to both the bottle and the dispenser to prevent leaks or spills, especially when working with hazardous chemicals. Refer to the safety data sheets (SDS) of the chemicals being dispensed for specific handling precautions.

- Inspect the adapter for any signs of damage or wear before each use. Do not use if cracked or compromised.
- Ensure proper ventilation when dispensing volatile substances.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, as required by laboratory protocols.
- Dispose of chemicals and contaminated equipment according to local regulations.

3. COMPONENTS

The BrandTech 2704838 adapter is a single, integrated component designed for specific bottle and dispenser interfaces.

- **Polypropylene Construction:** Durable and chemically resistant material.
- **33mm Thread:** Designed to screw onto bottles with a 33mm neck thread.
- **STJ 24/40 Joint:** Tapered end for connection to Dispensette III and Dispensette Organic Bottletop dispensers with a corresponding joint.

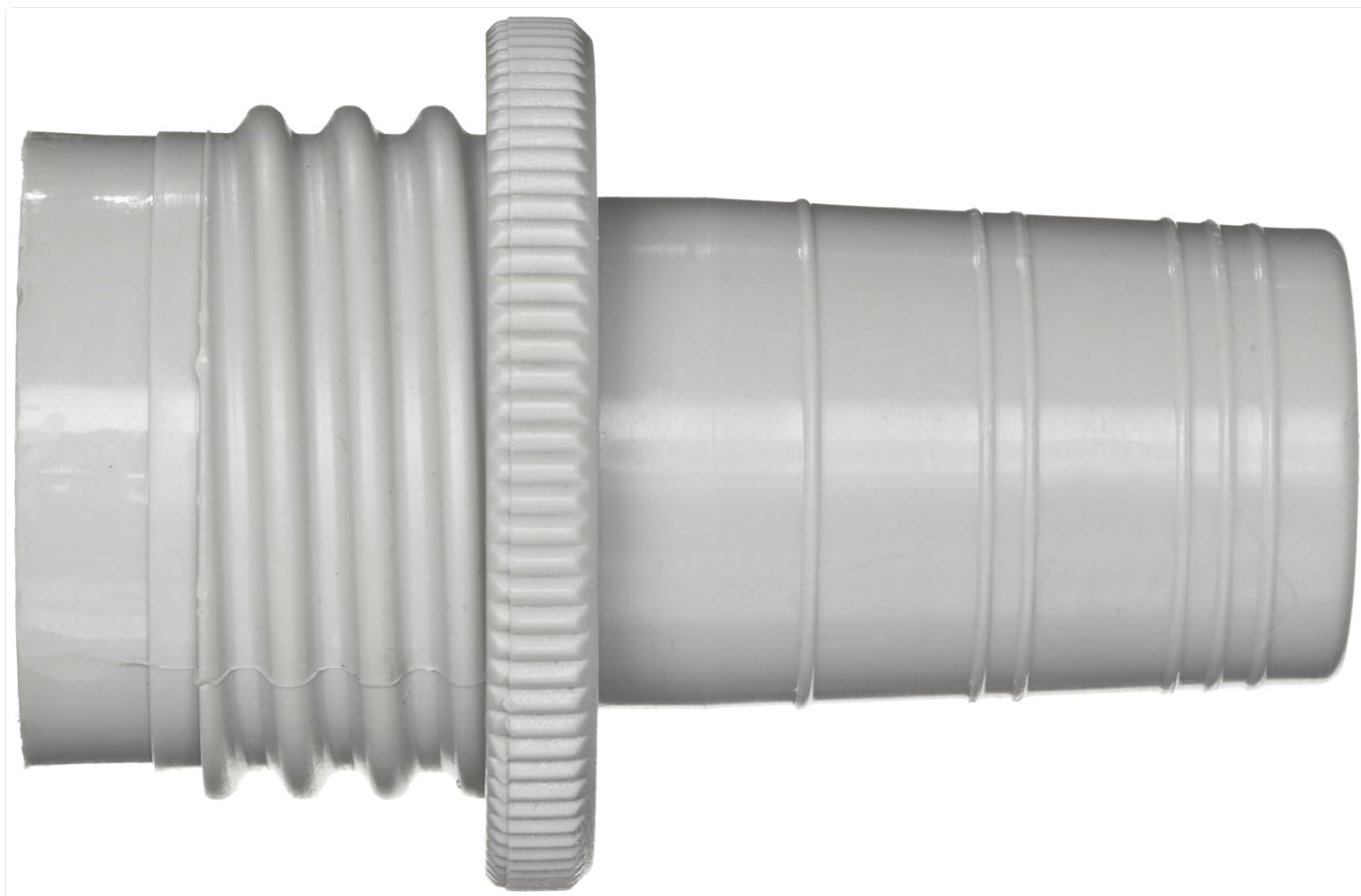


Figure 2: Side view of the BrandTech 2704838 Polypropylene Bottle Thread Adapter. This view clearly shows the 33mm threaded section on the left and the STJ 24/40 joint on the right, highlighting the adapter's two distinct connection points.

4. SETUP AND INSTALLATION

Follow these steps to properly install the BrandTech 2704838 adapter with your bottle and dispenser:

1. **Prepare the Bottle:** Ensure the bottle you intend to use has a 33mm neck thread and is clean and dry.
2. **Attach Adapter to Bottle:** Carefully screw the 33mm threaded end of the adapter onto the neck of the bottle. Turn clockwise until it is hand-tight and secure. Do not overtighten, as this may damage the adapter or bottle.
3. **Prepare the Dispenser:** Ensure your Dispensette III or Dispensette Organic Bottletop dispenser is clean and ready for attachment.
4. **Attach Dispenser to Adapter:** Insert the STJ 24/40 joint of the dispenser into the corresponding opening on the adapter. Gently push and twist until a secure fit is achieved. The adapter is designed to provide a stable connection for the dispenser.
5. **Verify Connection:** Once assembled, gently tug on the dispenser to ensure it is firmly seated and there is no wobbling. A secure connection is vital for safe operation.

5. OPERATING INSTRUCTIONS

The adapter itself does not have operational controls. Its function is to provide a secure interface. Operation of the dispensing system relies on the proper use of the connected Dispensette III or Dispensette Organic Bottletop dispenser. Refer to the specific user manual for your dispenser for detailed operating instructions, including priming, volume setting, and dispensing procedures.

Key considerations when operating with the adapter:

- Always ensure the adapter remains securely attached to both the bottle and the dispenser throughout the

dispensing process.

- Avoid applying excessive force or torque to the adapter during dispensing, as this could compromise the seal.
- If any leakage is observed around the adapter, immediately stop dispensing, check the connections, and re-secure or replace the adapter if necessary.

6. MAINTENANCE AND CLEANING

Regular cleaning and proper maintenance will extend the lifespan of your BrandTech 2704838 adapter.

- **Cleaning:** After each use, especially when dispensing corrosive or sticky liquids, detach the adapter from both the bottle and the dispenser. Rinse the adapter thoroughly with distilled water. For more stubborn residues, a mild laboratory detergent can be used, followed by a thorough rinse.
- **Drying:** Allow the adapter to air dry completely or wipe it with a clean, lint-free cloth before storage or re-use.
- **Inspection:** Periodically inspect the threads and the joint area for any signs of wear, cracks, or chemical degradation. Polypropylene is highly resistant, but extreme conditions or improper handling can cause damage.
- **Storage:** Store the adapter in a clean, dry place, away from direct sunlight and extreme temperatures, to prevent material degradation.

7. TROUBLESHOOTING

This section addresses common issues related to the adapter's function.

Problem	Possible Cause	Solution
Leakage at bottle connection	Adapter not tightened sufficiently; Damaged bottle thread; Damaged adapter thread.	Ensure adapter is hand-tight. Check bottle thread for damage. Inspect adapter thread for cracks or wear; replace if damaged.
Leakage at dispenser connection	Dispenser not fully seated in adapter; Damaged STJ joint on dispenser or adapter.	Ensure dispenser is pushed firmly into the adapter. Inspect both the dispenser's joint and the adapter's joint for damage; replace if necessary.
Adapter feels loose after installation	Incorrect bottle thread size; Adapter not fully tightened.	Verify bottle thread is 33mm. Re-tighten the adapter. If still loose, the bottle may have an incompatible thread.

8. SPECIFICATIONS

Technical specifications for the BrandTech 2704838 Polypropylene Bottle Thread Adapter:

- **Model Number:** BRA-2704838
- **Material:** Polypropylene
- **Bottle Thread Compatibility:** 33mm
- **Dispenser Joint Compatibility:** STJ 24/40
- **Dimensions (Package):** 2.4 x 2.2 x 1.75 inches
- **Weight (Item):** 0.8 ounces
- **Country of Origin:** Germany

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your BrandTech 2704838 adapter, please contact BrandTech Scientific directly or refer to their official website. Keep your purchase receipt as proof of purchase.

Manufacturer: BrandTech

First Available: July 2, 2010

For further assistance, please visit the BrandTech Scientific official website or contact their customer service department.

