

Vacuum Filtration System

USER MANUAL



fristadenlab

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1. Product Overview

This vacuum filtration system is designed for efficient and quick filtration of liquids for laboratory use. It is made from high-quality borosilicate glass (boro 3.3), known for its excellent resistance to thermal shock, acids, and alkali. The system can withstand temperatures up to 120°C, making it suitable for high-temperature sterilization.

2. Components

Below is the list of components contained in the box:



- A. Receiving Bottle:** The lower container that collects the filtered liquid.
- B. Rubber Plug:** Seals the connection between the receiving bottle and the upper cup, ensuring a vacuum environment.
- C. Upper Cup:** Holds the filter membrane and the liquid to be filtered.
- D. Clamp:** Secures the core components together, preventing disassembly during the filtration process.
- E. Plastic Cap:** Covers the top of the setup to prevent contamination.

3. Assembly Instructions



- **Prepare the Receiving Bottle:** Place the receiving bottle securely on a stable, flat surface.



- **Insert the Rubber Plug:** Fit the rubber plug snugly into the mouth of the receiving bottle.



- **Position the Upper Cup:** Carefully place the upper cup on top of the rubber plug.



- **Secure with Clamp:** Attach the clamp around the setup to partially secure the core components together.



- **Finalize Assembly:** Place the plastic cap on the top of the upper cup to complete the assembly.

Usage

4. Important

- Ensure that the system is correctly assembled before starting the filtration process.
- Select a filter membrane with a diameter of 47mm to 52mm to fit into the upper cup.
- Connect a vacuum pump to the system to facilitate faster filtration.

5. Cleaning and Maintenance

- Use a high-pressure water gun to clean the sand core and other components.
- The system can be sterilized at temperatures up to 120°C if necessary.
- Regularly check the integrity of the rubber plug and replace it if it shows signs of wear or damage to maintain a proper vacuum seal.

6. Safety Information

- Handle the glass components with care to avoid breakage.
- Ensure that the setup is stable and secure during use to prevent spills or accidents.
- Wear appropriate protective equipment, such as gloves and eye protection, when operating the system.
- For further assistance or information, please contact our customer support.

7. Company Information

WARRANTY

The Fristaden Lab Overhead Stirrer is covered by a 1-year manufacturer's warranty. For warranty services or assistance, please reach out to the Fristaden Lab Customer Service Department via email at support@fristadenllc.com

ABOUT US

- Fristaden Lab is family-owned small business founded in Chicago, IL, in 2013.
- We create lab and industrial products that are effective, time saving and enjoyable to use. Our products solve real problems for those involved in quality control, research and development, inventory management and a myriad of other applications.

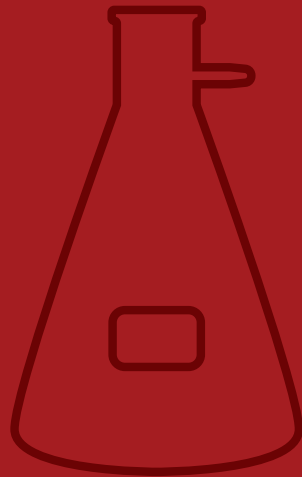
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8. Note

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