



Quick Start Guide

Clamped Vacuum Filter Holders

Before using a clamped vacuum filter holder, please read the full-length user guide available at www.millipore.com. Enter your catalogue number in the SEARCH box.

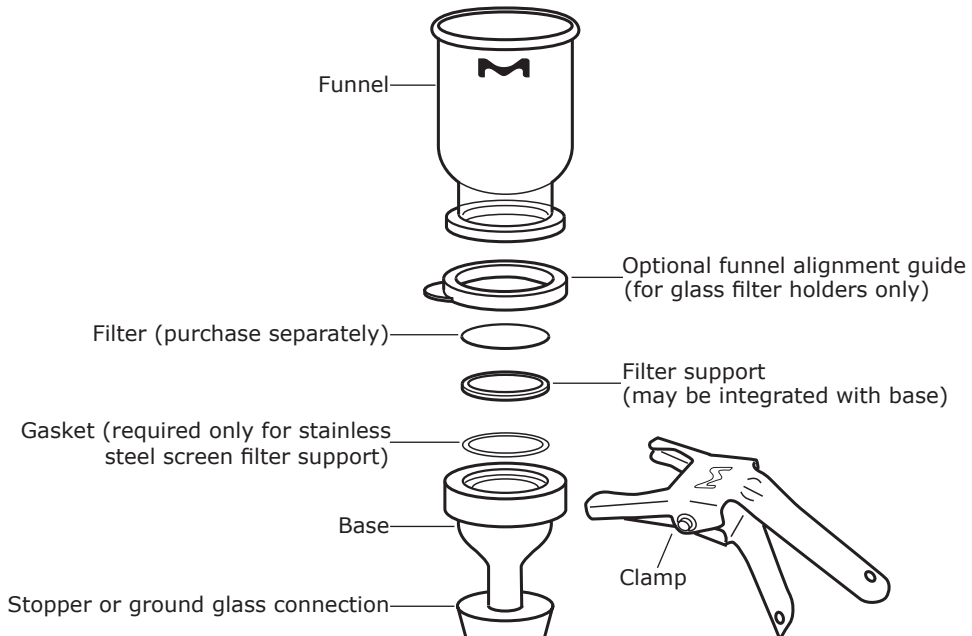
Introduction

Clamped vacuum filter holders are available in a variety of sizes and configurations for use in the vacuum filtration of liquids to produce clarified or particulate-free filtrate, or to analyze particulate or biological contamination retained on the filter surface. This Quick Start Guide provides general instructions for assembly and use of clamped vacuum filter holders. For more detailed instructions, refer to full-length user guides available at www.millipore.com.

Additional Equipment Required

- Filter appropriate for your application; see the product catalogue for options
- Filter forceps (cat. no. XX6200006P)
- For filter holders with a silicone stopper, a vacuum filtering flask or filtering manifold
- Vacuum source, either house vacuum or a portable vacuum pump, and appropriate tubing.

Components of a Typical Clamped Vacuum Filter Holder



Precautions

- Use appropriate personal protective equipment when working with all vacuum filter holders.
- Follow safe handling guidelines for laboratory glassware when working with glass vacuum filter holders.

Operation

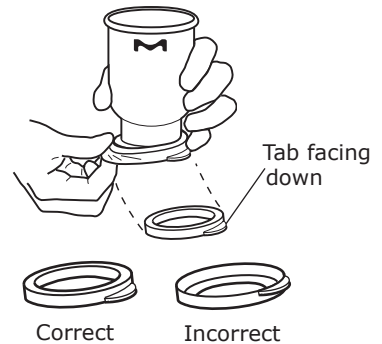
1. Connect filter holder base to appropriate filtering flask or manifold via the rubber stopper or ground glass connection.
2. If the filter support is not an integral part of the base, install it in the base.

NOTE: If using the stainless steel screen filter support, make sure that the supplied PTFE gasket is installed under the support.

3. **Optional, for glass filter holders only:** Stretch the funnel alignment guide over the bottom of the funnel with the **tab facing down**.

If the alignment guide covers the sealing surface of the funnel, it is upside down. Remove and change alignment guide orientation so that the sealing surfaces of the funnel and base can be assembled in direct contact with one another.

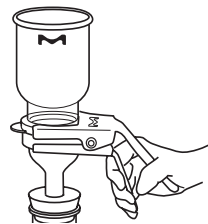
NOTE: The alignment guide is helpful in aligning the funnel and base, but it is not required.



4. With smooth-tip forceps, center a filter disc with appropriate diameter on the support surface (gridded side up if you are using a gridded filter).



5. Without disturbing the filter, center the flange of the funnel on top of the base and lock the funnel and base together with the spring clamp.



6. Connect the filtering flask or manifold to the vacuum source with silicone tubing.
7. Pour the sample into the funnel and apply vacuum to filter the sample. Rinse funnel, if required, with vacuum on.
8. After all the fluid has passed through the filter, shut off the vacuum. Vent the vacuum pressure by loosening the seal between the filter holder assembly and the flask or manifold.
9. Remove the spring clamp and lift the funnel off the base.
10. With smooth-tip forceps, transfer the filter to a clean petri dish for visual particle counting, or to a prepared media pad or agar plate in a sterile petri dish for microbial contaminant culturing.