

Product Data Sheet

In-Line Filtration System

Description

This In-Line Filtration System is made of durable polypropylene, stainless steel, and/or PEEK. It is easy to set up and use and is virtually indestructible. The unit consists of:

Qty.	Description
1 ea	In-Line Adapter
1 ea	Filter Retainer Ring
1 ea	Stainless Steel or PEEK Membrane Support
1 ea	Base Unit with Vacuum Port
2 ea	8-piece Adapter Kit

Assembly

Assemble the unit for use as follows:

1. Secure Base Unit (E) to receiving bottle. The receiving bottle must have a GL-45 threaded neck. The receiving bottle should never exceed 2 liters in volume. It is recommended that safety coated receiving bottles be used.
2. Install the Stainless Steel or PEEK Membrane Support (D) into the Base Unit (E). This will fit snugly.
3. Apply the 47mm Membrane Filter (C, not included) to rest on the Stainless Steel or PEEK Membrane Support.
4. Install the Filter Retainer Ring (B) over the Membrane Filter (C). It will fit snugly. This ring protects the Membrane Filter and enhances the seal between the In-Line Adapter and Base Unit. The unit may be used without the Retainer Ring, but great care must be taken to avoid damaging the Membrane Filter.
5. Seat the In-Line Adapter (A) on top of the Retainer Ring (B) and raise the white cap to engage the threads on the funnel. It is recommended that the cap be turned to tighten and seal the funnel to the Base Unit, rather than turning the In-Line Adapter.
6. The Primer Port (off-center port on top of the In-Line Adapter) must be capped-off for the vacuum unit to function properly. Thread a 1/4-28 Female Luer fitting into the Primer Port and then cap that fitting with a Male Luer Integral Lock Plug Ring.
7. Secure the unit with a ring stand. A three-finger clamp can be used to hold the Base Unit, securely fixing the entire filtration apparatus to the ring stand.
8. Thread the 1/4"-28 to female Luer adapter into the vacuum port. Apply the appropriate barb to interface the unit to the vacuum source.
9. Apply vacuum and use the filter.

Safety Precautions

1. Ensure fluid compatibility with the filter system materials.
2. Always wear proper personal protective gear appropriate to the task.
3. Always use a safety coated reservoir bottle in conjunction with the filter system.
4. Never pull vacuum on a reservoir bottle larger than 2 liters.

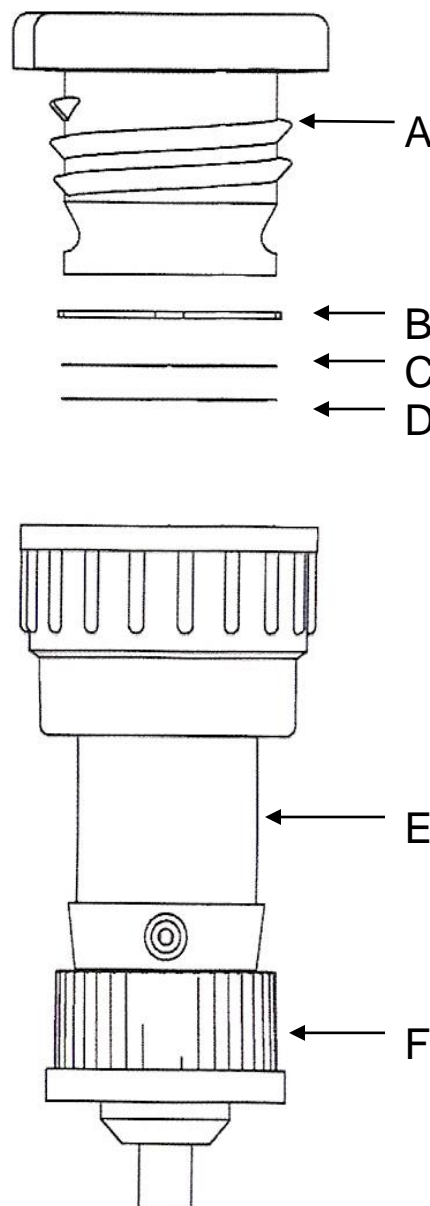


Figure 1 – Components of the In-Line Vacuum Filter and their proper orientation and assembly.

A – In-Line Adapter, **B** – Filter Retainer Ring, **C** – 47mm Filter Membrane (not included), **D** – Stainless Steel or PEEK Membrane Support, **E** – Base Unit with Vacuum Port, **F** – GL-45 Cap Closure