

Alltech® In-Line Filtration System

Description

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

Vacuum Filter Funnel

Description	Qty	Part No.
Alltech® In-Line Complete Filtration System	Ea	6407

Replacement Parts for In-Line System

Description	Qty	Part No.
In-Line Filter Cap	Ea	6463
Hose Barb Adapter Kit (with 8 adapters)	Ea	6438
Stainless Steel Mesh Filter Support Ring	Ea	6421
Silicone Rubber O-Ring	Ea	8619230
Retainer Ring	Ea	8619231

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 Membrane Support (D) into the Base Unit (E). This will fit snugly.
3. Apply the 47mm Membrane Filter (C) to rest on the Stainless Steel 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. Never pull vacuum on any container unless it is designed and rated for vacuum service.
2. Protect against failure and do not use equipment beyond its design limits.
3. Ensure fluid compatibility with the filter system elements.
4. Always wear proper personal protective equipment appropriate to the task performed.

www.discoverysciences.com

Grace Davison Discovery Sciences • 2051 Waukegan Road • Deerfield, IL 60015
 Telephone: 847.948.8600 • Fax: 847.948.1078 • E-mail: DiscoverySciences@grace.com

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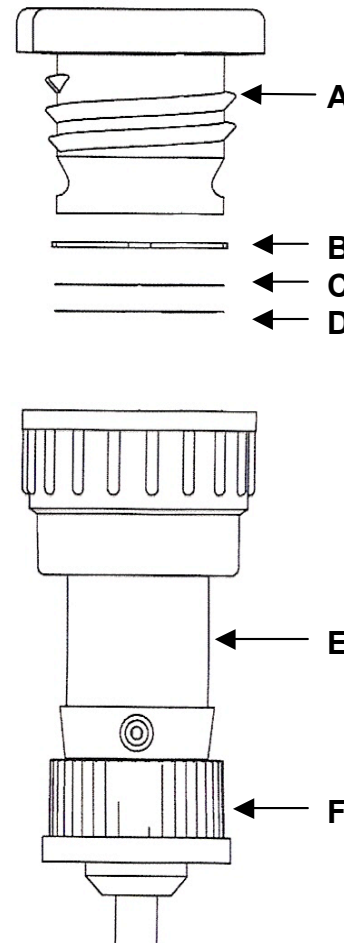


Figure 1 – Components of the Vacuum Filter Funnel and their proper orientation and assembly.

- A – Funnel
- B – Filter Retainer Ring
- C – 47mm Filter Membrane
- D – Stainless Steel Membrane Support
- E – Base Unit with Vacuum Port
- F – GL-45 Cap Closure