

Vacuum Filter Systems



1L Funnel System

Complete Vacuum Filter Systems

- Comes in 1 Liter, 2 Liter or Inline Systems
- Uses O-ring for secure closure
- Easy set up and clean up
- Made of durable polypropylene
- Great for small or large volumes

Our Vacuum Filter Systems offer several improvements over conventional designs. Engineered for durability and ease of use, this unit features an O-ring seal which makes it easy to seat on a standard GL45 cap closure reagent bottle. The vacuum port has stainless steel 1/4"-28 threads for greater longevity compared to other units and interfaces with standard fittings. A unique retainer ring prevents the filter membrane from twisting and becoming damaged.



1L Filter Funnel System



2L Filter Funnel System



Inline Filter System

Stainless Steel

Cat. No. Description

6409	1L Filter Funnel System - Includes: Manifold (w/ O-ring, GL45 Cap, 53B Cap, SS Vacuum Port), Filter Retainer Ring, 1L Funnel, SS Filter Support, Adapter Kit
6429	2L Filter Funnel System - Includes: Manifold (w/ O-ring, GL45 Cap, 53B Cap, SS Vacuum Port), Filter Retainer Ring, 2L Funnel, SS Filter Support, Adapter Kit
6407	Inline Filter System - Includes: Manifold (w/ O-ring, GL45 Cap, 53B Cap, SS Vacuum Port), Inline Adapter Cap, Filter Retainer Ring, SS Filter Support, Adapter Kit



Inline Filter System

Adapter Kit contains:

- 1 ea. 1/4"-28 to Female Luer Adapter
- 1 ea. 1/4"-28 Male Luer
- 1 ea. Male Luer to 1/4" Barb
- 1 ea. Male Luer to 3/16" Barb
- 1 ea. Male Luer to 1/8" Barb
- 1 ea. Male Luer Integral Lock Plug Ring
- 1 ea. 3/16" to 1/4" Connector
- 1 ea. 3/8" to 1/8" Connector

The 1/4"-28 to female Luer adapter and barb fittings allow you to interface with almost any vacuum source.

Replacement Parts & Accessories

Cat. No.	Description	Qty	Price
45377	Filter Retainer Ring	Each	
45311	1 Liter Funnel	Each	
45322	2 Liter Funnel	Each	
45373	Stainless Steel Filter Support	Each	
45390	PEEK Filter Support	Each	
45388	Silicone Rubber O-ring	Each	
45389	Viton® Rubber O-ring	Each	
45325	Adapter Kit	Each	
45345	Inline Filter Adapter Cap w/ PEEK™ Port	Each	



Vacuum Filter Funnel, 1 or 2 Liter

Product Overview

Materials

Polypropylene base and funnel, PTFE retainer ring, stainless steel threads in the vacuum port, and a stainless steel membrane filter support.

Seal

Silicone rubber O-ring, capable of withstanding autoclaving. Designed primarily for aqueous solutions. Other O-ring materials are available for filtering more aggressive liquids. If you have special filtration needs, contact us regarding a filter funnel design to meet your requirements.

Set-up

Extremely easy to set up and use. First, lay the stainless steel membrane filter support into the recessed area on top of the base manifold. Place the filter membrane on top and install the retainer ring on top of that. Lift the white threaded cap to engage the threads of the funnel and screw together snugly. Next, insert the base manifold into the neck of a GL45 receiving bottle and tighten the cap snugly. Finally, choose the proper adapter combination to connect to your vacuum source.

Clean-up

Extremely easy. The entire unit may be submerged in water or other solutions for cleaning. Or, the entire unit may be autoclaved.

Unique Features

- No need for intermediate containers for your filtrate. Solutions are filtered directly into sterile reservoirs.
- The unit fits snugly onto standard reservoirs with GL45 cap closures.
- 1 Liter funnel is ideal for filter sterilization of tissue culture media, and it works just as well with smaller volumes.
- 2 Liter funnel is useful for filtering larger volumes.
- Rugged polypropylene construction means the filtration apparatus is nearly indestructible.
- Stainless steel threads in the vacuum port ensure that they will not be stripped and ruin the unit.
- The retainer ring keeps the filter membrane flat to prevent damage.

Compare these unique features with other units on the market.



Stainless steel threads in the vacuum port ensure that this connection is vacuum tight. No standard fitting will strip these threads.



The stainless steel **membrane filter support** (right) and the **retainer ring** (left) ensure that your filter media remains flat and undamaged.



The **O-ring** provides a tight seal in the neck of a GL45 reservoir bottle that is easy to seat and, when finished, to unseat.