

## Venting Filter

### Description

The Venting Filter, also known as a vacuum protection filter or gas line filter, features a hydrophobic PTFE membrane, making it ideal for sterilizing gases, venting sterile containers, and sterilizing or clarifying organic solutions while protecting your laboratory.

Its large effective filter area allows for high flow rates, and the filters can be autoclaved multiple times, ensuring low costs.



### Features

- Large surface area provides over 30% higher throughput and improved airflow.
- Available with various types of membranes compared to other brands.
- Double injection design for increased pressure resistance.

### Applications

- Sterile venting of small fermenters and containers
- General sterile filtration of gases and air
- Sterilizing or clarifying organic solutions
- Reduces contamination risks, making it ideal for gas lines in CO2 incubators
- Suitable for chromatography solutions

### Specifications

- Filtration Area:  $\geq 0.021 \text{ cm}^2$
- Air Flow Rate:  $\geq 25 \text{ L/min}$  at 1 bar (e.g.,  $0.22 \mu\text{m}$ )



# Filtration Accessories

OUR MEMBRANE, YOUR SOLUTIONS

## Contact Us



Trade Collection Inc.

The TwoFour™

📍 Ontario - Canada

🌐 [www.traco.ca](http://www.traco.ca)

✉ [ttc@traco.ca](mailto:ttc@traco.ca)



Comprehensive Support  
for Lab Products

[www.traco.ca](http://www.traco.ca)

## Vacuum Filtration

### Description

Vacuum Filtration units are self-contained filtration systems that integrate a graduated funnel top, filter assembly, and graduated reservoir. They are ideal for scenarios where a pre-sterilized, disposable filtration unit is required. These units come with PES, cellulose acetate, and PVDF membranes in various pore sizes, making them suitable for the sterile filtration of biological and aqueous fluids, tissue culture media, and buffers. The product range includes filtration units, bottle top filters, and receiver bottles.

### Features

- Single-use and gamma ray pre-sterilized.
- Sterile graded 0.22 µm membrane.
- Biosafety: Meets USP standards.
- Non-pyrogenic and nuclease-free.
- Low extractables and surfactant-free formulation to ensure the purity of the filtrate.
- Extremely low protein binding (<1.5% for PES).
- Excellent throughput for faster filtration and increased process volume.
- GL45 threads compatible with commonly used bottle styles.
- Ergonomic design for convenient use and stable filtration.
- Available with glass fiber pre-filter.

### Applications

- Sterilization or clarification of biological aqueous liquids ranging from 150 mL to 2 liters.
- Clarification of cell culture fluid.
- Removal of mycoplasma from biological liquids.



## Syringe Filters

### Description

We offer a complete range of sterile syringe filters designed for the sterilization or clarification of various volumes of biological fluids. The PES membrane is specially optimized to provide excellent flow rate and throughput, with an extremely low protein binding rate, making it ideal for all types of biological aqueous solutions.

### Features

- Single-use and gamma ray pre-sterilized.
- Sterile graded 0.22 µm membrane.
- Non-pyrogenic.
- Low extractables and surfactant-free formulation to ensure the purity of the filtrate.
- Extremely low protein binding (< 1.5% for PES).
- Excellent throughput for faster filtration and increased process volume.
- Option to add a glass fiber pre-filter to increase throughput, if needed.

### Applications

- Sterile filtration and clarification of biological fluids.
- Tissue culture media preparation.
- Protein and enzyme filtration.
- Hybridization buffers.
- Other aqueous solutions.

