



TECHNOLOGY AND PRECISION FOR MICROBIOLOGICAL CONTROL

**Excellence in Filtration and
Applied Microbiology Solutions**

Corporate Brochure 2026

FilterPore[®]
FILTRATION TECHNOLOGY
WWW.FILTERPORELABS.COM

About us

Our products are designed in alignment with the latest technological advancements. We utilize CAD/CAM software to ensure precision, standardization, and quality, supported by reliable industrial processes that deliver optimal performance and consistent results in laboratory applications.

At FILTERPORE, we support our clients throughout every stage of the process: equipment selection, laboratory implementation, and ongoing technical support. Our approach is focused on delivering reliable solutions and technical assistance that ensure operational continuity and consistent, reproducible results.



M1 / M3 / M6 Vacuum Filtration Manifold Systems

The M1 (1-position), M3 (3-position), and M6 (6-position) Manifolds are multi-position vacuum filtration systems manufactured from 316L stainless steel and equipped with silicone accessories. They are designed for vacuum-assisted microfiltration processes in microbiological analysis laboratories.

Each position is equipped with an independent control valve, enabling precise flow management during the filtration process.

The system **provides a capacity of 100 mL per position and a filtration area of 12.5 cm²**, compatible with various membrane types. Its construction allows sterilization in an autoclave at 121 °C, flame sanitization, and cleaning with non-chlorinated cleaning agents.

Its modular configuration **enables the simultaneous connection of multiple filtration positions**, optimizing processing time and ensuring stable flow across each filtration line.



[Learn More](#)

Vacuum Filtration Unit

The Filtration Funnel represents a critical component of the filtration process, where precision and analytical reliability are essential to microbiological testing.



[Learn more](#)

The internal geometry of the Filtration Funnel is precision-engineered to promote uniform and controlled fluid flow, **ensuring homogeneous distribution across the filtration membrane and efficient retention of microorganisms and particulate matter.** The optimized sealing interface provides reliable vacuum integrity, minimizing the risk of leakage and vacuum loss during continuous operation.

Manufactured from materials with high thermal and chemical resistance, the Filtration Funnel is designed to maintain dimensional stability and consistent performance throughout repeated sterilization cycles. Its optimized assembly and disassembly mechanism facilitates efficient handling, reducing preparation and cleaning time while supporting streamlined laboratory workflows.

For available configurations and product specifications, please refer to the quotation section.

FILTRATION



[Learn more](#)

Pleated Polypropylene Filter Cartridges

Designed for pre-filtration and final filtration processes in critical applications requiring high filtration efficiency, chemical compatibility, and thermal stability. Manufactured entirely from polypropylene.

- Available filtration ratings: 0.22 μm and 0.45 μm
- Nominal lengths: 10", 20", and 30"
- Maximum operating temperature: 80 °C
- Maximum differential pressure:
 - Forward flow: 5.0 bar (25 °C) / 2.0 bar (80 °C)
 - Reverse flow: 0.5 bar (20 °C)
- Sterilization:
 - Steam: 121 °C, 1 bar
 - Hot water: 90–96 °C
- Recommended disinfection: Hydrogen peroxide or diluted peracetic acid



RECOMMENDED APPLICATIONS

- Filtration processes in biotechnology.
- Pharmaceutical industry.
- Beverage processing and ultrapure water applications.
- Microbiological quality control.



ADAPTER CONFIGURATION

- Double O-ring, 222 or 226 configuration.
- Double Open End (DOE) configuration.
- O-ring, 222 or 226 configuration, with spear.

FILTRATION

HYDROPHOBIC SYRINGE FILTERS

Designed for the clarification and sterilization of aqueous solutions in analytical, microbiological, and pharmaceutical applications. The optimized membrane structure enables efficient removal of particulate matter and microorganisms while preserving the integrity and composition of the filtrate.

- Filter diameter: 22 mm
- Nominal pore size: 0.22 μm and 0.45 μm
- Packaging: Individually sealed and supplied sterile
- Pack size: 50 units per box



[Learn more](#)

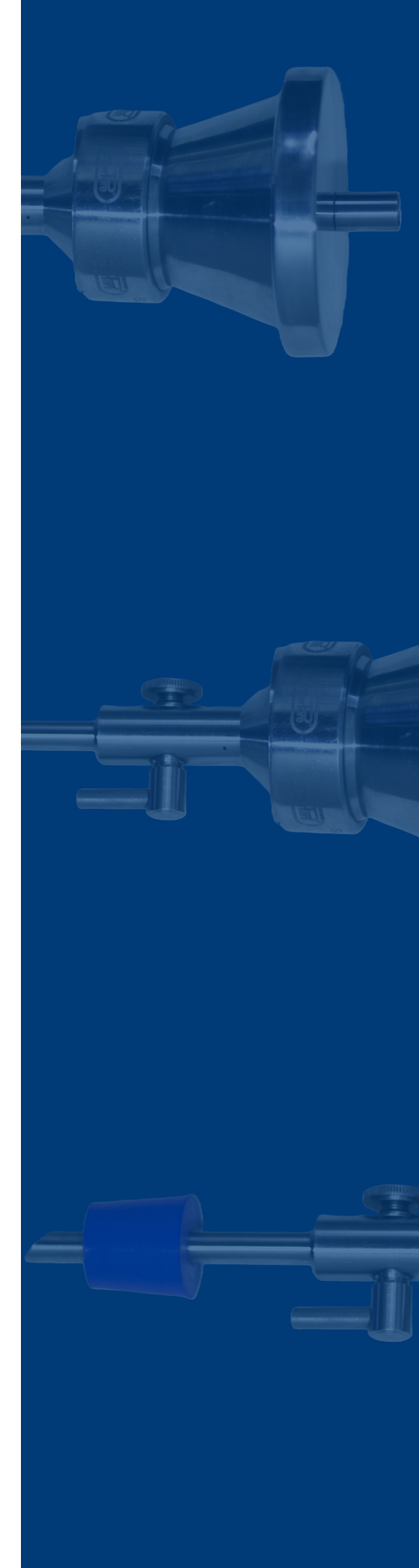


[Learn more](#)

MEMBRANE FILTERS

Designed with a uniform porous structure to ensure high bacterial retention efficiency and consistent analytical performance.

- Diameter: 47 mm
- Nominal pore size: 0.45 μm
- Design: Printed grid for facilitated microbial colony enumeration
- Packaging: Individually sealed and supplied sterile
- Pack size: 100 units per box



At FILTERPORE, we operate with the conviction that precision is achieved through meticulous attention to every detail. Our products are developed through structured and internally verified processes, ensuring consistently high standards of quality and performance.

Our operations are supported by defined procedures, systematic controls, and continuous inspections, ensuring that every product reaches the end user in optimal condition.

Each product reflects the responsibility and rigor with which we operate, together with our ongoing commitment to delivering reliable, consistent solutions for laboratory analytical environments.

Contact

✉ comercial@filterporelabs.com

🌐 www.filterporelabs.com