Laboratory capsule filters

Optimized filtration solutions for larger volume cell culture and laboratory applications



cytiva

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Introduction

Capsule filters are compact, single-use filtration units designed for a wide range of laboratory applications, particularly in cell culture, bioprocessing, and quality control workflows.

Their self-contained design integrates the filter media within a sealed housing, simplifying setup and allowing easy connection to tubing for seamless integration into laboratory processes. The single-use format eliminates the need for cleaning and sterilization between uses, reducing the risk of cross-contamination and minimizing labor requirements.

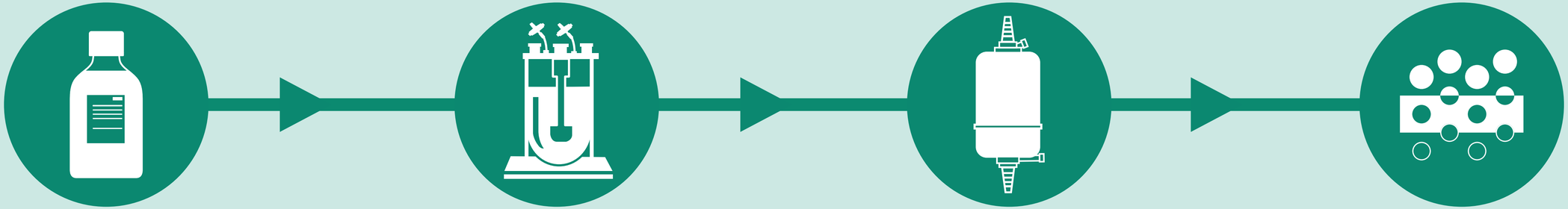
Capsule filters are available with multiple membrane and filter media types, and pore sizes that enable precise control over the removal of particulates and contaminants. They are offered with a range of effective filtration areas and membrane configurations to meet specific throughput and volume requirements.

Capsule filters are commonly used to sterilize media, buffers, and supplements before they are added to cell culture systems, ensuring that microorganisms do not compromise the integrity of sensitive biological processes. They can also be used to process larger volumes of a variety of laboratory solutions.

This brochure introduces our range of laboratory capsule filters and the key applications they support.

Cellular expression workflows

Filtration plays a critical role in cellular expression and recombinant protein production. Researchers rely on our capsule filters for bioburden removal to provide sterility and efficient sample throughput. Selecting the correct capsule filter helps reduce the risk of lost batches or inconsistent results due to contamination, while providing the best recovery of target biomolecules.



Media preparation

Culture media should be sterile and free of contaminants before use. Sterile capsule filters remove bacteria, fungi, and particulates from media, serum, buffers, and supplements without the need for heat sterilization, which could damage heat-sensitive components.

They can also remove undissolved particles or precipitates formed during media preparation, ensuring consistent nutrient delivery.

Cell culture

Cells are grown in an aseptic environment. Capsule filters maintain sterility when feeding fresh growth media, additives, or supplements to cultures.

Hydrophobic vent capsule filters are used on bioreactors, flasks, or tubing lines to prevent microbial ingress and block contaminants while allowing sterile air or gas exchange and pressure equalization during cell culture.

Cell harvesting

During cell harvesting, clarification is essential to remove cells, cellular debris, and large protein aggregates from the culture medium.

Capsule filters are used to efficiently separate these impurities from the harvest fluid before downstream processing, ensuring that the recovered supernatant—containing valuable secreted proteins, viral particles, or metabolites—remains free of particulate contamination.

Sterile filtration

After cell harvesting, a sterile filtration step is often performed, particularly when the harvested material is intended for downstream purification, formulation, or storage.

This step removes any remaining bacteria, fungi, or other microorganisms, as well as fine debris or aggregates that may have passed through earlier clarification.

Sterile filtration protects the harvested supernatant, which may contain valuable biomolecules such as recombinant proteins, antibodies, or viral vectors, ensuring it remains clean and stable for subsequent processing.

Media, reagent and buffer preparation

Capsule filters are used in the preparation of media, reagents, and buffers to remove particulates and sterilize solutions.

When selecting a capsule filter for laboratory use, several key factors must be considered for optimal performance, product integrity, and process efficiency. The most important considerations include the chemical compatibility of the filter membrane and housing materials, the desired level of filtration, required flow rate, and the volume of liquid to be processed.

Compatibility with the fluid being filtered prevents extractables and leachables from contaminating the final solution, while maintaining the physical integrity of the filter during use.

The volume to be filtered influences the required effective filtration area (EFA). Larger volumes benefit from filters with greater surface area to prevent clogging and reduce filtration time. However, because hold-up volume (fluid retained in the filter) increases with capsule size, smaller-volume devices should be used for small-volume or expensive samples.

Pore size is a critical factor in determining the function of the capsule filter. The pore size directly impacts what the filter will remove — whether it is large particulates, fine debris, or microorganisms.

Choose from:

0.8 µm and above – Prefiltration
- Removes coarse particles and protects finer downstream filters

0.45 µm – Clarification of solutions
- Removes fine particles and some bacteria
- Common for general solution clarification prior to sterile filtration

0.2 µm – Sterile grade filtration
- Removes vegetative bacteria to achieve sterilizing-grade filtration
- Industry standard for final sterile filtration of liquids

0.1 µm – Sterile filtration with mycoplasma reduction
- Provides enhanced retention of mycoplasmas and very small bacteria





The type of solution being filtered—whether it is media, reagents, or buffers—also affects filter selection. Culture media often contain complex components such as proteins, sugars, and other nutrients that can increase viscosity and risk of filter fouling. For media preparation, a filter with a larger surface area and low-protein-binding membrane such as polyethersulfone (PES) is recommended to maintain throughput and reduce clogging. A 0.2 µm pore size is generally used to sterilize media while preserving essential nutrients and ensuring microbial removal.

A 0.1 µm capsule filter is used when an even higher level of filtration is required than standard 0.2 µm sterilizing-grade filters can provide. These filters are designed to remove smaller contaminants such as mycoplasma. However, there are important trade-offs when using a 0.1 µm capsule filter. The smaller pore size leads to increased resistance to flow, meaning the filtration process takes longer and may require higher pressure to maintain throughput.

Buffer filtration typically requires a balance between flow rate and sterility. Buffers are usually aqueous and less complex than media, which allows for faster filtration. PES membranes are often suitable due to their low protein binding and high flow rates. A 0.2 µm capsule filter is used for sterile filtration of buffers, while a 0.45 µm option may be used for clarification when sterility is not required. It is also important to consider the volume and frequency of filtration; larger buffer preparation volumes benefit from capsule filters with greater surface area to minimize downtime and filter changes.

For reagents, especially those containing organic solvents or chemically aggressive components, chemical compatibility becomes the dominant concern. Membrane materials such as polytetrafluoroethylene (PTFE), hydrophilic polyvinylidene fluoride (PVDF) or nylon are preferred for solvent filtration due to their resistance to chemical degradation. In these cases, pore size selection depends on the clarity or sterility requirements of the reagent.

AcroPak™ capsule filters

AcroPak capsule filters designed to deliver efficient, cost-effective filtration with high throughput for liquid volumes of up to 150 liters. These capsules offer higher throughputs and faster flow rates than comparable devices, while their low protein-binding properties help minimize sample loss. Fusion-welded components eliminate the risk of extractables from sealing adhesives, and an upstream air vent prevents vapor lock. Each unit is 100% integrity tested to ensure a sterile filtrate.

AcroPak capsules with Supor™ PES membrane quickly processes difficult-to-filter solutions, such as serum; serum supplemented culture media and viscous or particulate laden solutions. Supor membrane has very high flow rates and consistently higher total solution throughputs because it has a higher porosity than most other membranes.

Capsules with Supor membrane are ideal in situations where rapid filtration or short processing times are essential or where low protein binding is required.

AcroPak capsules with Supor EKV membrane are engineered for high performance in buffer, reagent, and media filtration applications ranging from 2 to 150 liters. Featuring fast-flow asymmetric membranes (0.65/0.2 µm), they maintain excellent filtration efficiency even with high-density cell cultures and varying turbidity levels.

AcroPak capsules with Fluorodyne™ II PVDF membrane feature high flow rates, low adsorptive properties, and low extractables. Fluorodyne II membrane is used for scale-up and downstream processing applications for biopharmaceutical production. Fluorodyne II membrane is suitable for applications where customer protocol requires PVDF membrane.



AcroPak capsule filters

	Supor membrane	Supor EKV asymmetric membrane	Fluorodyne II PVDF
Pore size	0.8/0.2, 0.8/0.45, 0.2/0.2, and 0.1/0.1 µm	Asymmetric 0.65/0.2 µm	0.1 and 0.2 µm
EFA	20, 200, 500, 1000, and 1500cm^2	20, 200, 400, 800, and 1500 cm^2	20, 200, 400, and 800 cm^2
Application	With high flow and capacity, broad fluid compatibility, low protein adsorption, active ingredients, and stabilizers, Supor membranes are suited for filtration of preparative fluids such as buffers, media, clarified cell culture, and protein solutions.	PES filters with asymmetric membrane layers have the same benefits of Supor PES membrane, but with additional debris holding for high turbidity, high bioburden solutions.	Low extractables, low product and excipient adsorption for the sterilization of a wide range of formulations and fluids containing dilute proteins or preservatives. Compatible with many organic solvents.

* Filter with 0.2 µm: Lot samples retain a minimum of 107 cfu/cm^2 of B. diminuta per modified ASTM F838, current revision (as of 2025)

** Filter with 0.1 µm: Lot samples retain a minimum of 107 cfu/cm^2 of A. laidlawii per modified ASTM F838, current revision (as of 2025)

Polycap TC capsule filters

Polycap TC capsules are available with or without a filling bell. These disposable, dual layer PES membrane filtration capsules provide efficient filtration for critical aqueous solutions. The PES membrane is inherently hydrophilic, has low extractables, is biosafe, has excellent flow rates, and exhibits low protein binding. The capsules are available in a range of pore sizes (0.1, 0.2, 0.45, and 1.0 µm) and dual layer membrane configurations.

- 100% integrity-tested during manufacturing; results are correlated to microbial retention
- Housing thermally fused (no surfactants or mold releasing agents)
- Integrity-testable by bubble point, pressure decay or forward flow methods
- Available in gamma irradiated and nonsterile versions with a filling bell option
- Manufactured in clean room facilities under ISO quality systems



Polycap TC capsule filters

Polycap AS capsule filters

Polycap AS (aqueous solution) is recommended for filtering aqueous solutions. It combines a glass microfiber prefilter and a nylon membrane, which prolongs the life of the filter and allows larger volumes and difficult samples to be filtered easily.

- First layer (GMF) acts as a prefilter for longer membrane (0.2, 0.45, and 1.0 µm) life and higher filtration efficiency
- Nylon membrane layer is inherently hydrophilic, has low extractables, is biosafe, and has excellent flow rates
- Ultra-clean containing no surfactant or mold release agents
- Housing is thermally fused (no glues, adhesives or extraneous materials)
- Integrity-testable by bubble point, pressure decay, or forward flow methods
- Autoclavable, some options provided gamma irradiated
- Manufactured in clean room facilities under ISO quality systems



Polycap AS capsule filter

Clarification and cell harvest

Materials derived from cell cultures, fermentation broths, or cell lysates typically contain substantial particulate matter. Clarifying these fluids is a critical step before downstream processing, such as ultrafiltration or capture chromatography.

In cellular expression workflows, once the cells reach the desired density, they are harvested from the culture. Filtration is then used to remove cells and large debris from the culture fluid, producing a clarified solution that contains the target proteins or other products secreted by the cells.

Membranes with pore sizes ranging from 0.2 to 0.45 µm are typically used. These sizes remove whole cells and larger debris while allowing proteins and other soluble components to pass through with minimal retention. A 0.45 µm membrane may be chosen when faster flow rates are needed and the sample contains relatively low levels of fine particulates. A 0.2 µm membrane provides finer clarification and is preferred when a cleaner filtrate is required for downstream analysis or sterile filtration.

For dense or viscous cultures, incorporating a prefiltration step using a membrane with a larger pore size or a glass fiber filter helps prevent clogging and extends the life of the final membrane.

We supply a range of capsules of different sizes and pore sizes to meet the filtration needs of even the most difficult-to-filter solutions.

Versapor™ and Versaflow™ capsule filters

Versapor and Versaflow capsule filters contain a robust acrylic copolymer membrane for large particle clarification or prefiltration of hard to filter and viscous solutions. Available in multiple pore sizes and EFA formats, there are several options to fit your prefiltration needs.

The Versapor serum capsule contains a glass fiber pre-filter to maximize throughput and a 1.2 µm membrane layer adept at serum filtration in cell culture applications, while Versapor pleated capsules are available in 0.2, 0.8/0.45, and 3.0 µm pore size membrane configurations.

- Glass fiber pre-filter offers reduced filter clogging
- Strong and flexible acrylic copolymer membrane
- Barbed hose connections fit multiple tubing sizeser ISO quality systems



Versapor capsule filters

Polycap SPF capsule filters

Biological filtration, especially serum filtration, is often difficult because of the high concentration of complex particulates, lipids, triglycerides, and lipoproteins in solution that can clog filters. Single-layer membrane filters clog rapidly without proper prefiltration.

Polycap SPF capsule filters are highly suitable for biological filtration, especially serum, buffer, and enzyme filtration, because of the density graded prefiltration layers they contain. Prefiltration with 1.0 µm Polycap SPF capsules can help extend the life of the final filter.

- Three layers of special media: Fine and ultrafine glass microfiber and polyethersulfone membrane
- Excellent for hard-to-filter solutions such as serums and protein solutions
- Autoclavable, 121ºC at 15 psi for 20 min
- Manufactured under ISO manufacturing system
- Suitable for filtering serums, viral suspensions, nutrients, biologicals, immunologicals, enzymes, and buffers
- Prefilters extend the life of the final filter



Polycap SPF capsule filter

Polycap HD capsule filters

Polycap HD capsule filters are heavy-duty polypropylene filters commonly used in processing applications for general sample preparation and fine filtration. The capsule filters are manufactured with polypropylene filter media, support system, and housing, allowing use with a broad range of solutions, pH levels, and temperatures.

They feature a robust construction that enables high flow rates and high retention capacity, ensuring excellent filtrate purity. Polycap HD filters are ideal for processing applications involving buffers, solvents, reagents, and emulsions.

- High flow and high retention capacity
- Autoclavable, 121ºC at 15 psi for 20 min
- Manual vent with luer lock to bleed air from upstream or serve as an injection or sample port
- Available with a retention rating of 0.2, 0.45, 1.0, 5.0, or 10 µm and a variety of end fitting configurations
- Manufactured in a Class 10 000 clean room in an ISO certified manufacturing plant
- Available in 3 sizes:
  - 36 mm capsule: EFA ~ 400 cm^2
  - 75 mm capsule: EFA ~ 820 cm^2
  - 150 mm capsule: EFA ~ 1650 cm^2



Polycap HD capsule filter

Mini Profile capsule filters

Mini Profile capsules contain all polypropylene depth filter elements, featuring tapered pores that narrow to an inner (downstream) absolute rated section suited for upstream clarification of larger particles. This thick depth structure provides high capacity for larger solids and gels as well as for fine particles.

The capsules are available with 1.5, 3, and 5 µm ratings. They can be used for a wide range of applications including the clarification of biological products, cell lysate removal, and large particle prefiltration.

- High capacity depth medium
- Absolute retention for reliable results
- Low extractables
- Low protein binding
- Broad chemical compatibility



Mini Profile capsule filter

Vent filters and solvent filtration

Vent filters are used in cell culture and cellular expression workflows to maintain sterility of culture systems while allowing safe exchange of gases. In cell culture, gas exchange is necessary for optimal growth conditions.

Vent filters are typically made of hydrophobic materials and are fitted to culture vessels such as bioreactors or flasks to allow airflow while blocking airborne contaminants like bacteria, fungal spores, and particulate matter. This maintains an aseptic environment crucial for reproducibility and integrity in experimental and production settings.

Vent filters also prevent pressure buildup as cells consume nutrients and produce gases. This pressure regulation is important in sealed systems, where metabolic activity can lead to mechanical failure or compromised cultures.

By incorporating vent filters, labs provide a stable, contamination-free environment that supports healthy cell growth, reliable protein expression, and consistent yields.

Vent filters typically use hydrophobic membranes such as PTFE. Capsules containing PTFE can also be used to filter organic solvents, as the membrane is chemically inert and highly resistant to solvent attack.

When selecting a capsule filter for solvent filtration, it is also important to consider the chemical compatibility of the filter housing. Our disposable capsule filters for solvent filtration use polypropylene housings, as polypropylene is chemically resistant to many organic compounds, lightweight, durable, and cost-effective.

Our PTFE filter capsules are available in a variety of sizes and pore sizes to meet your venting or solvent filtration requirements.



Polycap TF capsule filters

Polycap TF filter capsules are made with durable, hydrophobic PTFE membranes in a polypropylene housing and are designed for use with organic solvents and chemically aggressive solutions. They can also be used for the inline filtration of air or gas, protection of equipment from particulate and aerosol intrusion, and general venting applications.

The capsules are available with a range of pore sizes to provide selection for the correct flow rate and particle retention needed in various applications.

- Resistant to most solvents, autoclavable, and integrity-testable
- Available in 0.1, 0.2, 0.45, and 1.0 µm pore sizes.
- 1.0 µm used for extended life and filtration of highly contaminated solutions
- Autoclavable at 121°C at 15 psi for 20 min
- Manufactured under very clean conditions in a Class 10 000 clean room and under ISO quality systems
- Available in 3 sizes:
  - 36 mm capsule: EFA ~ 500 cm^2
  - 75 mm capsule: EFA ~ 1000 cm^2
  - 150 mm capsule: EFA ~ 2000 cm^2



Polycap TF capsule filters

AcroPak 300 capsule filters

AcroPak 300 capsule with its large effective filtration area (280 cm^2), is designed for bioreactor venting requiring high air flow rates or chemical and solvent filtration. The capsule features a 0.2 µm hydrophobic PTFE membrane. The filter can be sterilized by autoclaving and can be integrity tested after each autoclave cycle and before use.

- High flow rate
- Broad chemical compatibility
- Sterilizing grade
- Offers broad chemical compatibility with PTFE membrane and polypropylene housing
- Barbed hose connections fit multiple tubing sizes
- Provided non-sterile, can withstand 10 autoclave cycles at 121 - 123 °C (250 - 253 °F) for a maximum of 20 min



AcroPak 300 capsule filter

Carbon capsules

Carbon capsules remove odors, colloids and organic impurities from both liquids and air. The capsules are filled with high-purity, high-efficiency, acid washed, granular-activated carbon, which acts as an adsorption medium. Additionally, WhatmanTM carbon cap products contain pleated HEPA filters.

- Process water, chemicals, and reagents
- Use on compressed air lines, vacuum pumps, and instrument outlet exhausts
- Removes potential health hazards from the workplace
- Available in 3 sizes, with typical effective surface areas:
  - Carbon capsule: 65000 m^2
  - Carbon Cap 75 capsule, with additional HEPA filter: 26000 m^2
  - Carbon Cap 150 capsule, with additional HEPA filter: 82000 m^2



Polycap TF capsule filters

Pressure vessels

Pressure vessels available in three sizes are convenient for processing small batch fluids for clarification, sterilization, or other filtration studies. The electropolished stainless steel construction provides broad chemical compatibility and smooth finish for thorough cleaning. Provided with pressure relief valve for safety, pressure gauge, and inlet/outlet barb connections.



Pressure vessels

Summary

Capsule filters are essential components in modern laboratory and cell culture workflows, supporting every stage from media preparation to final sterile filtration. Their self-contained, single-use design simplifies setup, reduces cleaning and validation requirements, and minimizes the risk of cross-contamination.

Available in a variety of membrane types, pore sizes, and effective filtration areas, these filters provide consistent, high-quality performance for a wide range of applications, including cell culture, reagent and buffer preparation, clarification, and solvent filtration.

Our capsule filter portfolio offers proven reliability and scalability, helping researchers and scientists maintain product integrity while improving operational efficiency. With options optimized for throughput, chemical compatibility, and microbial retention, our capsule filters deliver dependable results for both routine laboratory use and demanding life science environments.

Whether your goal is to protect critical cell cultures, clarify complex biological solutions, or support sterile processing, our capsule filters provide confidence, performance, and quality you can trust.

Learn more about our cell culture filtration products

Applications	Capsule filters
Cell culture media preparation, buffer filtration, reagent preparation	• AcroPak capsule filters • Polycap TC capsule filters
Aqueous filtration	• AcroPak capsule filters • Polycap AS capsule filters
Serum filtration	• Polycap SPF capsule filters • AcroPak capsule filters • Versapor and Versaflow capsule filters
Clarification and cell harvesting	• AcroPak capsule filters
Gross clarification and large debris removal	• Polycap HD capsule filters • Mini Profile capsules
Venting applications	• AcroPak 300 capsule filters • Polycap TC capsule filters
Solvent filtration	• AcroPak 300 capsule filters • Polycap TC capsule filters

Capsule ordering information

AcroPak capsules with Supor membrane

Description	Quantity	Product code
AcroPak 200 capsules with Supor membrane, 0.8/0.2 µm HB, sterile	3	12941
AcroPak 200 capsules with Supor membrane, 0.8/0.2 µm MNPT, sterile	3	12093
AcroPak 500 capsule with Supor membrane, 0.1/0.1 µm, sterile	1	12997
AcroPak 500 capsule with Supor membrane, 0.2/0.2 µm, sterile	1	12995
AcroPak 500 capsule with Supor membrane, 0.8/0.2 µm, sterile	1	12991
AcroPak 500 capsule with Supor membrane, 0.8/0.45 µm, sterile	1	12993
AcroPak 1000 capsule with Supor membrane, 0.1/0.1 µm, sterile	1	12999
AcroPak 1000 capsule with Supor membrane, 0.2/0.2 µm, sterile	1	12996
AcroPak 1000 capsule with Supor membrane, 0.8/0.2 µm, sterile	1	12992
AcroPak 1000 capsule with Supor membrane, 0.8/0.45 µm, sterile	1	12994
AcroPak 1500 capsule with Supor membrane, 0.2/0.2 µm, sterile	1	12686
AcroPak 1500 capsule with Supor membrane, 0.8/0.2 µm, sterile	1	12675

AcroPak capsules with Supor EKV membrane

Description	Quantity	Product code
AcroPak 200 capsules with Supor EKV membrane 0.2 µm HB, sterile	3	12094
AcroPak 200 capsules with Supor EKV membrane 0.2 µm SF, sterile	3	12095
AcroPak 400 capsule with Supor EKV membrane 0.2 µm HB, sterile	1	12461
AcroPak 400 capsule with Supor EKV membrane 0.2 µm SF, sterile	1	12460
AcroPak 800 capsule with Supor EKV membrane 0.2 µm HB, sterile	1	12464
AcroPak 800 capsule with Supor EKV membrane 0.2 µm SF, sterile	1	12463
AcroPak 1500 capsule with Supor EKV membrane 0.2 µm HB, sterile	1	12467
AcroPak 1500 capsule with Supor EKV membrane 0.2 µm SF, sterile	1	12466

AcroPak capsules with Fluorodyne II membrane

Description	Quantity	Product code
AcroPak 200 capsules with Fluorodyne II membrane, 0.2 µm, sterile	3	12069
AcroPak 400 capsule with Fluorodyne II membrane, 0.2 µm, sterile	1	12478
AcroPak 800 capsule with Fluorodyne II membrane, 0.1 µm, sterile	1	12473
AcroPak 800 capsule with Fluorodyne II membrane, 0.2 µm, sterile	1	12471

Polycap TC capsule filters

Description	Quantity	Product code
Polycap TC 36 capsule filter, 0.2/0.1 µm, sterile	1	6714-3601
Polycap TC 36 capsule filter, 0.2/0.1 µm, SB (with filling bell), sterile	1	6715-3601
Polycap TC 36 capsule filter, 0.2/0.2 µm, MNPT/SB (with filling bell), sterile	1	6716-3602
Polycap TC 36 capsule filter, 0.2/0.2 µm, SB, sterile	1	6714-3602
Polycap TC 36 capsule filter, 0.2/0.2 µm, SB (with filling bell), sterile	1	6715-3602
Polycap TC 36 capsule filter, 0.8/0.2 µm, sterile	1	6715-3682
Polycap TC 36 capsule filter, 0.65/0.45 µm, SB, sterile	1	6714-3604
Polycap TC 36 capsule filter, 0.6/0.45 µm, SB (with filling bell), sterile	1	6715-3604
Polycap TC 75 capsule filter, 0.2/0.1 µm, sterile	1	6714-7501
Polycap TC 75 capsule filter, 0.2/0.2 µm, sterile	1	6714-7502
Polycap TC 75 capsule filter, 0.2/0.2 µm (with filling bell), sterile	1	6715-7502
Polycap TC 75 capsule filter, 0.8/0.2 µm, sterile	1	6715-7582
Polycap TC 75 capsule filter, 0.6/0.45 µm, SB, sterile	1	6717-7504
Polycap TC 75 capsule filter, 1.0/1.0 µm, SB, sterile	1	6717-7510
Polycap TC 150 capsule filter, 0.2/0.1 µm, sterile	1	6717-9501
Polycap TC 150 capsule filter, 0.2/0.2 µm, 1/2" SB, sterile	1	6717-9502
Polycap TC 150 capsule filter, 0.2/0.2 µm, 1/2" SB (with filling bell), sterile	1	6718-9502
Polycap TC 150 capsule filter, 0.2/0.2 µm, SB, non-sterile	1	6704-9502
Polycap TC 150 capsule filter, 0.8/0.2 µm, sterile	1	9718-9582
Polycap TC 150 Capsule filter, 0.65/0.45 µm, 1/2" SB, sterile	1	6717-9504

Polycap AS capsule filters

Description	Quantity	Product code
Polycap AS 36 capsule filter, 0.2 µm 1/2" stepped barb	1	6708-3602
Polycap AS 36 capsule filter, 0.2 µm FNPT, non-sterile	1	2606T
Polycap AS 36 capsule filter, 0.2 µm MNPT/SB, sterile	1	6709-3602
Polycap AS 36 capsule filter, 0.2 µm SB, sterile	1	6705-3602
Polycap AS 36 capsule filter, 0.2 µm SB (with filling bell), sterile	1	6706-3602
Polycap AS 36 capsule filter, 0.45 µm, sterile	1	6705-3604
Polycap AS 75 capsule filter, 0.2 µm, non-sterile	5	2706T
Polycap AS 75 capsule filter, 0.45 µm, non-sterile	5	2707NS

Capsule ordering information cont.

Versapor and Versaflow capsule filters

Description	Quantity	Product code
Versapor capsule, mini 0.8/0.45 µm, sterile	1	12123
Versaflow capsule, 0.8/0.45 µm, sterile	1	12131
Versapor serum capsule, GF/1.2 µm	1	12168
Versapor capsule, pleated, 3µm, non-sterile	1	12116
Versapor capsule, pleated, 0.2µm, sterile	1	12117

Polycap HD capsule filters

Description	Quantity	Product code
Polycap SPF 36 capsule filter, 1.0 µm, with SB inlet and outlet	1	6705-3600
Polycap SPF 75 capsule filter, 1.0 µm, with SB inlet and outlet	1	6705-7500

Polycap HD capsule filters

Description	Quantity	Product code
Polycap HD 36 capsule filter, 0.45 µm, non-sterile	5	2610T
Polycap HD 36 capsule filter, 1.0 µm FNPT, non-sterile	5	2611T
Polycap HD 36 capsule filter, 1.0 µm SB, non-sterile	1	6703-3610
Polycap HD 36 capsule filter, 10.0 µm, non-sterile	1	6703-3611
Polycap HD 36 capsule filter, 10.0 µm, with FNPT inlet and outlet	5	2613T
Polycap HD 36 capsule filter, 20.0 µm FNPT, non-sterile	5	2614T
Polycap HD 36 capsule filter, 20.0 µm SB, non-sterile	1	6703-3621
Polycap HD 36 capsule filter, 5.0 µm FNPT, non-sterile	5	2612T
Polycap HD 36 capsule filter, 5.0 µm SB, non-sterile	1	6703-3650
Polycap HD 75 capsule filter, 0.45 µm, non-sterile	5	2710
Polycap HD 75 capsule filter, 1.0 µm FNPT, non-sterile	5	2711T
Polycap HD 75 capsule filter, 1.0 µm 1/2" SB, non-sterile	1	6703-7510
Polycap HD 75 capsule filter, 10.0 µm 1/2" SB, non-sterile	1	6703-7511
Polycap HD 75 capsule filter, 10.0 µm FNPT, non-sterile	5	2713T
Polycap HD 75 capsule filter, 10.0 µm, with HB inlet and SB outlet	5	2713
Polycap HD 75 capsule filter, 20.0 µm 1/2" SB, non-sterile	1	6703-7521
Polycap TC 150 capsule filter, 0.8/0.2 µm, sterile	1	9718-9582

Polycap HD capsule filters cont.

Description	Quantity	Product code
Polycap HD 75 capsule filter, 20.0 µm FNPT, non-sterile	5	2714T
Polycap HD 75 capsule filter, 5.0 µm 1/2" SB, non-sterile	1	6703-7550
Polycap HD 75 capsule filter, 5.0 µm FNPT, non-sterile	5	2712T
Polycap HD 75 capsule filter, 5.0 µm MNPT, non-sterile	5	2712M
Polycap HD 150 capsule filter, 0.45 µm, non-sterile	5	2810T
Polycap HD 150 capsule filter, 10.0 µm FNPT, non-sterile	5	2813T
Polycap HD 150 capsule filter, 10.0 µm HB, non-sterile	5	2813
Polycap HD 150 capsule filter, 20.0 µm FNPT, non-sterile	5	2814T
Polycap HD 150 capsule filter, 5.0 µm, non-sterile	5	2812T

Mini Profile capsule filters

Description	Quantity	Product code
Mini Profile capsule with Profile Star filter, 1.5 µm	3	12070
Mini Profile capsule with Profile Star filter, 3 µm	3	12071
Mini Profile capsule with Profile Star filter, 5 µm	3	12072

Polycap TF capsule filters

Description	Quantity	Product code
Polycap TF 36, 0.1 µm, with MNPT inlet and 3/8 in SB outlet	1	6711-3601
Polycap TF 36, 0.2 µm, with MNPT inlet and 3/8 in SB outlet	1	6711-3602
Polycap TF 36, 0.2 µm, with 1/2 in SB inlet and outlet	1	6710-3602
Polycap TF 36, 0.2 µm, with 3/8 in SB inlet and outlet	1	6700-3602
Polycap TF 36, 0.2 µm, with FNPT inlet and outlet	5	2601T
Polycap TF 36, 0.45 µm, with MNPT inlet and 3/8 in SB outlet	1	6711-3604
Polycap TF 36, 0.45 µm, with 1.5 in sanitary inlet and outlet	1	2602S
Polycap TF 36, 1.0 µm, with 3/8 in SB inlet and outlet	1	6700-3610
Polycap TF 36, 1.0 µm, with FNPT inlet and outlet	5	2603T
Polycap TF 75, 0.1 µm, with 3/8 in SB inlet and outlet	1	6700-7501
Polycap TF 75, 0.1 µm, with FNPT inlet and outlet	5	2700T
Polycap TF 75, 0.2 µm, with MNPT inlet and 3/8 in SB outlet	1	6711-7502
Polycap TF 75, 0.2 µm, with 1/2 in SB inlet and outlet	1	6710-7502

Capsule ordering information cont.

Polycap TF capsule filters cont.

Description	Quantity	Product code
Polycap TF 75, 0.2 µm, with 3/8 in SB inlet and outlet	1	6700-7502
Polycap TF 75, 0.2 µm, with MNPT inlet and outlet	5	2702M
Polycap TF 75, 0.2 µm, with FNPT inlet and outlet	5	2702T
Polycap TF 75, 0.45 µm, with 3/8 in SB inlet and outlet	1	6700-7504
Polycap TF 75, 0.45 µm, with FNPT inlet and outlet	5	2703T
Polycap TF 75, 1.0 µm, with 1/2 in SB inlet and outlet	1	6701-7510
Polycap TF 150, 0.1 µm, with FNPT inlet and outlet	5	2800T
Polycap TF 150, 0.2 µm, with FNPT inlet and outlet	5	2802T
Polycap TF 150, 0.2 µm, with 1.5 in sanitary inlet and outlet	5	2801
Polycap TF 150, 0.45 µm, with FNPT inlet and outlet	5	2803T
Polycap TF 150, 1.0 µm, with FNPT inlet and outlet	5	2804T

AcroPak 300 capsules with PTFE membrane

Description	Quantity	Product code
AcroPak 300 capsule, PTFE, 0.2 µm, stepped hose barb	3	12082
AcroPak 300 capsule, PTFE, 0.2 µm, stepped hose barb	100	12085

Carbon capsules

Description	Quantity	Product code
Carbon Cap 75, capsule filter with activated carbon	1	6704-7500
Carbon Cap 150, capsule filter with activated carbon	1	6704-1500
Carbon capsule	1	12011

Pressure vessels

Description	Quantity	Product code
Pressure vessel SS 3.78 L PED	1	97132
Pressure vessel SS 11.3 L PED	1	97133
Pressure vessel SS 18.9 L PED	1	97134

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