

Whatman®

Your Filtration Partner

Whatman Capsule
Filtration Products



About Whatman Capsule Products

Whether you are conducting research, pilot manufacturing or full-scale production, filtering large volumes or hard-to-filter samples, Whatman has a filtration solution to fit your needs. We understand that different applications require specific filtration devices for specific needs. It's why we developed a wide range of capsule filtration devices suited to the particular demands of filtering a few to a few hundred liters of liquid.

Whatman products are manufactured with the highest quality materials, under exacting clean room conditions using ISO-controlled manufacturing processes. We offer a variety of pore sizes and filter materials to choose from, and all our capsules are free of adhesives to ensure product purity. For the most reliable performance—in any application—trust Whatman's comprehensive line of capsule filtration devices.

Capsule Products and Applications

NOMINAL RATED FILTERS

- Polycap™ HD**3
- Pleated polypropylene depth filter*
For general prefiltration
- HEPA-CAP™**4
- Pleated glass microfiber air filter*
For HEPA air filtration

SPECIALTY PRODUCTS

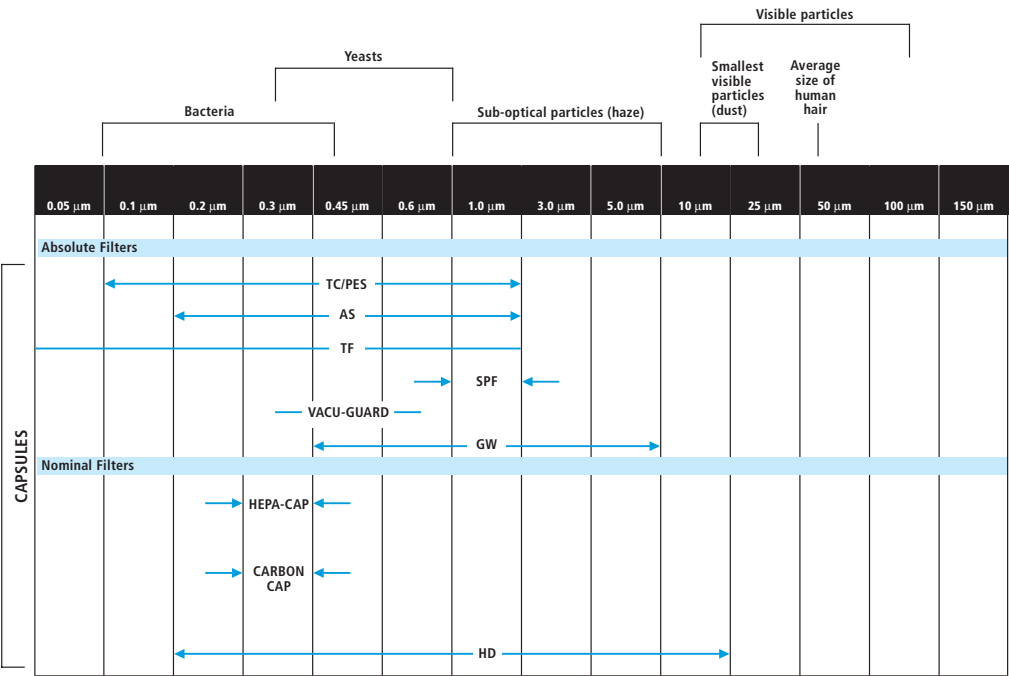
- Polycap™ SPF**5
- Serum prefiltration filter*
For the prefiltration of serum
- Carbon Cap™**6
- Granular activated carbon*
For removal of organics/color
- VACU-GUARD™ 150**7
- Capsule for vacuum systems*
For vacuum protection of devices
- Polycap™ GW**8
- Ground water capsule*
For ground water filtration

ABSOLUTE RATED MEMBRANE FILTERS

- Polycap™ TC/PES**9
- Polyethersulfone membrane*
For the sterilization of critical aqueous solutions
- Polycap™ AS**10
- Nylon membrane filter*
For the filtration of aqueous solutions
- PolyVENT™/SteriVENT™**11
- PTFE vent membrane filter*
For the sterile venting of tanks and fermentation systems
- Polycap™ TF**12-13
- PTFE membrane*
For the filtration of solvents and aggressive solutions

Product Selection Guide 14-15

Product Selection Chart



Polycap™ HD

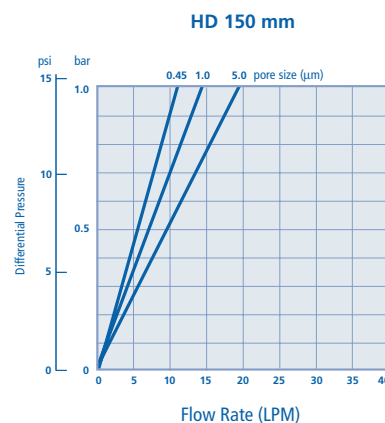
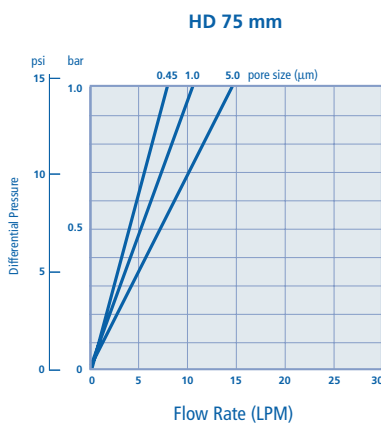
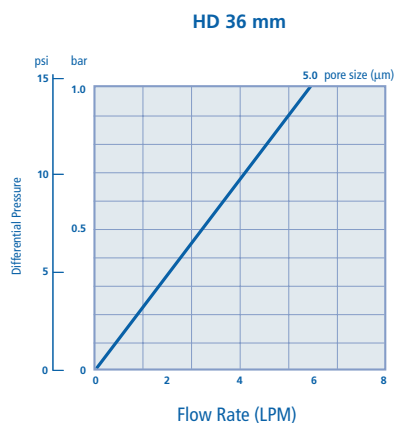
Polycap HD (Heavy Duty) is a well-engineered product that offers high filtration efficiency and excellent filtrate purity because of its materials and methods of manufacture. Polycap HD provides a unique advantage in process applications as its performance characteristics fit between gross filters and microporous membrane filters used for final filtration.



Features and Benefits

- 100% polypropylene filter media, support systems and housings allow usage with broad range of solutions, pH and temperature
- High flow and high retention capacity
- Materials of construction are FDA approved for food contact
- Able to be sterilized by autoclaving with steam at 121°C for 20 minutes
- Manual vent with Luer lock to bleed air from upstream or serve as an injection or sample port
- Available in 0.2, 0.45, 1.0, 5.0 and 10 µm pore sizes and a variety of end-fitting configurations
- Manufactured in a Class 10,000 clean room in an ISO certified manufacturing plant

Water Flow Rates*



* Flow rates are indicative and vary by type of end fitting; X-rated with 90% removal efficiency

Technical Specifications

Housing	Polypropylene
Vent	On inlet
Filter Media	Polypropylene
Support System	Polypropylene
Biosafety	Materials pass USP Class VI
Filtration Area	36 mm Capsule: 400 cm ² (62 in ²) 75 mm Capsule: 820 cm ² (127 in ²); 150 mm Capsule: 1,650 cm ² (256 in ²)
Sterilization	These capsules are autoclavable at 121°C for 20 minutes (maximum temperature is 132°C).
Non-pyrogenic	LAL tested, non-reactive
Maximum Pressure	4.1 Bar (60 psi)

Applications

Clean air and gas equipment
Cosmetics and personal care products
Food and beverage
General fine filtration
Inks and pigments
Pharmaceutical
Photographic emulsions and make-up water
Pre-filtration for RO/UF/MF membranes
Sample preparations
Semiconductor and magnetic media
Solvents
Buffers
Reagents



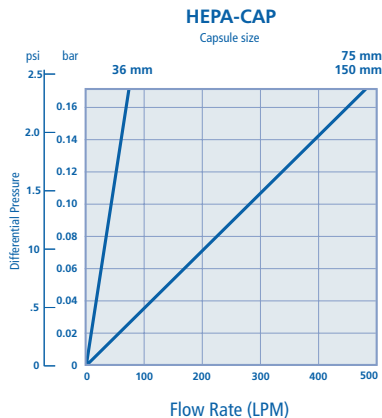
HEPA-CAP™

HEPA filter media is used throughout the scientific, research and industrial environments in a variety of air and gas filtration applications where high retention, dirt-holding capacity and flow rates are required. HEPA-CAP filters are lightweight and feature mildly hydrophobic glass microfiber (GMF) filter media for resistance to bacterial growth.

Features and Benefits

- Glass filter media strengthened by dual lamination with a tough polyester monofilament
- Retains 99.97% of all particles $\geq 0.3 \mu\text{m}$ in air
- Durable polypropylene housing
- High flow rates with low pressure drops across filter media, ensuring clean air passing in and out of vessels
- Suitable for particulate removal from air and gases, pre-filter for suction or to serve gas inline filter
- Able to be sterilized by autoclaving with steam
- Available in a variety of end-fitting configurations
- Manufactured in clean room facilities under ISO Quality Systems
- Repeatedly autoclavable at 121°C for 20 minutes (132°C max) for assured sterility
- Allows bi-directional flow
- Depth filter design allows for high loading capacity
- Preventing bacterial, algal or fungal contamination in fermentors or incubators
- Tissue culture applications

Air Flow Rates*



* Flow rates are indicative and vary by type of end fitting

Technical Specifications

Housing	Polypropylene
Filter Media	Laminated hydrophobically-treated GMF
Support System	Polypropylene
Sealing	Heat-fused
Maximum Pressure	60 psi (4.1 Bar)
Flow Direction	Bidirectional
Biosafety	Materials pass USP Class VI
Sterilization	Autoclavable
Filtration Area	36 mm Capsule: 625 cm ² (97 in ²) 75 mm Capsule: 1,300 cm ² (201 in ²) 150 mm Capsule: 2,590 cm ² (402 in ²)

Applications

Gas line filter
Particulate removal from gases
Pre-filters for suction

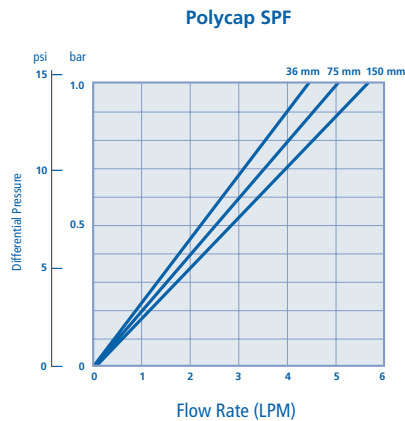
Polycap™ SPF

Polycap SPF (Serum Pre-Filter) is an exceptional product that is optimized for pre-filtration applications and is typically used upstream of a Polycap AS or Polycap PES capsule. Serum is difficult to filter because it contains a high degree of loading of complex particulates, lipids, triglycerides and lipoproteins that clog filters. When filtering serum without proper pre-filtration, membrane filters clog rapidly.

Features and Benefits

- Three layers of special media: fine, ultrafine glass microfiber (GMF), and polyethersulfone membrane
- Ideal for hard-to-filter solutions such as serums and protein solutions
- Able to be sterilized by autoclaving with steam
- Manufactured under ISO manufacturing system
- Suitable for filtering serums, viral suspensions, nutrients, biologicals, immunologicals, enzymes and buffers
- Prefilters help extend the life of the final filter

Water Flow Rates



Technical Specifications

Housing	Polypropylene
Vent	On inlet
Pre-filter	Two layers of glass microfiber
Membrane	Polyethersulfone (PES)
Support System	Polypropylene
Sealing	Heat-fused
Maximum Pressure	60 psi (4.1 Bar)
Sterilization	Autoclave at 121°C for 20 minutes (132°C max)
Filtration Area	36 mm Capsule: 260 cm ² (40 in ²) 75 mm Capsule: 535 cm ² (83 in ²) 150 mm Capsule: 1,100 cm ² (170 in ²)

Applications

Biologicals
Buffers
Diagnostics standards
Enzymes
Immunologicals
Nutrients
Serum prefiltration
Tissue culture media
Viral suspensions



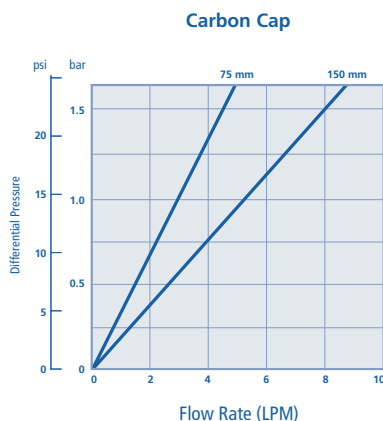
Carbon Cap™

This filter capsule is suitable for adsorption of organics from air and removal of color, organics and chlorine from water. Carbon Cap is a capsule filter that is filled with high-purity, high-efficiency, acid-washed, granular-activated carbon and a pleated HEPA filter. It is made specially to meet the requirements for continuous column percolation purification processes.

Features and Benefits

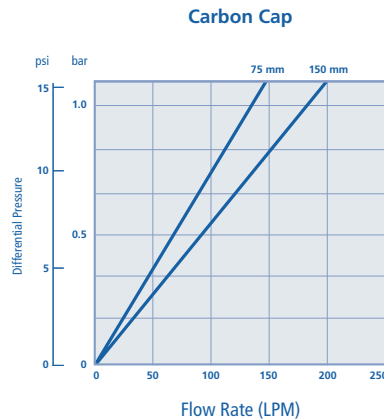
- Carbon acts as an adsorption media
- Pleated glass microfiber filter structure
- Retains 99.97% of particles greater than 0.3 μm
- Large surface area of activated carbon for effective operation
- Two sizes of capsules available to suit your specific application

Carbon Cap in Water*



* Flow rates are indicative and vary by type of end fitting

Carbon Cap in Air*



Technical Specifications

Housing	Polypropylene
Filter Media	Activated Carbon with a Pleated HEPA Cartridge
Support System	Polypropylene
Sealing	Heat-fused
Maximum Pressure	60 psi (4.1 Bar)
Surface Area	75 Capsule: 26,000 m ²
(Activated Carbon)	150 Capsule: 82,000 m ²

Applications

Water, chemical and reagent purification

Removes noxious odors, oil mists and contaminants

Decolorizing and oil clarification

Compressed air lines and vacuum pumps

Instrument outlet exhausts

Eliminates a potential health hazard from the workplace

VACU-GUARD™ 150

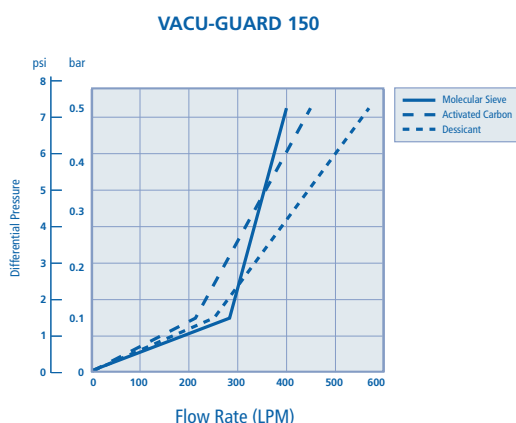
These easy-to-use in-line filter devices help to confine and isolate infectious materials in vacuum systems and protect your lab. The VACU-GUARD family of products offers a complete array of vacuum protection filters. VACU-GUARD In-line Filters prevent contamination from aqueous aerosols on vacuum pumps and systems.



Features and Benefits

- Ideal for protecting vacuum pump systems from solvent vapor or gaseous contaminants and aqueous aerosols
- Available with choice of chemical trap: activated carbon, molecular sieve or desiccant
- Designed for in-line use with stepped barb connections for 10–12 mm ID hose
- Membrane retains 99.99% of airborne particles greater than 0.1 μm
- Features hydrophobic PTFE membrane

Air Flow Rates*



* Flow rates are indicative and vary by type of end fitting

Technical Specifications

Product	VACU-GUARD 150 Activated Carbon	VACU-GUARD 150 Desiccant	VACU-GUARD 150 Molecular Sieve
Chemical	Activated Carbon	Anhydrous Calcium Sulphate	Silico Aluminate Zeolite
Trap Media			
Filter Media	PTFE	PTFE	PTFE
Surface Area	82,000 m ²	318 g	318 g
or Weight (nominal)	(Carbon)	(Desiccant)	(Zeolite)
Maximum Operating Pressure			
Dry Gas	60 psi	60 psi	60 psi
Wet Gas	14 psi	14 psi	14 psi
Connectors	Inlet: Hose barb for 1/2 in (12.7 mm) tube Outlet: 3/8–1/2 in (10–12 mm) step barb		

Applications

- Vacuum pump protection
- Activated carbon removes organic vapors and radioactive particles
- Molecular sieve for use with organic and alkaline air streams
- Desiccant for use with high velocity acidic air streams
- Eliminates a potential health hazard from the work place

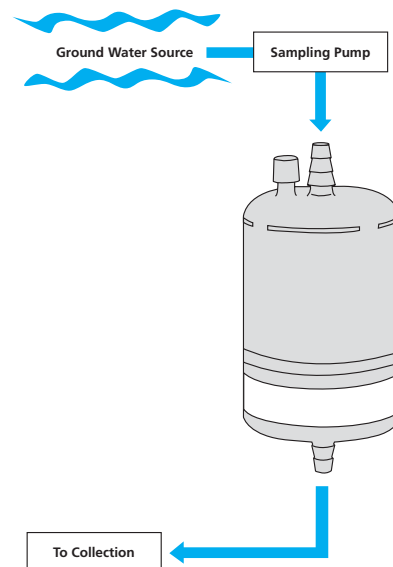


Polycap™ GW

The U.S. Environmental Protection Agency (EPA) and local Departments for Environmental Protection protocols specify filtering ground water samples with a 0.45 µm filter when analyzing dissolved or suspended metals (EPA Method 3005). Specifically designed with field sampling in mind, the Whatman Polycap Ground Water sampling capsule can be used as a convenient in-line filter unit.

Features and Benefits

- Connects directly to outlet of a sampling pump
- Easy to use
- Filtration membrane is encapsulated in durable polypropylene housing
- Available in 1.0 µm and 5.0 µm filters, as required by some state and regional EPA test methods
- Large surface area optimized to provide at least 600 cm² of effective filtration area to ensure rapid sample collection
- Housing components thermally fused (no glues, adhesives, metals, epoxies or extraneous materials)
- Suitable for filtration procedure outlined in EPA Method 3005 for ground water analysis
- Stepped hose bar fittings allow for connection with various size tubings



Whatman Polycap GW is designed to make the process of collecting ground water samples for analysis quick, easy and convenient.

Technical Specifications

Housing	Polypropylene
Filter Media	0.45 µm: PES membrane
	1.0 µm: Polypropylene Filter
	5.0 µm: Polypropylene Filter
Inlet/Outlet	1/4 to 3/8 in (6–9 mm) Stepped Barb (SB)
Support System	Polypropylene
Vent	On inlet
Filtration Area	600 cm ² (93 in ²)
Wetting Characteristics	Hydrophilic
Maximum Pressure	60 psi (4.1 Bar)
Flow Direction	Flow should follow arrows

Application

Filter ground water samples before dissolved metal analysis

Polycap™ TC/PES

Polycap TC/PES, available with and without bell, are disposable, dual layer polyethersulfone (PES) membrane filtration capsules that provide efficient filtration for critical aqueous solutions. The PES membrane is inherently hydrophilic, has low extractables, is bio-safe, has excellent flow rates and exhibits low protein binding.

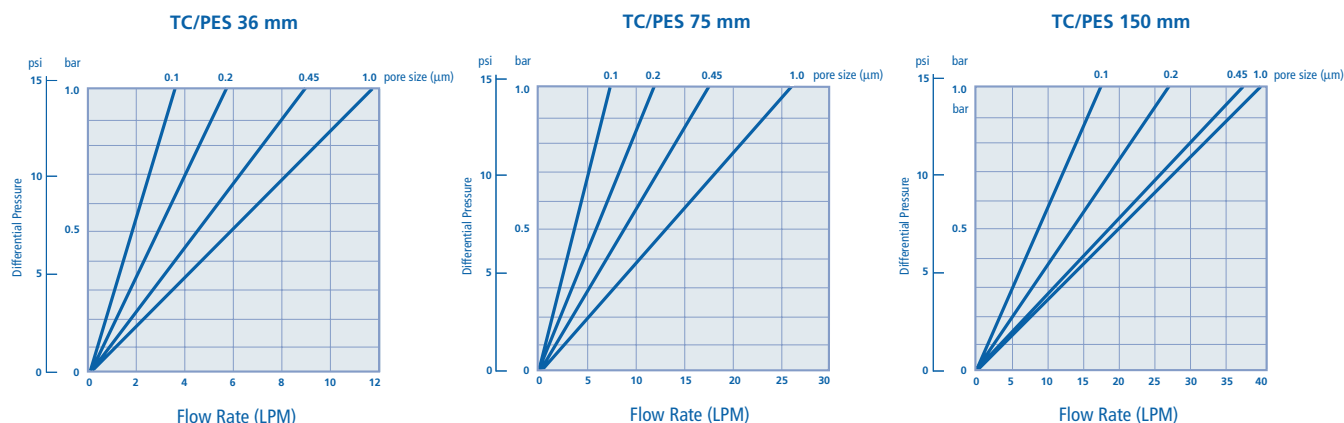


Features and Benefits

- Polycap TC/PES 0.1, 0.2 and 0.8/0.2 μm capsules pass the HIMA Challenge Test for Sterilizing Grade Filters
- 100% integrity-tested during manufacturing; results are correlated to microbial retention
- Bonds thermally fused (no surfactants or mold releasing agents)
- Integrity-testable by bubble point, pressure decay or forward flow methods
- Available in sterile and non-sterile versions with a filling bell option
- Manufactured in clean room facilities under ISO Quality Systems
- PES membrane protein adsorption characteristics:

HSA	0.4 $\mu\text{g}/\text{cm}^2$
Insulin	2.0 $\mu\text{g}/\text{cm}^2$
Gammaglobulin	1.5 $\mu\text{g}/\text{cm}^2$

Water Flow Rates*



* Flow rates are indicative and vary by type of end fitting

Technical Specifications

Housing	Polypropylene
Vent	On inlet
Membrane	Polyethersulfone (PES)
Support System	Polypropylene
Sealing	Heat-fused
Maximum Pressure	60 psi (4.1 Bar)
Flow Direction	If there is a prefilter, it is located on the inlet side and flow should follow arrows.
Non-Pyrogenic	LAL tested, non-reactive
Biosafety	Materials pass USP Class VI
Sterilization	Certain filter devices have been sterilized.* They may be autoclaved once at a minimum of 121°C for 20 minutes (maximum 132°C). However, an integrity test should be performed after autoclaving. [*Sterile and non-sterile options offered.]
Filtration Area	36 mm Capsule: 440 cm^2 (72 in^2); 75 mm Capsule: 930 cm^2 (144 in^2); 150 mm Capsule: 1,900 cm^2 (302 in^2)
Water Bubble Point (final membrane)	0.1 μm > 3.2 Bar (46 psi); 0.2 μm > 2.7 Bar (40 psi); 0.45 μm > 2.1 Bar (30 psi); 1.0 μm > 1.1 Bar (16 psi)

Applications

Aqueous solutions
 Biologicals
 Buffers
 Cleaning rinsing solutions
 Enzymes
 High quality water
 Particle counting solutions
 Pharmaceutical solutions
 Reagent preparation
 Salt solutions
 Tissue culture media
 Virus suspensions



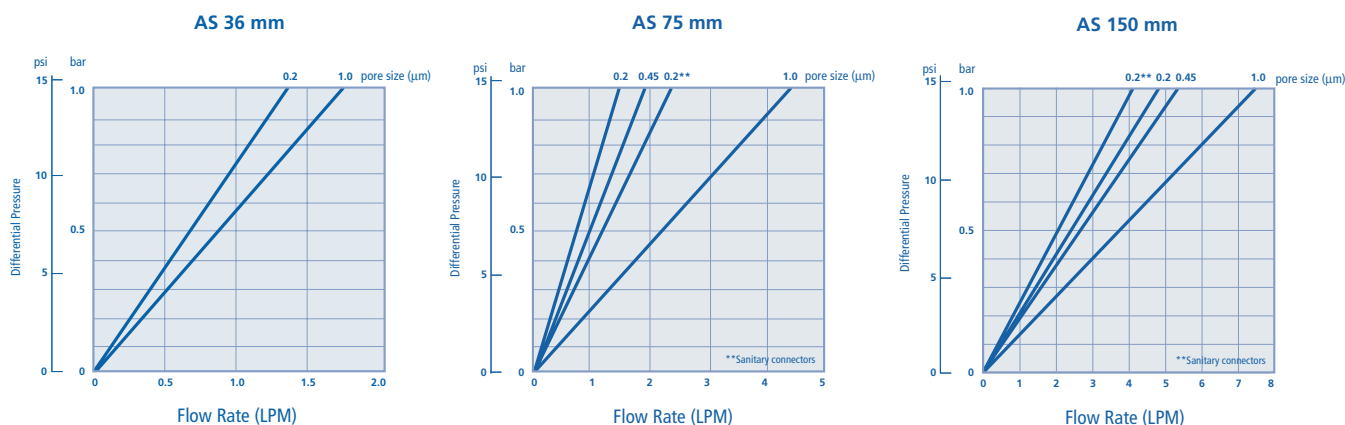
Polycap™ AS

Polycap AS is a unique product recommended for filtering aqueous solutions. It combines a glass microfiber (GMF) pre-filter and a nylon membrane, prolonging the life of the filter and allowing larger volumes and difficult samples to be filtered easily.

Features and Benefits

- First layer (GMF) acts as a pre-filter to ensure 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 bio-safe and has excellent flow rates
- Ultra-clean containing no surfactant or mold release agents
- Bonds thermally fused (no glues, adhesives or extraneous materials)
- Integrity-testable by bubble point, pressure decay or forward flow methods
- Provides highly effective filtration area in a small size
- Autoclavable; some pre-sterilized with gamma radiation
- Manufactured in clean room facilities under ISO Quality Systems Conditions

Water Flow Rates*



* Flow rates are indicative and vary by type of end fitting

Technical Specifications

Housing	Polypropylene
Vent	On inlet
Pre-filter	Glass microfiber double laminated with polyolefin monofilament non-woven
Membrane	Nylon
Support System	Polypropylene
Sealing	Heat-fused
Maximum Pressure	60 psi (4.1 Bar)
Non-Pyrogenic	LAL tested, non-reactive
Biosafety	Materials pass USP Class VI
Sterilization	These capsules are autoclavable at 121°C for 20 minutes (maximum temperature is 132°C). However, an integrity test should be performed after autoclaving.
Filtration Area	36 mm Capsule: 400 cm ² (62 in ²); 75 mm Capsule: 820 cm ² (127 in ²) 150 mm Capsule: 1,650 cm ² (256 in ²)
Water Bubble Point (Typical)	0.2 μm Membrane: 2.9 Bar (42 psi); 0.45 μm Membrane: 2.1 Bar (30 psi); 1.0 μm Membrane: 0.5 Bar (8 psi)

Applications

Admixtures
Biologicals
Buffers
Cleaning/rinsing solutions
Enzymes
Extemporaneous solutions
Immunologicals
Irrigation solutions
Ophthalmic solutions
Pharmaceutical
Reagent preparation
Salt solutions
Therapy solutions
Tissue culture media
Nutrients
Vins suspensions

PolyVENT™/SteriVENT™

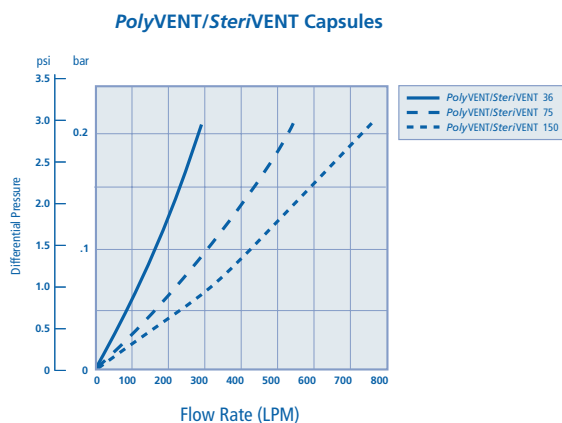
PolyVENT/SteriVENT is an integral filter product for sterile venting of vessels and tanks. These devices are constructed from a single, standardized set of materials—PTFE membranes and polypropylene housing—to simplify the approval process.



Features and Benefits

- Pass the HIMA Challenge Test for Sterilizing Grade Filters after 50 autoclave cycles
- Retain $>10^7$ CFU/cm² *Brevundimonas diminuta* per ASTM F838-83 standards; this microbial retention is correlated to 100% integrity testing during manufacturing (rated in liquid)
- Membrane made of hydrophobic 0.2 μ m PTFE membrane
- Validated for 50 steam autoclave cycles; compatible with EtO
- Testable by Water Break Through (WBT) test or bubble point testing
- Pass USP Class VI bio-safety tests for plastics
- Manufactured in clean room facilities
- Bi-directional and autoclavable

Air Flow Rates*



* Flow rates are indicative and vary by type of end fitting

Technical Specifications

Housing	Polypropylene
Filter Media	PTFE
Pore Size	0.2 μ m
Vent	On inlet
Support System	Polypropylene
Sealing	Heat-fused
Maximum Pressure	29 psi (2 Bar)—Forward direction
Water Break Through	29 psi (2 Bar)/15 seconds
Flow Direction	Supported bi-directionally. Certain applications may require orientation, i.e., vents. The pressure rating is not the same in both directions. Reverse flow only for low-pressure applications.
Biosafety	Materials pass USP Class VI
Sterilization	Can be autoclaved at 121°C for 20 minutes (maximum 132°C). Multiple autoclave cycles are possible. However, the responsibility for reuse is with the operator. The device should be protected from cross-contamination. An integrity test should be performed after autoclaving. Compatible with EtO sterilization.
Non-pyrogenic	LAL total, non-reactive
Filtration Area	36 mm Capsule: 500 cm ² ; 75 mm Capsule: 1,000 cm ² ; 150 mm: 2,000 cm ²

Applications

Venting (filling)
Isolation (incubators, autoclaves, lyophilizers, EtO sterilizers, fermenters)
Electronics (gases)



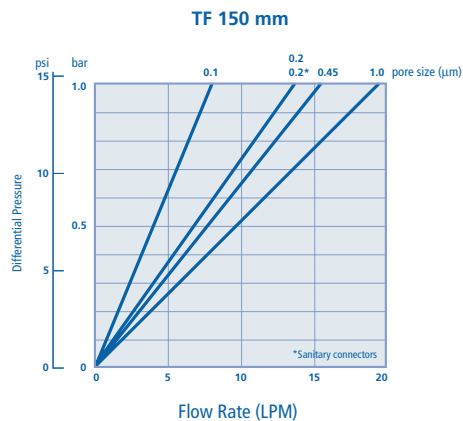
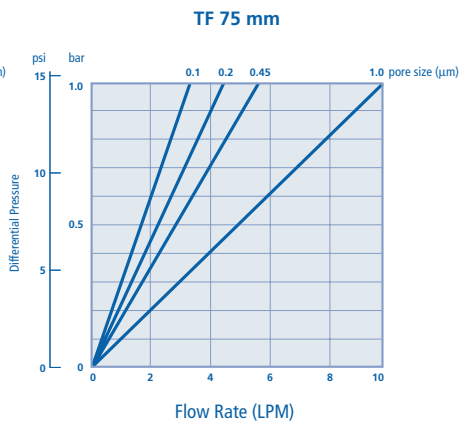
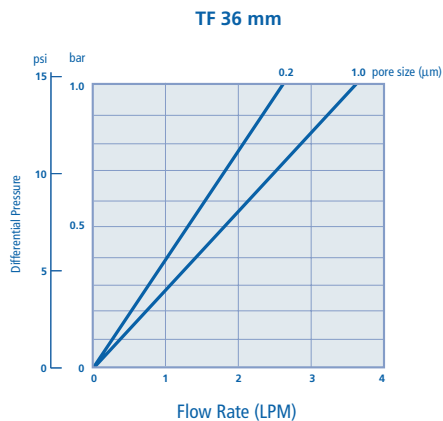
Polycap™ TF

Polycap TF filter devices are among the finest disposable encapsulated filters. These capsules are made with durable, hydrophobic polytetrafluoroethylene (PTFE) membranes in a polypropylene housing and are designed for use with organic solvents and chemically aggressive solutions.

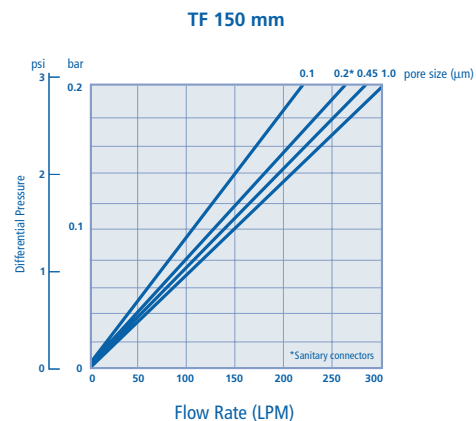
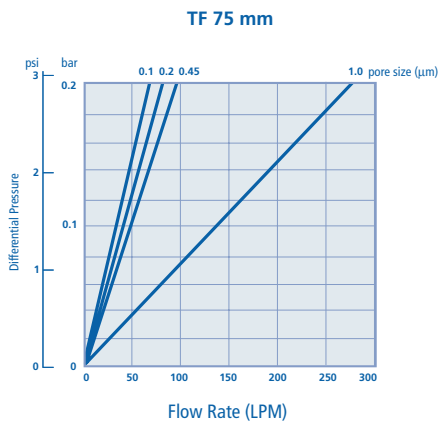
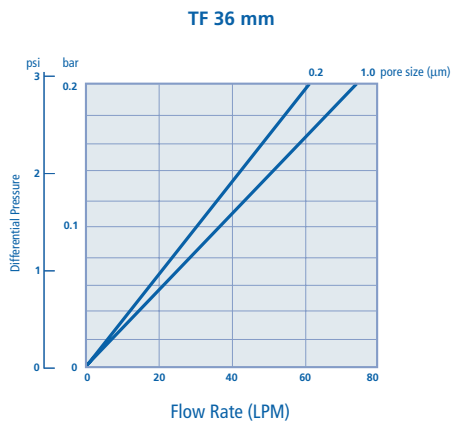
Features and Benefits

- Resistant to most solvents, autoclavable and integrity-testable
- Available in 0.05, 0.1, 0.2, 0.45 and 1.0 μm pore sizes
- 0.05 μm capsules designed for “ultra clean” applications; 1.0 μm used for extended life and filtration of highly contaminated solutions
- Able to be sterilized by autoclaving with steam or EtO
- Manufactured under very clean conditions in a Class 10,000 clean room and ISO quality system

Water Flow Rates*



Air Flow Rates*



* Flow rates are indicative and vary by type of end fitting

Technical Specifications

Housing	Polypropylene
Membrane	PTFE
Vent	On inlet
Support System	Polypropylene
Sealing	Heat-fused
Maximum Pressure	60 psi (4.1 Bar)
Flow Direction	Supported bi-directionally. Certain applications may require orientation, i.e., vents. Reverse flow only for low-pressure applications.
Biosafety	Materials pass USP Class VI
Sterilization	May be autoclaved at 121°C for 20 minutes (maximum 132°C). Multiple autoclave cycles are possible. However, the responsibility for reuse is with the operator. The device should be protected from cross contamination. An integrity test should be performed after autoclaving. Compatible with EtO sterilization.
Filtration Area	36 mm Capsule: 500 cm ² (77 in ²); 75 mm Capsule: 1,000 cm ² (155 in ²) 150 mm Capsule: 2,000 cm ² (310 in ²)
Methanol	0.1 µm Membrane: 1.7 Bar (25 psi); 0.2 µm Membrane: 0.9 Bar (13 psi);
Bubble Point	0.45 µm Membrane: 0.5 Bar (7 psi); 1.0 µm Membrane: 0.2 Bar (3 psi)

Applications

Venting
In-line filtration
Isolation
Electronics
Pharmaceutical
Biotech
Other uses
Laboratory

Product Selection Guide

		 1/4–3/8" SB		 3/8–1/2" SB		 1/2" HB		 1/4" MNPT		 3/8" FNPT		 1.5" Sanitary TC	
Inlets													
Outlet		 1/4–3/8" SB	 1/4–3/8" SB	 3/8–1/2" SB	 3/8–1/2" SB	 1/2" HB	 1/4–3/8" SB	 1/2" HB	 1/4" MNPT	 3/8" FNPT	 1.5" Sanitary TC		
POLYCAP TC/PES													
0.1 µm	75 mm	6714–7501+ ■											
	150 mm			6717–9501+ ■									
	36 mm (Bell)	6715–3601+ ■											
	75 mm (Bell)	6715–7501+ ■											
0.2 µm	36 mm	6714–3602+ ■		6717–3602+ ■			2622NS ▲						
	75 mm	6714–7502+ ■	6716–3612+ ■	2742C+ ▲					2742M ▲				
	150 mm			6717–9502+ ■								6704-9502 ▲	
	36 mm (Bell)	6715–3602+ ■					6716–3602+ ■						
	75 mm (Bell)	6715–7502+ ■											
	150 mm (Bell)		6718–9502+ ■										
0.8/0.2 µm	36 mm (Bell)	6715–3682+ ■											
	75 mm (Bell)	6715–7582+ ■											
	150 mm (Bell)		6718–9582+ ■										
0.45 µm	36 mm	6714–3604+ ■											
	75 mm	6714–7504+ ■		6717–7504+ ■									
	150 mm			6717–9504+ ■									
	36 mm (Bell)	6715–3604+ ■											
	75 mm (Bell)		6718–7504+ ■										
	1.0 µm	75 mm			6717–7510+ ■								
	150 mm			6717–9510+ ■									
POLYCAP AS													
0.2 µm	36 mm	6705–3602+ ■		6708–3602+ ■			6709–3602+ ■				2606T ▲		
	75 mm	6705–7502+ ■		6708–7502+ ■				6709–7502+ ■			2706T ▲	6705-2705 ▲	
	150 mm					2806+ ▲					2806T ▲	2805+ ▲	
	36 mm (Bell)	6706–3602+ ■											
	75 mm (Bell)	6706–7502+ ■											
0.45 µm	36 mm	6705–3604+ ■ 2607NS ▲											
	75 mm	6705–7504+ ■ 2707NS ▲		6708–7504+ ■			6709–7504+ ■						
1.0 µm	36 mm	6705–3610+ ■ 2608NS ▲											
	75 mm			6705–7510+ ■									
	150 mm					2808+ ▲							
POLYCAP TF													
0.05 µm	75 mm						6711–7505 ■						
0.1 µm	36 mm						6711–3601 ■						
	75 mm	6700–7501 ■							2700M ▲		2700T ▲		
	150 mm										2800T ▲		
0.2 µm	36 mm	6700–3602 ■					6711–3602 ■				2601T ▲		
	75 mm	6700–7502 ■		6710–7502 ■			6711–7502 ■		2702M ▲		2702T ▲		
	150 mm					2802 ▲					2802T ▲	2801 ▲	
0.45 µm	36 mm			6710–3604 ■			6711–3604 ■					26025 ▲	
	75 mm	6700–7504 ■					6711–7504 ■				2703T ▲		
	150 mm										2803T ▲		
1.0 µm	36 mm	6700–3610 ■									2603T ▲		
	75 mm	6700–7510 ■		6701–7510 ■									
	150 mm										2804T ▲		

+ Indicates sterile products. Products with suffix NS are non-sterile.

Product Selection Guide

		 1/4–3/8" SB		 3/8–1/2" SB		 1/2" HB		 1/4" MNPT		 3/8" FNPT		 1.5" Sanitary TC											
Inlets																							
Outlet		 1/4–3/8" SB		 1/4–3/8" SB		 3/8–1/2" SB		 3/8–1/2" SB		 1/2" HB		 1/4–3/8" SB		 1/2" HB		 1/4" MNPT		 3/8" FNPT		 1.5" Sanitary TC			
POLYVENT/STERVENT																							
0.2 µm	36 mm	6713–5036 ■				2103 ■																	
	75 mm					6713–1075 ■																	
	150 mm					2107 ■																	2108 ■

POLYCAP HD*

0.2 µm (Nom)/	36 mm																				2610T ▲	
0.45 µm (Abs)	75 mm							2710 ▲													2710T ▲	
	150 mm							6703–9502 ■													2810T ▲	
0.45 µm (Nom)/	36 mm	6703–3610 ■										6707–3612 ■									2611T ▲	
1.0 µm (Abs)	75 mm					6703–7510 ■															2711T ▲	
	150 mm							6703–9504 ■													2811T ▲	
1.0 µm (Nom)/	36 mm	6703–3650 ■																			2612T ▲	
5.0 µm (Abs)	75 mm					6703–7550 ■				2712 ▲						2712M ▲					2712T ▲	
	150 mm							6703–9510 ■													2812T ▲	
5.0 µm (Nom)/	36 mm	6703–3611 ■																			2613T ▲	
10.0 µm (Abs)	75 mm					6703–7511 ■				2713 ▲											2713T ▲	
	150 mm									2813 ▲											2813T ▲	
10.0 µm (Nom)/	36 mm	6703–3621 ■																			2614T ▲	
20.0 µm (Abs)	75 mm					6703–7521 ■				2714 ▲											2714T ▲	
	150 mm									2814 ▲											2814T ▲	

HEPA CAP

HEPA	36 mm	6702–3600 ■																			2609T ▲	
	75 mm					6702–7500 ■															2709T ▲	
	150 mm																				6702–9500 ■	

CARBON CAP

HEPA	75 mm					6704–7500 ■															2022S ▲
	150 mm					6704–1500 ■															

POLYCAP SPF

1.0 µm	36 mm	6705–3600 ■																				
	75 mm	6705–7500 ■																				
	150 mm									2820 ▲												

VACU-GUARD

PTFE	150 mm Carbon					6722–1001 ■																
	150 mm Desiccant					6722–1002 ■																
	150 mm Mol Sieve					6722–1003 ■																

POLYCAP GW

0.45 µm-PES	75 mm	6714–6004 ■																				
1.0 µm Polypro	75 mm	6703–6010 ■																				
5.0 µm Polypro	75 mm	6703–6050 ■																				

+ Indicates sterile products.

* Nominal rated at 90% removal efficiency; Absolute rated at 99% removal efficiency

■ 1 per pack

▲ 5 per pack

Part No. 2950—Capsule clamp also available as accessory

Whatman Quality



Whatman is a global leader in separations technology and is known in the scientific community for providing innovative Life Science products and solutions. Our instinct for simplification accelerates the rate of discovery, reduces costs and saves time. For more information, visit www.whatman.com.

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