

Polycap™ TC High-Capacity Capsules: Enabling Safe And Efficient Filtration In Critical Applications.

Experience Superior Retention Performance With PES Hydrophilic Membrane.

Whatman® Polycap™ TC High-Capacity Sterilizing Grade Capsules enable sterile filtration of critical biological and tissue culture solutions. They are specifically designed for applications that require a double layer of polyethersulfone (PES) microporous membrane.

Whatman Ingenuity: Enhancing Productivity.

Combining state-of-the-art materials with advanced design engineering, Polycap TC High-Capacity Sterilizing Grade Capsules represent the finest in-line disposable filtration devices available.

Polyethersulfone membrane. Inherently hydrophilic and biosafe, this low protein-binding membrane is low in extractables and features excellent flow rates.

Heightened filtration effectiveness.

Optimized prefilter membrane layer ensures long life and high efficiency levels.

Reliable polypropylene housing.

Support system (including drain screen, core, and end caps) is manufactured with polypropylene, a material with documented performance in biocompatibility and stability.

Microorganism retention. Passes HIMA Challenge Test for Sterilizing Grade Filters to retain $>10^7$ CFU/cm² *Brevundimonas diminuta* per ASTM 838-83 and FDA guidelines; microbial retention correlated to 100 percent integrity testing during manufacturing.

ISO-driven clean room manufacturing.

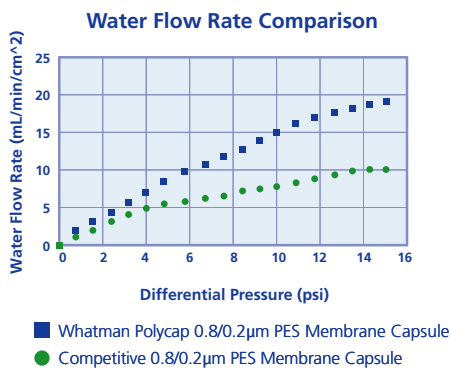
Compliance with quality standards ensures product consistency.

Compact and efficient design. Innovative engineering enables highly effective filtration in compact size.

Rugged construction. Durable filter housing can withstand maximum operating pressure of 60 psi (4.1 bar).

Accurate traceability. Stamped lot numbers ensure traceability of all critical components.

Validation guide. Available upon request.



Polycap TC High-Capacity Sterilizing Grade Capsules provide better flow rates than many competitive offerings.



Whatman Polycap TC High-Capacity Capsules.

Whatman®

TECHNICAL SPECIFICATIONS

| | |
|--------------------------------|--|
| Filter Housing | Polypropylene |
| Inlet/Outlet | 36mm: 1/4 to 3/8" (6-9mm) Stepped Barb (SB) [In & Out] 75mm: 1/4 to 3/8" (6-9mm) SB [In & Out] 150mm: 3/8 to 1/2" (9-13mm) SB [In] 1/4 to 3/8" (6-9mm) SB [Out] |
| Filter Media | Polyethersulfone (PES) |
| Support System | Polypropylene |
| Vent | On inlet |
| Rated Pore Size | 0.8/0.2µm (Absolute) |
| Integrity Test | Water Bubble Point—min of 40psi (2.8 bar) |
| Filtration Area | 36mm: 380cm ² (59in ²) 75mm: 760cm ² (118in ²) 150mm: 1,140cm ² (177in ²) |
| Wetting Characteristics | Hydrophilic |
| Max. Operating Pressure | 60psi (4.1 bar) |
| Flow Direction | Supported bi-directionally <i>Note: The Pre-filter in on the inlet side and flow should follow arrows.</i> |
| Microorganism Retention | Passes HIMA Challenge Test for Sterilizing Grade Filters to retain > 10 ⁷ CFU/cm ² <i>Brevudimonas diminuta</i> per ASTM 838-83 and FDA guidelines |
| Sterilization | Filter devices have been sterilized with Gamma Irradiation <i>Note: They may be autoclaved once at a minimum of 121°C for 20 minutes (maximum 132°C). However, perform an integrity test after autoclaving.</i> |
| Non-Pyrogenic | LAL tested, non-reactive |
| Biosafety | Materials pass USP Class VI |

Applications

- Pharmaceutical preparations
- Tissue culture media
- Reagent preparation
- Virus suspensions
- Enzyme solutions
- Biologicals
- Buffers
- Nutrient media

About Whatman

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. In order to focus on the unique needs of customers, Whatman is organized into five business development units: Analytical Chemistry, Diagnostics, Genetic Identification, Genomics & Proteomics and Medical Devices. For more information, visit www.whatman.com

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Polycap ORDERING GUIDE

| Pore Size | Capsule Size | Inlet/Outlet Connections | |
|-----------|--------------|-----------------------------------|---|
| | | 1/4 to 3/8" (6-9mm) SB [In & Out] | 3/8 to 1/2" (9-13mm) SB [In] 1/4 to 3/8 SB [Out] |
| 0.8/0.2µm | 36mm | 6715-3682 | — |
| | 75mm | 6715-7582 | — |
| | 150mm | — | 6718-9582 |

All Polycap TC Filter Capsule are packed sterile with filling bell with 0.8/0.2µm PES Membrane — 1 per pack.