

LUPW LAB CAPSULE FILTERS

HYDROPHILIC PES MEMBRANE FILTERS FOR STERILE FILTRATION OF PURIFIED WATER, BUFFERS, INFUSION SOLUTIONS, TISSUE CULTURE SOLUTIONS, AND PROTEIN SOLUTIONS

Cobetter® LUPW Lab Capsule Filters are disposable sterile, and read-to-use membrane filtration capsules. With inside membrane available in hydrophilic polyethersulfone (PES) membrane.

These filters are ideally suited for the sterile filtration of purified water, buffers, infusion solutions, tissue culture solutions, and protein solutions.

FEATURE	BENEFIT
Available in four filter media options with low hold-up volume, high throughput, and high flow rates	Hydrophilic PES Membrane: Instant wetting in aqueous solutions
Thermal welding technology	No adhesive resins to ensure capsule filter's cleanliness and long-use pressure endurance
Multiple connection options	Available in a variety of connector configurations to allow easy connection in most common applications.
Quality Assurance	Manufactured in a Class 10,000 Clean room in a facility which adheres to ISO 9001 Practices.

BIOLOGICAL SAFETY

Endotoxins	<0.25 EU/ml using Limulus Amebocyte Lysate (LAL) Testing
Bio-compatibility	Meet the requirement of USP Class VI

SPECIFICATIONS

Filter media	Hydrophilic polyethersulfone (PES) membrane
Cage/Core/Shell/End Cap	Polypropylene
Sealing Technology	Thermal Bonding
Filling Bell	Polycarbonate
Fittings	Inlet: 1/4" NPT; Outlet: 1/4 to 3/8" (6-9 mm) Stepped Hose Barb with filling bell



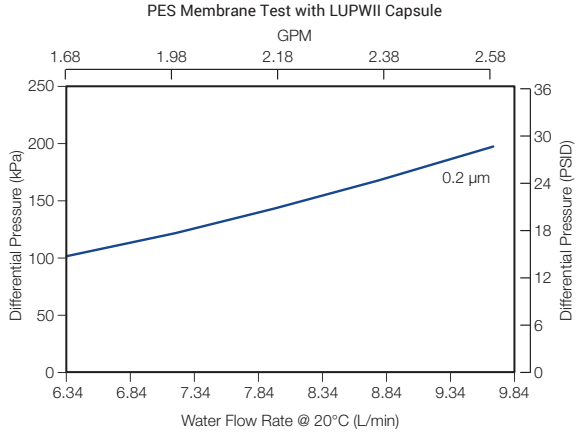
Typical Applications

Final Point-of-Use Filtration of:

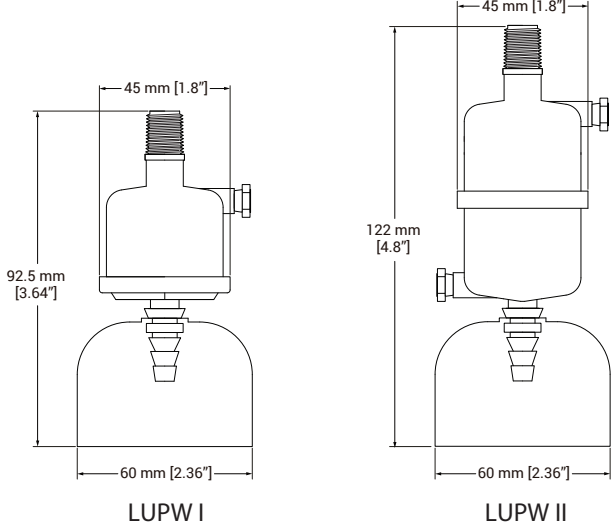
- Purified Water
- Infusion Solutions
- Tissue Culture
- Buffers
- Protein Solutions

Max. Operating Temperature	60°C (140°F) @ 2.1 bar (30.5 psi)
Max. Operating Pressure	0.4 Mpa (4.0 bar, 58 psi) @ 21°C (70°F) 0.24 Mpa (2.4 bar, 34.8 psi) @ 70°C (158°F)
Filtration Area	LUPW I: 150 cm ² (0.16 ft ²) LUPW II: 310 cm ² (0.33 ft ²)
Sterilization	Pre-sterilized upon request. Able to be sterilized by autoclaving with steam at 121°C for 30 minutes.

FLOW



DIMENSIONS



ORDERING INFORMATION

EXAMPLE: **LUPWI-PES0020P** = LUPW capsule, 262cm², PES, 0.20 µm, pharmaceutical

LUPW	—	PES		
Filtration Area I = 150cm ² II = 310cm ²		Filter Media* PES = Polyethersulfone	Removal Rating 0010 = 0.1 µm 0020 = 0.20 µm 0045 = 0.45 µm 0100 = 1.0 µm	Application M = Medical P = Pharmaceutical

*Other filter material available upon request.



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