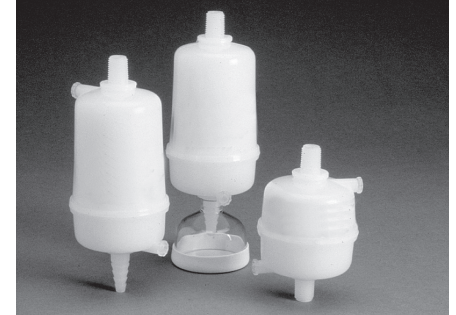


## POINT-OF-USE HIGH PURITY WATER FILTRATION CAPSULE FILTERS

- Designed to provide absolute final filtration after laboratory water purification products or standard service deionization systems
- The PES membrane provides for a filter that can provide water with pyrogen levels below current detection levels.
- Microporous membrane is made from hydrophilic polyethersulfone, providing a bacteria retentive filter based on Pseudomonas diminuta challenge (HIMA)
- Integrity tested and validatable, making them ideal for microelectronic and pharmaceutical applications
- Disposable housings are fusion welded without adhesives to ensure low extractables



### CARTRIDGE SPECIFICATIONS

Dimensions	Model #500	Model #1000
Filtration Area	500 cm <sup>2</sup>	1000 cm <sup>2</sup>
Diameter (OD)	2.7" (6.8 cm)	2.7" (6.8 cm)
Length/in (cm)	4.8" (12.2)	6.7" (16.9)
<b>Materials</b>		
Cartridge	Polypropylene caps, core and cage	
Media	Pleated polyethersulfone	
<b>Operating Parameters</b>		
Maximum Temperature	140° F (60° C) @ 30 psid (2.1 bar)	
Max. Oper. Pressure	60 psid (4.1 bar) @ 20° C	
Max. Momentary Pressure	100 psid (7.0 bar) @ 20° C	
Filtration Rating	100% Absolute	
Toxicity	Non-toxic by USP Class VI Biological test for plastics	
Validation	HIMA Bacterial challenge test methods (10 <sup>7</sup> organisms/cm <sup>2</sup> )	
<b>Recommended Water Flow Rates - gpm (lpm)</b>		
0.1 µm	0.04 (0.16)/1 psid	0.1 (0.38)/1 psid
0.2 µm	0.1 (0.38)/1 psid	0.3 (0.38)/1 psid
<b>Integrity Test - Pore Size (Minimum Water Bubble Point)</b>		
0.1 µm	≥ 90 psig (≥ 6.2 bar)	90 psig (≥ 6.2 bar)
0.2 µm	≥ 45 psig (≥ 3.1 bar)	≥ 45 psig (≥ 3.1 bar)
<b>Pore Size: Diffusional Flow (cc/min)</b>		
0.1 µm	≥ 4.0 cc/min at 50 psi (3.4 bar)	≥ 6.0 cc/min at 50 psi (3.4 bar)
0.2 µm	≥ 4.0 cc/min at 40 psi (2.8 bar)	≥ 6.0 cc/min at 40 psi (2.8 bar)
Sanitizing Agents	Hydrogen peroxide or autoclaved for 20 minutes at 121° C	

### ORDERING INFORMATION

Catalog Number and Description	
<b>FCCF</b>	<b>Capsule Filter</b>
<b>X</b>	Effective filter area: P = 1000 cm <sup>2</sup> electronics grade H = 500 cm <sup>2</sup> pharmaceutical grade E = 500 cm <sup>2</sup> electronics grade
<b>X</b>	Inlet fitting: 1 = 1/4" NPTM, 2 = 1/2" NPTM
<b>X</b>	Outlet fitting: 1 = 1/4" hose barb, 2 = 1/4" NPTM, 3 = 1/2" NPTM, 4 = 1/2" hose barb w/filling bell
<b>XX</b>	Micro rating: S1 = 0.1 µm, S2 = 0.2 µm

To figure your order number, replace the X with one of the numbered or lettered options beside it.