

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 polythersulfone, providing a bacteria retentive filter based on Pseudomonous 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



| Dimensions | Model #500 | Model #1000 |
|---|--|---|
| Filtration Area | 500 cm ² | 1000 cm ² |
| Diameter (OD) | 2.7" (6.8 cm) | 2.7" (6.8 cm) |
| Length/in (cm) | 4.8" (12.2) | 6.7" (16.9) |
| Materials | | |
| Cartridge | Polypropylene caps, core and | d cage |
| Media | Pleated polyethersulfone | |
| Operating Parameters | | |
| 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 B | iological test for plastics |
| Validation | HIMA Bacterial challenge te | st methods (10 ⁷ organisms/cm ²) |
| Recommended Water Flow Rates - gpm (lpm) | | |
| 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 |
| Integrity Test - Pore Size (Minimum Water Bubble Point) | | |
| 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) |
| Pore Size: Diffusional Flow (cc/min) | | |
| 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 | | |
| FCCF | Capsule Filter | |
| X | Effective filter area: P = 1000 cm ² electronics grade | |
| | H = 500 cm ² pharmaceutical grade | |
| | E = 500 cm ² electronics grade | |
| X | Inlet fitting: 1 = 1/4" NPTM, 2 = 1/2" NPTM | |
| X | Outlet fitting: $1 = 1/4$ " hose barb, $2 = 1/4$ " NPTM, $3 = 1/2$ " NPTM, $4 = 1/2$ " hose barb w/filling bell | |
| XX | Micro rating: S1 = 0.1 μm, S2 - 0.2 μm | |

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

24-Hour Customer Service: **+1 (800) 466-7873** www.evoqua.com

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