

Pleated Cellulose Acetate Membrane

Mem-PLEAT C & Pur-MAXX C

• Protein filtration

• Enzyme filtration

• Biological fluid sterilization

• Tissue culture media sterilization

Strainrite's [Pleated Cellulose Acetate Membrane Cartridges](#) were developed for the filtration of fluids that require a high degree of particle retention and/or constant bacterial barrier for effective sterilization. Our cellulose acetate membrane is manufactured under a proprietary manufacturing process that meets rigorous quality standards throughout every step of production. This process generates consistent lot-to-lot filtration properties among the membranes to ensure product uniformity.

These filter cartridges use highly asymmetric cellulose acetate supported membrane that is hydrophilic, which ensures excellent flow rates, quick wet out and rinse up characteristics. These cartridges are naturally low binding, which is excellent for applications where maximum recovery of protein is critical.

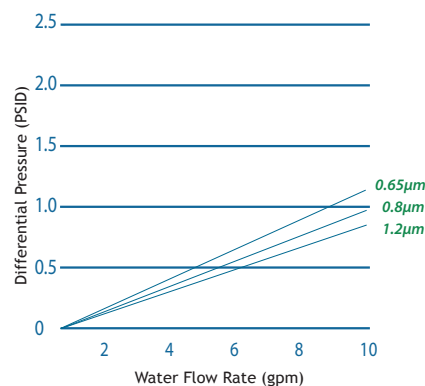
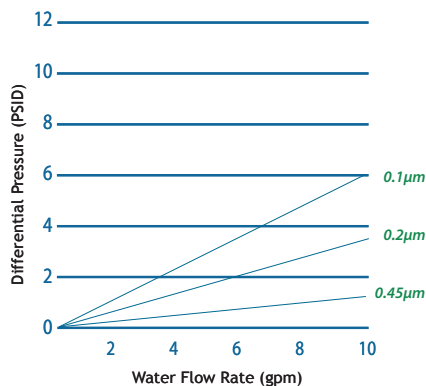


Features & Benefits

Mem-Pleat C & Pur-MAXX C

- High surface area elements offers excellent life and flux rates while providing absolute filtration
- Absolute-rated membrane provides reliable, consistent and repeatable filtrate quality
- Non-fiber shedding Polyester and Polypropylene support materials eliminate potential for fiber migration
- All materials of construction are FDA compliant with CFR Title 21, Pharmaceutical grades are bio-safe in accordance with USP Class VI
- 100% Thermally bonded construction
- Low extractables, which ensures filtrate will be clean with consistent results
- High strength design allowing for extended use and multi-autoclave cycles.
- Pharmaceutical Grade elements are 100% integrity tested
- Low protein binding
- Integrity tested

Performance Characteristics



Specifications

Absolute Rated Retention

0.10, 0.20, 0.45, 0.65, 0.80, 1.20

Maximum Differential Pressure

Forward: 75 psid (5.1 bar) @ 75°F (24°C)
 40 psid (2.8 bar) @ 180°F (82°C)
 Reverse: 50 psid (3.4 bar) @ 75°F (24°C)

Maximum Operating Temperature

180°F (82°C) Continuous Duty Polypropylene
 275°F (135°C) Continuous Duty Polyester

Toxicity

Cartridge materials meet USP Class VI and CFR 21 for food and beverage contact

Sterilization

Cartridge can be sterilized via steam or Autoclave: 20 times at 275°F (135°C)
 Cartridge may be sanitized in place with common sanitizing agents, contact factory for chemical compatibility

Packaging Economy

Bulk packaging in case quantities to reduce material disposal:

5 inch	48 per carton
10 inch	24 per carton
20 inch	12 per carton
30 inch	12 per carton
40 inch	9 per carton

Materials of Construction

Filter Media

Cellulose Acetate

End Caps

Polypropylene
 Polyester

Pleat Support Material

Polypropylene
 Polyester

Cage/Core

Polypropylene
 Polyester

Seals

Buna N
 Fluorocarbon
 EPDM
 Silicone
 PTFE
 FEP Encapsulated Fluorocarbon
 FEP Encapsulated Silicone

Sealing

Thermal Bond

Dimensions

Mem-Pleat C

Outside Diameter
 2.55" (6.48cm)

Approx. Surface Area
 6.8ft² per 10" equivalent

Lengths

5" (12.7cm)
 10" (25.4cm)
 20" (50.8cm)
 30" (76.2cm)
 40" (102cm)

Pur-MAXX C

Outside Diameter
 2.7" (6.87cm)

Approx. Surface Area
 6.8ft² per 10" equivalent

Lengths

5" (12.7cm)
 10" (25.4cm)
 20" (50.8cm)
 30" (76.2cm)
 40" (102cm)

Ordering Information

