

Pleated Polysulfone Membrane

Mem-PLEAT S & Pur-MAXX S

▪ Ink jet ink

▪ High purity aqueous chemicals

▪ DI water Pre and Post filter

▪ DI water Point-of-use

Strainrite's **Pleated Polysulfone Membrane Cartridges** were developed for the filtration of process fluids that require a high degree of particle retention and/or constant bacterial barrier for effective sterilization.

Hydrophilic asymmetric polysulfone membrane ensures excellent flow rates, broad chemical compatibility, low protein binding, low extractability, high mechanical strength, and temperature resistance in a variety of applications for the biopharmaceutical, microelectronics, chemical, food and beverage industries.

These cartridges meet USP Biological Reactivity Test, in vivo for class VI-121°C plastics. Sterilizable using industry recognized and accepted methods.

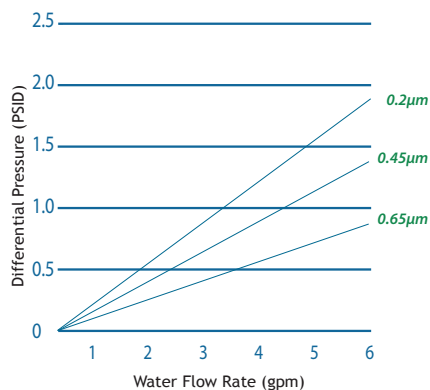
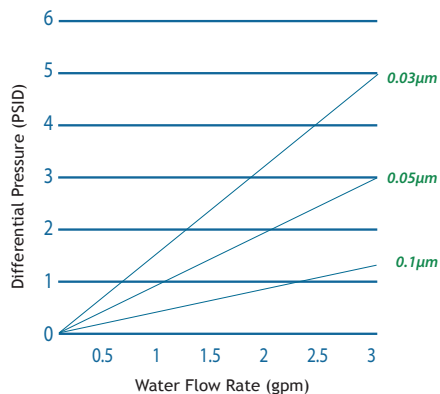


Features & Benefits

Mem-Pleat S & Pur-MAXX S

- Highly tapered asymmetric pore structure which offers excellent flow rates and high solids loading characteristics
- Absolute-rated membrane provides reliable, consistent and repeatable filtrate quality
- Non-fiber shedding polypropylene support materials eliminate fiber migration
- Maximum pleat design for greater surface area, ensuring longer service life, fewer change outs and reduced operating costs per element
- All materials of construction are FDA compliant with CFR Title 21, pharmaceutical grades are bio-safe in accordance with USP Class VI
- Thermally bonded construction without the use of adhesives or binders, resulting in lower extractables

Performance Characteristics



Specifications

Absolute Rated Retention

0.03, 0.05, 0.10, 0.20, 0.45, 0.65

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

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

Polysulfone

End Caps

Polypropylene

Pleat Support Material

Polypropylene

Cage/Core

Polypropylene

Seals

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

Sealing

Thermal Bond

Dimensions

Mem-Pleat S

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 S

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

