

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.

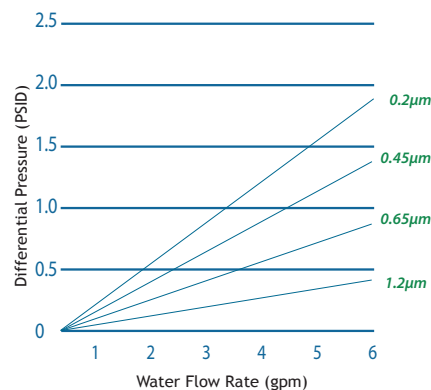
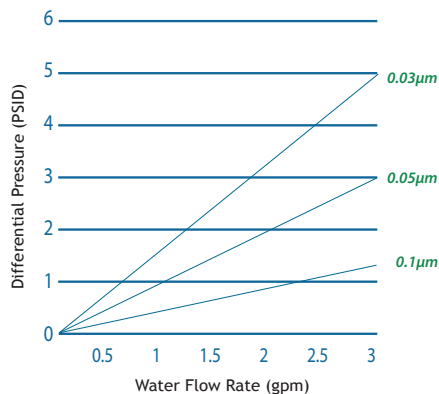


Features & Benefits

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, 1.2

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

FEP Encapsulated Fluorocarbon

FEP Encapsulated Silicone

PTFE Foam

PTFE Hard

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

