

Mem-PLEAT T & Pur-MAXX T

Pleated PTFE Membrane

▶ PHOTORESISTS
▶ ELECTRONIC GRADE
SOLVENTS

▶ PHARMACEUTICAL
SOLVENTS
▶ HOT DEIONIZED WATER

Strainrite's [Pleated PTFE Membrane Cartridges](#) were developed for critical filtration applications where PTFE and polypropylene materials are compatible.

Utilizing a proprietary PTFE membrane casting method we are able to achieve a pore configuration that optimizes cartridge flow rates with absolute and reliable particle and microorganism retention. This unique combination of features positions them as one of the most reliable and economical PTFE membranes in the market.

These cartridges are manufactured and tested in our 3rd party certified clean room with components that meet USP Class VI Biological Reactivity Test resulting in extremely low extractables. These high purity elements are perfect for biopharmaceutical, microelectronics and high purity chemical applications.

The Pur-MAXX T now offers a Special Pleat option, which provides expected surface area improvements of as much as 25%. This optimized pleat geometry option was developed for the filtration of process fluids that require a high degree of particle retention and/or constant bacterial barrier for effective sterilization.



- ▶ PHARMACEUTICAL GRADE ELEMENTS ARE 100% INTEGRITY TESTED
- ▶ HIGH FLOW RATES
- ▶ LOW EXTRACTABLES
- ▶ THERMALLY BONDED CONSTRUCTION
- ▶ FDA LISTED MATERIALS PER CFR 21
- ▶ MANUFACTURED IN CERTIFIED CLEAN ROOMS

SPECIAL PLEAT OPTION:

- ▶ OPTIMIZED PLEAT GEOMETRY
- ▶ EXPECTED SURFACE AREA IMPROVEMENTS OF AS MUCH AS 25%

ORDER GUIDE



ABSOLUTE RATED RETENTION

0.1, 0.2

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

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

FILTER MEDIA

PTFE

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

CONSTRUCTION METHOD

Thermal Bond

OUTSIDE DIAMETER

MPT: 2.55" (6.48cm) | PRMXT: 2.7" (6.87cm)

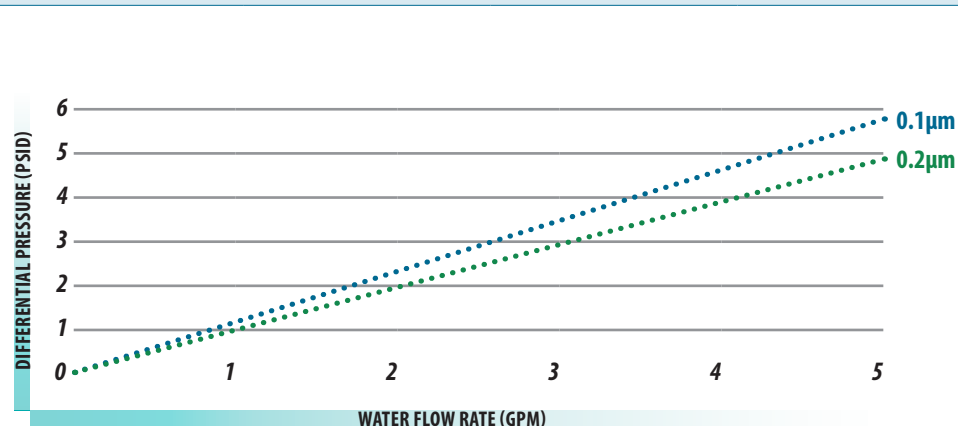
APPROXIMATE SURFACE AREA

6.8 square feet per 10" equivalent

LENGTHS

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

PERFORMANCE CHARACTERISTICS



ORDER OPTIONS

CARTRIDGE	
MPT PRMXT	Mem-Pleat T (2.55") Pur-MAXX T (2.7")
MICRON RATINGS	
0.1, 0.2	
CARTRIDGE LENGTH	
5, 10, 20, 30, 40	
END CAP CONFIGURATIONS	
C1	Double Open Ends
C2	213/Recessed Cup
C3	Flat/222
C4	Single Open End/Flat
C5	Recessed Cup/222
C6	Flat/226
C7	Fin/226
C8	Fin/222
GASKET / O-RING MATERIAL	
S	Silicone
B	Buna N
V	Fluorocarbon
E	EPDM
TF	PTFE Foam
TH	PTFE Hard
TV	Encapsulated Fluorocarbon
TS	Encapsulated Silicone
CARTRIDGE GRADE	
- 2	General Pharmaceutical
CARTRIDGE OPTIONS	
I DIF	316 SS Insert DI Flush
SPECIAL PLEAT OPTION	
SP	Special Pleat (PRMXT only)