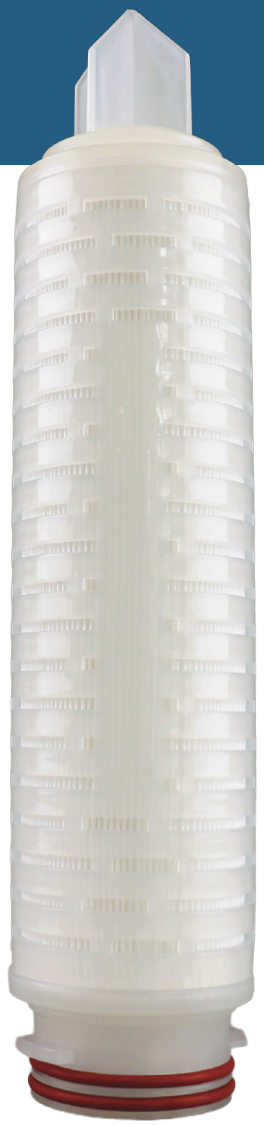
Mem-PLEAT S & Pur-MAXX S

Pleated Polysulfone Membrane

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **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



PRODUCT DESCRIPTION

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.

The Pur-MAXX S 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.

ABSOLUTE RATED RETENTION
0.03, 0.05, 0.1, 0.2, 0.45, 0.65 µm

OUTSIDE DIAMETER
MPS: 2.55" (6.48cm) | PRMXS: 2.7" (6.87cm)

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)

APPROX SURFACE AREA
6.8 square feet per 10" equivalent

MAXIMUM OPERATING TEMPERATURE
220°F (104°C) Continuous Duty Polypropylene

PLEAT SUPPORT MATERIAL
Polypropylene

FILTER MEDIA
Polyethersulfone

PRODUCTION PROCESS
Thermal Bond

CAGE/CORE
Polypropylene

END CAPS
Polypropylene

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

STERILIZATION
Cartridge can be sterilized via steam or Autoclave: 40 times, for 60 minutes at 257°F (125°C) and 3psi
Cartridge may be sanitized in place with common sanitizing agents, contact factory for chemical compatibility

SEALS
Buna N | Fluorocarbon | EPDM | Silicone | FEP Encapsulated Fluorocarbon | FEP Encapsulated Silicone | PTFE Foam | PTFE Hard

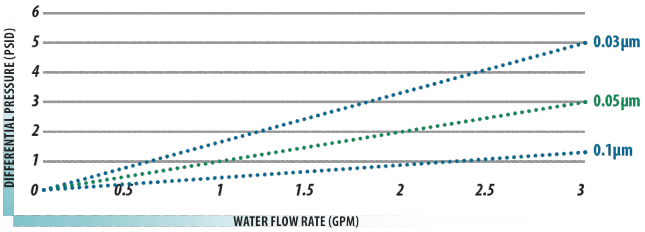
PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal:
5 inch - 48 per carton | 10 inch - 24 per carton | 20 inch - 12 per carton | 30 inch - 12 per carton | 40 inch - 9 per carton

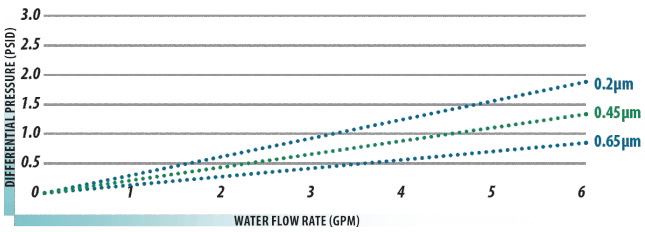
LENGTHS
5 inch (12.7 cm) | 10 inch (25.4 cm) | 20 inch (50.8 cm) | 30 inch (76.2 cm) | 40 inch (102 cm)

SPECIFICATIONS

SCAN FOR MORE INFO

PERFORMANCE CHARACHTERISTICS





v 1026

ORDER OPTIONS

CARTRIDGE	MICRON RATING	LENGTH	END CAP	O-RINGGRADE	GRADE	OPTIONS
MPS I Mem-Pleat S (2.55")	0.03 µm	5"	**C1** = Double Open Ends	**S** = Silicone	- = General	**I** = 316 SS Insert
PRMXS I Pur-MAXX S (2.7")	0.05 µm	10"	**C2** = 213/Recessed Cup	**B** = Buna N	**1** = FDA Grade	**DIF** = DI Flush
	0.1 µm	20"	**C3** = Flat/222	**V** = Fluorocarbon	**5** = Water	
	0.2 µm	30"	**C4** = Single Open End/Flat	**E** = EPDM		**PLEAT OPTION**
	0.45 µm	40"	**C5** = Recessed Cup/222	**TF** = PTFE Foam		**SP** = Special Pleat (PRMXS only)
	0.65 µm		**C6** = Flat/226	**TH** = PTFE Hard		
			C7 = Fin/226	**TV** = Encapsulated Fluorocarbon		
			C8 = Fin/222	**TS** = Encapsulated Silicone		

MPS / PRMXS	0.45	–	10	C1	S	1	–	DIF	MPS0.45-10C1S1-DIF
	MICRON RATING		CARTRIDGE LENGTH	END CAP CONFIGURATION	GASKET / O-RING MATERIALS	CARTRIDGE GRADE		CARTRIDGE OPTIONS	