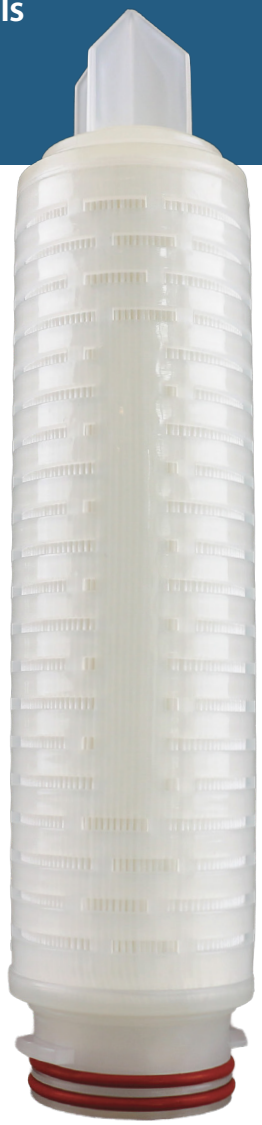
Mem-PLEAT CN & Pur-MAXX CN

Pleated Charged Nylon 6,6 Membrane

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Meets USP biological tests** for USP Class VI – 121°C plastics, in vivo and cyto-toxicity tests, in vitro
- **100% hydrophilic materials of construction** that are FDA listed as suitable for contact with food and beverage
- **Pharmaceutical grade elements** are 100% integrity tested
- **Absolute-rated media** provides reliable, consistent and repeatable filtrate quality
- **High surface area**, yielding lower pressure drops and longer filter life
- **Positive zeta potential** for removal of particles smaller than absolute rating of filter
- **Non-fiber shedding polyester and polypropylene support materials** eliminates fiber migration
- **Lower filter extractables** than other hydrophilic membranes



PRODUCT DESCRIPTION

Strainrite's Pleated Charged Nylon Membrane Cartridges are manufactured with highly retentive, naturally hydrophilic, Nylon membranes that have an added cationic, positively charged, functional group. The positive surface charge or positive zeta potential, provides enhanced retention of smaller negatively charged particles such as endotoxins by electrokinetic mechanisms.

These cartriges provide absolute particle retention by size exclusion while having the added benefit of removing significantly smaller, negatively charged particles. The charged Nylon 6,6 membrane provides excellent wetout characteristics and superior flow performance per surface area in an allpolypropylene construction, as compared to other membrane cartridges.

These cartridges are perfectly suited for critical applications where superior flow and particle removal efficiency between 0.04 and 1.2 micron is required.

The Pur-MAXX CN now offers a Special Pleat option, which provides expectedsurface 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
0.1, 0.2, 0.45, 0.65, 0.8, 1.2 µm

OUTSIDE DIAMETER
MPN: 2.55" (6.48cm) | PRMXN: 2.7" (6.87cm)

PRODUCTION PROCESS
Thermal Bond

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

PLEAT SUPPORT MATERIAL
Polypropylene
Polyester

FILTER MEDIA
Nylon 6,6 cast on Polyester

CAGE/CORE/ENDCAPS
Polypropylene | Polyester

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

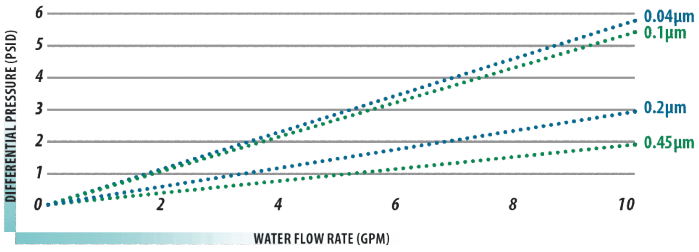
PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal:
5 inch - 48 per carton | 10 inch - 24 per carton | 20 inch - 12 per carton | 30 inch - 12 per carton | 40 inch - 9 per carton

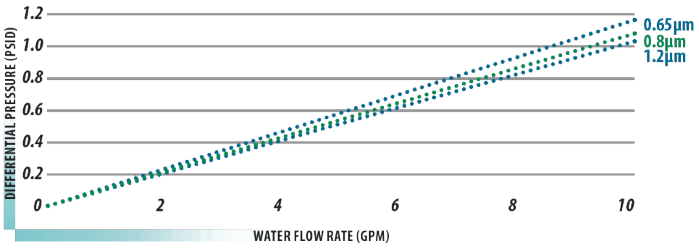
LENGTHS
5 inch (12.7 cm) | 10 inch (25.4 cm) | 20 inch (50.8 cm) | 30 inch (76.2 cm) | 40 inch (102 cm)

SPECIFICATIONS

SCAN FOR MORE INFO

PERFORMANCE CHARACHTERISTICS





v 1026

ORDER OPTIONS

CARTRIDGE	RATINGS	ENGTHS	SUPPORT	END CAP	O-RING	GRADE	OPTIONS
MPCN	Mem-Pleat CN (2.55")	0.04 µm	5"	**PP** = Polypropylene	**C1** = Double Open Ends	**S** = Silicone	- = General	**I** = 316 SS Insert
PRMXCN	Pur-MAXX CN (2.7")	0.1 µm	10"	**PE** = Polyester	**C2** = 213/Recessed Cup	**B** = Buna N	**1** = FDA Grade	**DIF** = DI Flush
		0.2 µm	20"		**C3** = Flat/222	**V** = Fluorocarbon	**2** = Pharmaceutical	**APH** = All Polyester Hardware
		0.45 µm	30"		**C4** = Single Open End/Flat	**E** = EPDM	**5** = Water	
		0.65 µm	40"		**C5** = Recessed Cup/222	**TF** = PTFE Foam		**PLEAT OPTION**
		0.8 µm			**C6** = Flat/226	**TH** = PTFE Hard		**SP** = Special Pleat (PRMCN only)
		1.2 µm			**C7** = Fin/226	**TV** = Encapsulated Fluorocarbon		
					C8 = Fin/222	**TS** = Encapsulated Silicone		

MPCN / PRMCN	0.1	–	10	PP	C1	S	2	DIF	MPCN0.10-10PPC1S2DIF
	MICRON RATING		CARTRIDGE LENGTH	PLEAT SUPPORT	END CAP CONFIGURATION	GASKET / O-RING MATERIALS	CARTRIDGE GRADE	CARTRIDGE OPTIONS	