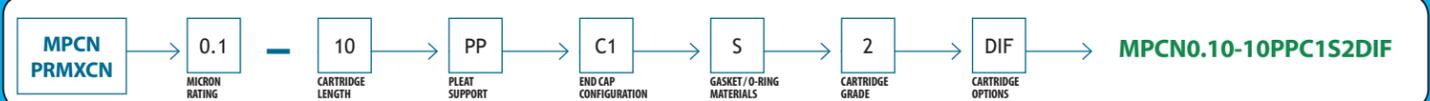


Mem-PLEAT CN & Pur-MAXX CN

Pleated Charged Nylon 6,6 Membrane

- ▶ API CHEMICALS
- ▶ REAGENT-GRADE CHEMICALS
- ▶ ENDOTOXIN REMOVAL
- ▶ FINE CHEMICALS
- ▶ BIOLOGICAL FLUIDS
- ▶ SILICA REMOVAL

ORDER GUIDE



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 cartridges 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 wet-out characteristics and superior flow performance per surface area in an all-polypropylene 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 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.



- ▶ MEETS USP BIOLOGICAL TESTS FOR USP CLASS VI – 1210C PLASTICS, IN VIVO AND CYTOTOXICITY 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
- ▶ IPA PRE-WETTING NOT REQUIRED
- ▶ INTEGRITY TESTABLE

SPECIAL PLEAT OPTION:

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

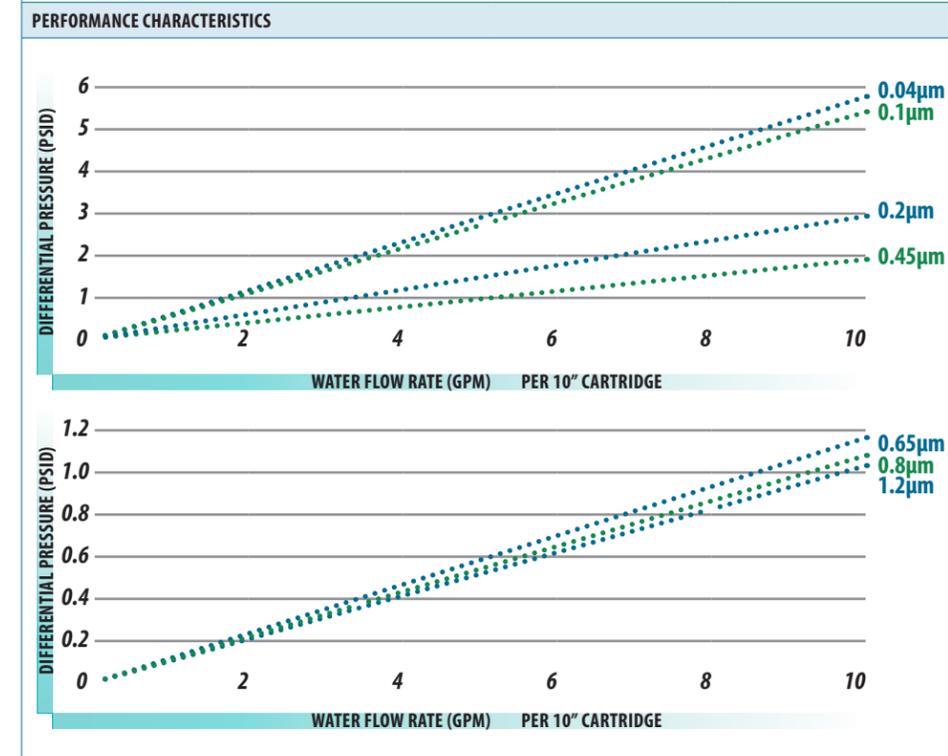
NEED A VESSEL FOR YOUR CARTRIDGES?

For the Mem-Pleat CN and Pur-MAXX CN, the following vessel types are most commonly used:

SRCT—PAGE 126 SRC—PAGE 128

As always, discuss your options with your local sales representative to find the best fit for your application.

ABSOLUTE RATED RETENTION			
0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 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 Polypropylene		275°F (135°C) Continuous Duty Polyester	
TOXICITY			
Cartridge materials meet CFR 21 for food and beverage contact			
STERILIZATION			
Cartridge can be sterilized via steam or Autoclave 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			
FILTER MEDIA	END CAPS	PLEAT SUPPORT MATERIAL	CAGE/CORE
Charged Nylon 6,6 cast on Polyester	Polypropylene Polyester	Polypropylene Polyester	Polypropylene Polyester
SEALS			
Buna N Fluorocarbon EPDM Silicone FEP Encapsulated Fluorocarbon FEP Encapsulated Silicone PTFE Foam PTFE Hard			
CONSTRUCTION METHOD			
Thermal Bond			
OUTSIDE DIAMETER		APPROXIMATE SURFACE AREA	
MPCN: 2.55" (6.48cm) PRMXCN: 2.7" (6.87cm)		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)			



ORDER OPTIONS

CARTRIDGE	
MPCN PRMXCN	Mem-Pleat CN (2.55") Pur-MAXX CN (2.7")
MICRON RATINGS	
0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1.2	
CARTRIDGE LENGTH	
5, 10, 20, 30, 40	
PLEAT SUPPORT	
PP PE	Polypropylene Polyester
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	
-	General
1	FDA Grade
2	Pharmaceutical
5	Water
CARTRIDGE OPTIONS	
I	316 SS Insert
DIF	DI Flush
APH	All Polyester Hardware
SPECIAL PLEAT OPTION	
SP	Special Pleat (PRMXCN only)