

Mem-PLEAT N & Pur-MAXX N

Pleated Nylon 6,6 Membrane

▶ API CHEMICALS
▶ REAGENT-GRADE
CHEMICALS

▶ FINE CHEMICALS
▶ BIOLOGICAL
FLUIDS

Strainrite's [Pleated Nylon Membrane Cartridges](#) are highly retentive, naturally hydrophilic nylon membrane filters that are specially designed for critical filtration requirements of aqueous fluids.

The Nylon 6,6 membrane, in an all-polypropylene construction*, provides excellent wet-out characteristics and superior flow performance per surface area as compared to other membrane cartridges. No additives, resins, surfactants or binders are used in the manufacturing process, which dramatically reduces rinse up time, extractables and downtime.

These cartridges are perfectly suited for critical applications where superior flow, and particle removal efficiency between 0.1 and 1.2 micron is required.

The Pur-MAXX N 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.

**Filter medium is cast on a polyester support.*



- ▶ 100% HYDROPHILIC MATERIALS OF CONSTRUCTION THAT ARE FDA LISTED AS SUITABLE FOR CONTACT WITH FOOD AND BEVERAGE
- ▶ ABSOLUTE-RATED MEDIA PROVIDES RELIABLE, CONSISTENT AND REPEATABLE FILTRATE QUALITY
- ▶ NO ADHESIVES, BINDERS, RESIN OR SURFACTANTS ARE USED DURING MANUFACTURING, RESULTING IN SUPERIOR DOWNSTREAM CLEANLINESS
- ▶ LOWER FILTER EXTRACTABLES THAN OTHER HYDROPHILIC MEMBRANES
- ▶ HIGH SURFACE AREA, YIELDING LOWER PRESSURE DROPS AND LONGER FILTER LIFE
- ▶ NON FIBER-SHEDDING POLYESTER AND POLYPROPYLENE SUPPORT MATERIALS ELIMINATE FIBER MIGRATION
- ▶ PHARMACEUTICAL GRADE ELEMENTS ARE 100% INTEGRITY TESTED
- ▶ IPA PRE-WETTING NOT REQUIRED
- ▶ INTEGRITY TESTABLE

SPECIAL PLEAT OPTION:

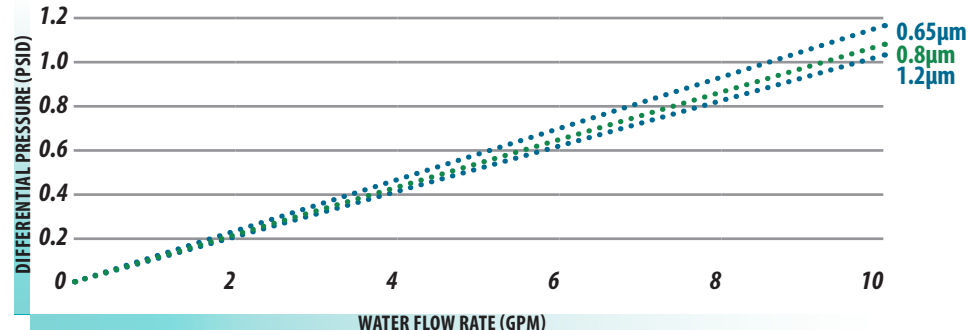
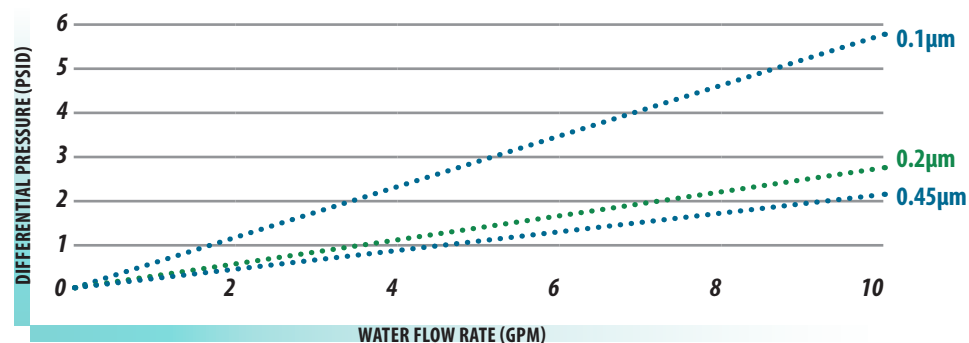
- ▶ OPTIMIZED PLEAT GEOMETRY
- ▶ EXPECTED SURFACE AREA IMPROVEMENTS OF AS MUCH AS 25%

ORDER GUIDE



ABSOLUTE RATED RETENTION			
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
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	
MPN: 2.55" (6.48cm) PRMXN: 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)			

PERFORMANCE CHARACTERISTICS



ORDER OPTIONS

CARTRIDGE	
MPN PRMXN	Mem-Pleat N (2.55") Pur-MAXX N (2.7")
MICRON RATINGS	
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 DIF APH	316 SS Insert DI Flush All Polyester Hardware
SPECIAL PLEAT OPTION	
SP	Special Pleat (PRMXN only)