

Mem-PLEAT N & Pur-MAXX N

Pleated Nylon 6,6 Membrane

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **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

PRODUCT DESCRIPTION

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.



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

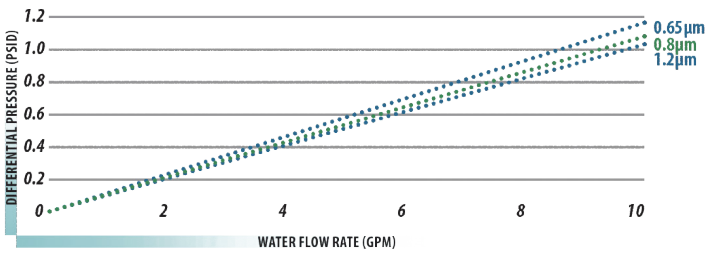
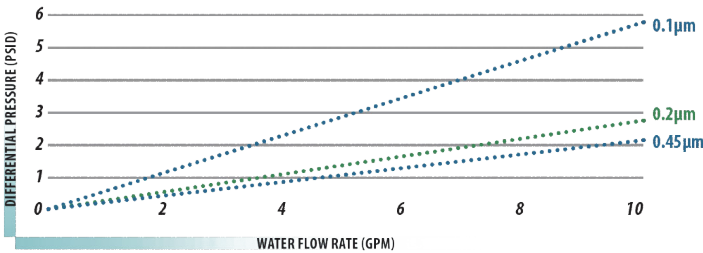
LENGTHS

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

v 1026

PERFORMANCE CHARACHTERISTICS



ORDER OPTIONS

CARTRIDGE	RATINGS	LENGTHS	SUPPORT	END CAP	O-RING	GRADE	OPTIONS
MPN Mem-Pleat N (2.55") PRMXN Pur-MAXX N (2.7")	0.1 µm 0.2 µm 0.45 µm 0.65 µm 0.8 µm 1.2 µm	5" 10" 20" 30" 40"	PP = Polypropylene PE = Polyester	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	S = Silicone B = Buna N V = Fluorocarbon E = EPDM TF = PTFE Foam TH = PTFE Hard TV = Encapsulated Fluorocarbon TS = Encapsulated Silicone	= General 1 = FDA Grade 2 = Pharmaceutical 5 = Water	I = 316 SS Insert DIF = DI Flush APH = All Polyester Hardware PLEAT OPTION SP = Special Pleat (PRMXN only)

