

Endo-MAXX CN

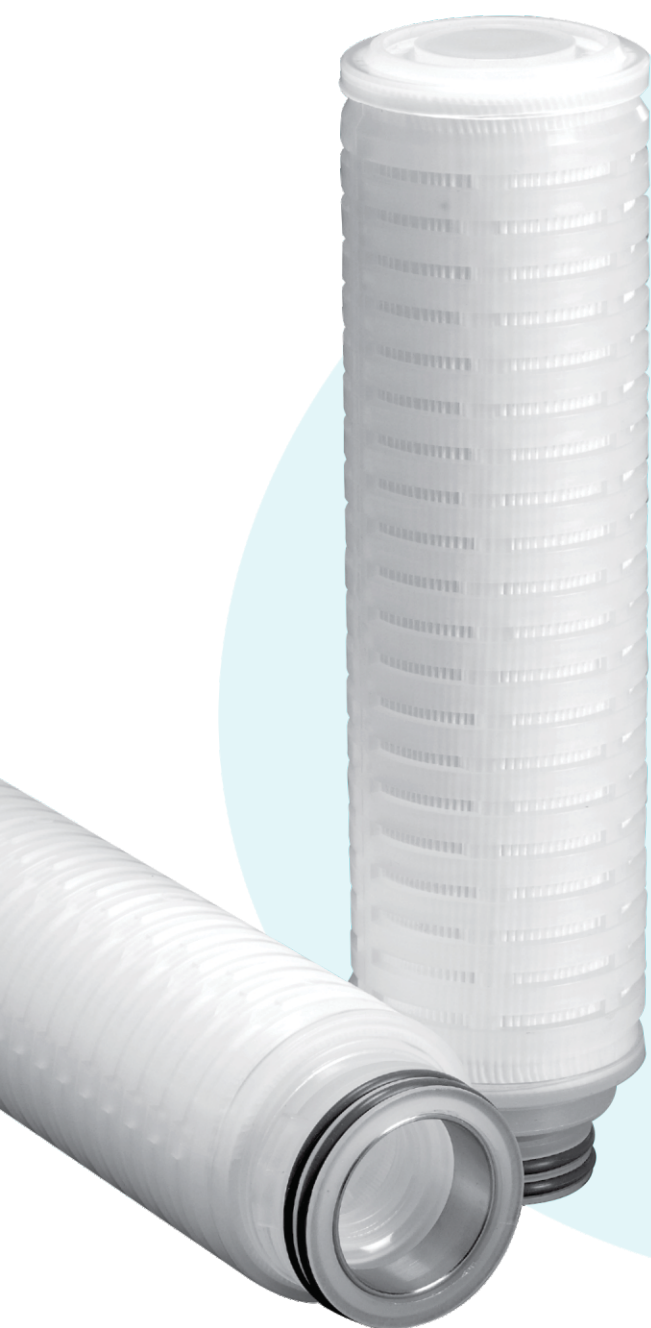
Charged Nylon Pleated Membrane Cartridge

Clarity
clear solutions

The Endo-Maxx CN was developed for the filtration of fluids that require a high degree of particle and bacterial retention while achieving a two and a half log reduction of endotoxin.

Hydrophilic charged nylon membrane provides excellent flow rates, broad chemical compatibility, low extractability, high mechanical strength, and temperature resistance in a variety of applications for the biopharmaceutical and dialysis processes.

The Endo-MAXX CN meets USP Biological Reactivity Test, in vivo for class VI-121°C plastics. Sterilizable using industry recognized and accepted methods.



Features and Benefits

- Integrity tested Endo toxin removal filter.
- Absolute-rated membrane provides reliable, consistent and repeatable filtrate quality
- MAXX-imum 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
- Low hold-up volumes
- Positive zeta potential for removal of charged particles smaller than the absolute retention rating of the filter
- Manufactured in an ISO 9001:2008 Certified Quality System

Typical Applications

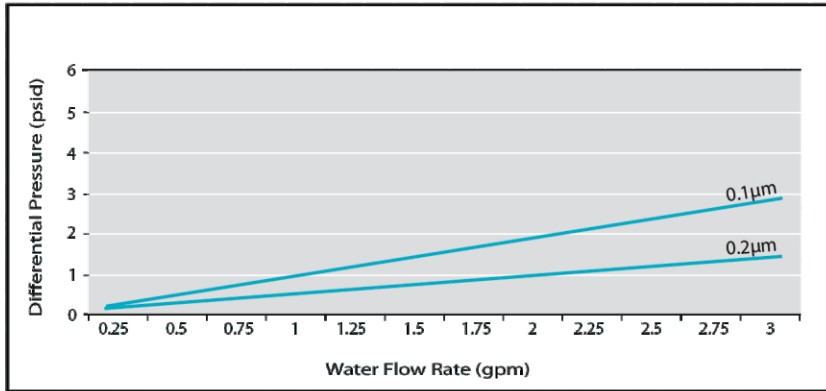
Endotoxin Removal
High Purity Water

Distributed by:

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EDX Pressure Drop vs. Flow Rate



Materials of Construction

Filter Media:	Nylon 6,6
Support Material:	Nylon
End Caps:	Polypropylene
Cage/Core:	Polypropylene
Sealing:	Thermal Bond
Seals:	Buna N, Fluorocarbon, EPDM, FEP Encapsulated Fluorocarbon, PTFE, Silicone

Endotoxin Reduction

The Endo-MAXX CN cartridge media has been third party verified to deliver a >2 log reduction of bacterial endotoxin using the gel-clot characterization method.

Product Specifications

Dimensions

Outside Dia:	2.7" (6.87cm)
Lengths:	10" (25.4cm), 20" (50.8cm), 30" (76.2cm), 40" (102cm)
Surface Area:	6.8ft ² per 10" equivalent

Performance Specifications:

Absolute Rated Retention:

0.1, 0.2

Maximum Forward Differential Pressure

Forward:	75 psid (5.5 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

Toxicity

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

Sterilization

Cartridge can be sterilized via steam or Autoclave: 20 times at 275°F (135°C) 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:

10 inch	24 per carton
20 inch	12 per carton
30 inch	12 per carton
40 inch	9 per carton

Cartridge Series
ex. **EDXCN**

Micron Rating
0.1

Length
-10

End Cap Configurations
C7

Endo-MAXX CN

0.1
0.2

10
20
30
40

C3-SOE flat closed ends, external 222 O-ring
C6-SOE flat closed end, external 226 O-ring
C7-SOE fin end, external 226 O-ring
C8-SOE fin end, external 222 O-ring

Gasket/O-ring Materials

S

S - Silicone (standard O-rings)
B - Buna N (standard gaskets)
V - Fluorocarbon
E - EPDM
T - PTFE
TV - FEP Encapsulated Fluorocarbon

2 - Pharmaceutical

Options

I - 316 Stainless Steel Insert
DIF - DI Flush