

Pur-MAXX S

Pleated Polysulfone Membrane Cartridge

The Pur-MAXX S was developed for the filtration of process fluids that require a high degree of particle retention and/or constant bacterial barrier for effective sterilization.

Hydrophilic asymmetric polysulfone membrane ensures excellent flow rates, broad chemical compatibility, low protein binding, low extractability, high mechanical strength, and temperature resistance in a variety of applications for the biopharmaceutical, microelectronics, chemical, food and beverage industries.

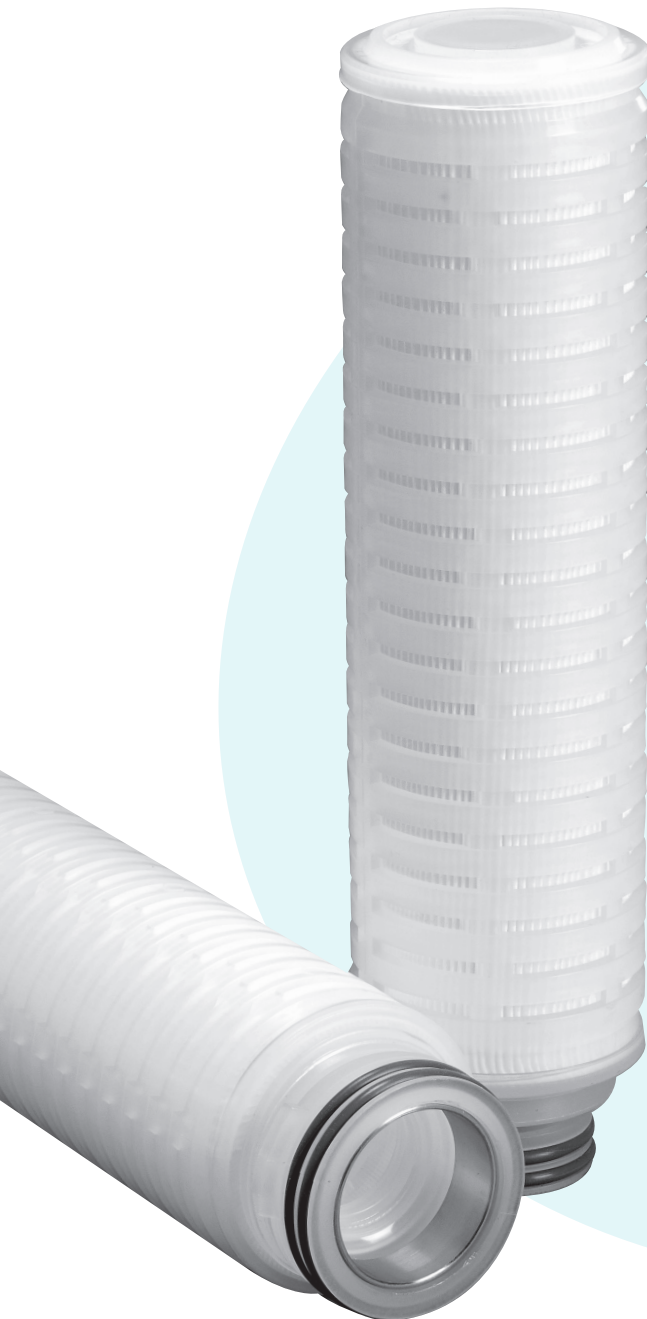
The Pur-MAXX S meets USP Biological Reactivity Test, in vivo for class VI-121°C plastics. Sterilizable using industry recognized and accepted methods.

Features and Benefits

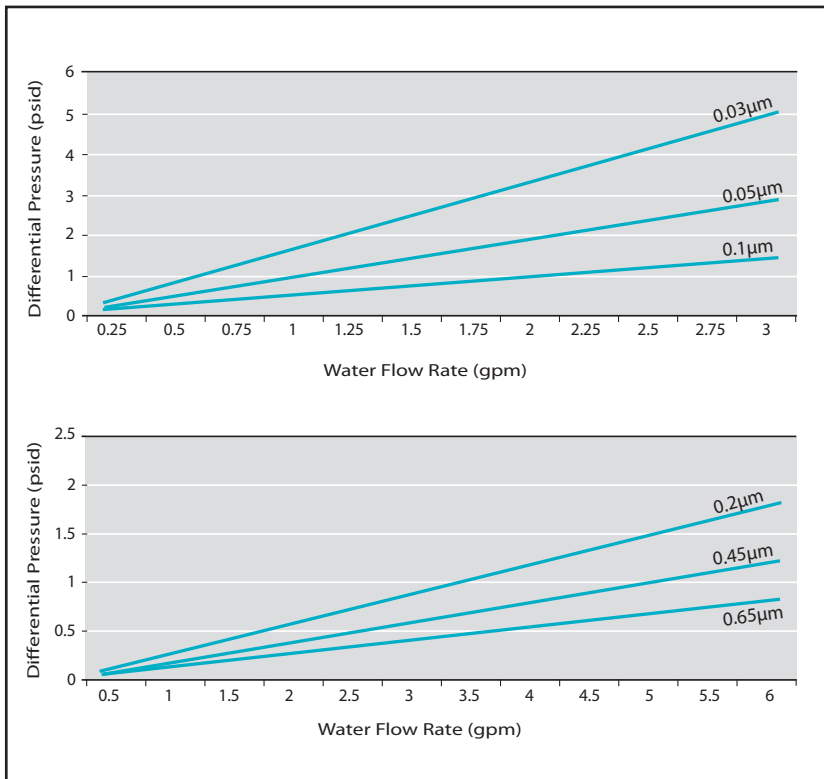
- Highly tapered asymmetric pore structure which offers excellent flow rates and high solids loading characteristics
- Absolute-rated membrane provides reliable, consistent and repeatable filtrate quality
- Non-fiber shedding Polypropylene support materials eliminate fiber migration
- MAXX-imum Pleat 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
- Pharmaceutical and Electronics grades are integrity testable

Typical Applications

Ink jet ink
High purity aqueous chemicals
DI water Pre and Post filter
DI water Point-of-use



PRMXS Pressure Drop vs. Flow Rate



Materials of Construction

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

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:
0.03, 0.05, 0.10, 0.20, 0.45, 0.65

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. PRMXS	Micron Rating 0.2	Length -10	End Cap Configurations C7	Gasket/O-ring Materials S	Cartridge Grade
Pur-MAXX S	0.03	10	C1-DOE flat open ends	S - Silicone (standard O-rings)	Blank-General
	0.05	20	C2-SOE recessed cup, internal 213 O-ring	B - Buna N (standard gaskets)	1 - FDA Grade
	0.10	30	C3-SOE flat closed ends, external 222 O-ring	V - Fluorocarbon	2 - Pharmaceutical
	0.20	40	C4-SOE flat closed end	E - EPDM	3 - Electronics
	0.45		C5-SOE recessed cup, external 222 O-ring	T - PTFE	5 - Water
	0.65		C6-SOE flat closed end, external 226 O-ring	TV - FEP Encapsulated Fluorocarbon	Options
			C7-SOE fin end, external 226 O-ring		I - 316 Stainless
			C8-SOE fin end, external 222 O-ring		Steel Insert
					DIF - DI Flush