



SPECIAL PLEAT

Optimized Pleat Geometry Membrane

Strainrite's **Optimized Pleat Geometry Membrane Cartridges** were 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 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.

These cartridges meet USP Biological Reactivity Test, in vivo for class VI-121°C plastics when Pharmaceutical grade is selected. Sterilizable using industry recognized and accepted methods.†

- ▶ **OPTIMIZED PLEAT GEOMETRY MAXIMIZES SURFACE AREA AND OFFERS EXCELLENT LIFE AND FLUX RATES, WHILE PROVIDING ABSOLUTE-RATED FILTRATION**
- ▶ **LOW PRESSURE DROPS YIELD HIGHER FLOW RATES AND REDUCED PROCESSING TIME**
- ▶ **HIGH STRENGTH DESIGN ALLOWING FOR EXTENDED USE AND MULTI-AUTOCCLAVE CYCLES**
- ▶ **NON FIBER-SHEDDING SUPPORT MATERIALS ELIMINATE FIBER MIGRATION**
- ▶ **PLEAT DESIGN FOR GREATER SURFACE AREA, ENSURING LONGER SERVICE LIFE, FEWER CHANGE OUTS AND REDUCED OPERATING COSTS PER ELEMENT**

STRAINRITE'S SPECIAL-PLEAT TECHNOLOGY PROVIDES MORE SURFACE AREA AND IMPROVED FILTRATION PERFORMANCE.

STRAINRITE'S SPECIAL-PLEAT TECHNOLOGY IS AVAILABLE FOR THE FOLLOWING CARTRIDGES:

- PUR-MAXX E (POLYETHERSULFONE MEMBRANE)**
- PUR-MAXX S (POLYSULFONE MEMBRANE)**
- PUR-MAXX N (NYLON MEMBRANE)**
- PUR-MAXX CN (CHARGED NYLON MEMBRANE)**
- PUR-MAXX T (PTFE MEMBRANE)**
- PUR-MAXX C (CELLULOSE ACETATE MEMBRANE)**
- POLY-MAXX (ABSOLUTE-RATED POLYPROPYLENE DEPTH)**
- POLY-MAXX G (NOMINALLY RATED POLYPROPYLENE DEPTH)**
- FIBER-MAXX (ABSOLUTE-RATED MICROGLASS DEPTH)**
- FIBER-MAXX G (NOMINALLY RATED MICROGLASS DEPTH)**



†316 Stainless Insert (I) Option is recommended for autoclaving, SIP, or any method involving thermal cycling

ORDER OPTIONS

CARTRIDGE	
PRMXE	Pur-MAXX E (2.7")
PRMXS	Pur-MAXX S (2.7")
PRMXN	Pur-MAXX N (2.7")
PRMXCN	Pur-MAXX CN (2.7")
PRMXT	Pur-MAXX T (2.7")
PRMXC	Pur-MAXX C (2.7")
PMX	Poly-MAXX (2.7")
PMXG	Poly-MAXX G (2.7")
FMX	Fiber-MAXX (2.7")
FMXG	Fiber-MAXX G (2.7")
MICRON RATINGS	
PRMXE: 0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1.2	
PRMXS: 0.03, 0.05, 0.1, 0.2, 0.45, 0.65	
PRMXN: 0.1, 0.2, 0.45, 0.65, 0.8, 1.2	
PRMXCN: 0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1.2	
PRMXT: 0.1, 0.2	
PRMXC: 0.1, 0.2, 0.45, 0.65, 0.8, 1.2	
PMX: 1, 1.5, 2.5, 5, 10, 15, 20, 40, 70	
PMXG: 0.25, 0.5, 1, 2.5, 5, 8, 12, 20, 30, 50	
*FMX: 0.8, 0.9, 1, 2, 3, 5, 10, 15	
FMXG: 0.2, 0.45, 0.65, 1, 5, 10	
CARTRIDGE LENGTH	
5, 10, 20, 30, 40	
PLEAT SUPPORT	
-	**PRMXS, PRMXT, PMX, PMXG
PP	Polypropylene
PE	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 (not available in PRMXT)
2	Pharmaceutical (not available in PRMXS)
5	Water (not available in PRMXT, PRMXC, PMX, PMXG, FMX, FMXG)
CARTRIDGE OPTIONS	
I	316 SS Insert
DIF	DI Flush
APH	**All Polyester Hardware
SPECIAL PLEAT OPTION	
SP	Special Pleat

*FMX offers FDA grade in the following microns: 0.8, 1, 3, 5, 10
 **PRMXS, PRMXT, PMX, PMXG offer polypropylene pleat support only and do not require the inclusion of this code in their order number; All Polyester Hardware not available

ORDER GUIDE

