

Duo-PLEAT & Duo-MAXX

Dual Pleated Cartridges



PRODUCT HIGHLIGHTS

- **Reliable** non-fiber releasing media
- **Synchronized** media
- **No additives** or glue
- **All materials of construction** are FDA compliant with CFR Title 21
- **Thermally bonded construction** without adhesives or binders, resulting in lower extractables
- **High strength design** allowing for extended use and multi-autoclave cycles

PRODUCT DESCRIPTION

Designed as a "Pre-Final" filter, Strainrite's [Depth Over Membrane Cartridges](#) were created to protect final filters saving money and extending the life of your final filters. These filters incorporate a synchronized media design. This design utilizes a prefiltration layer up-stream over a final membrane layer in the same cartridge. These filters are a pre-filter and a final filter in one.

These filters are available in multiple micron ranges and combinations to meet the requirements of your process. They are available in two prefiltration materials: polypropylene microfiber and borosilicate microglass. The final filtration layer is available in Nylon, polysulfone, cellulose acetate, and Strainrite's asymmetric polyethersulfone membrane.



ABSOLUTE RATED RETENTION

Polyethersulfone: 0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1, 1.2, 2 µm
Polysulfone: 0.2, 0.45, 0.65 µm
Nylon: 0.1, 0.2, 0.45, 0.65, 0.8, 1.2 µm

OUTSIDE DIAMETER

MPC: 2.55" (6.48cm) | PRMXC: 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

Polyethersulfone
Nylon
Polysulfone

PRE FILTER MEDIA

Polyethersulfone
Nylon
Polysulfone

CAGE/CORE/ENDCAPS

Polypropylene | Polyester

TOXICITY

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

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

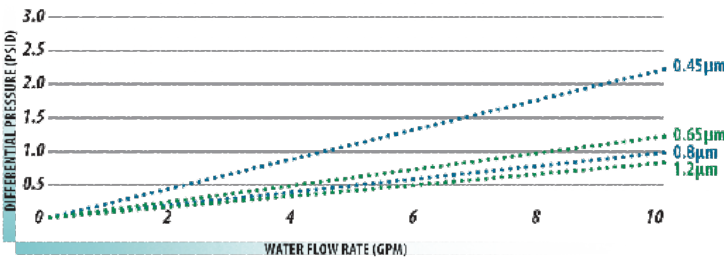
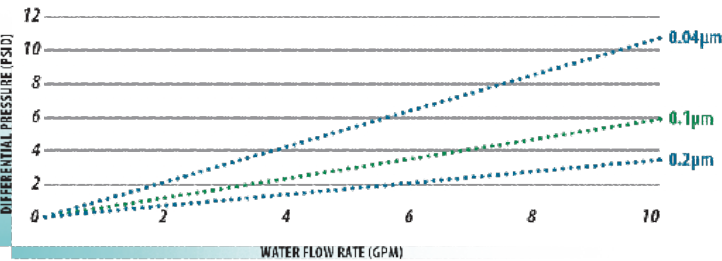
LENGTHS

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

v1 0926

PERFORMANCE CHARACHTERISTICS



ORDER OPTIONS

CARTRIDGE	PRE FILTER	MICRON RATINGS	MEMBRANE	LENGTHS	PLEAT SUPPORT	END CAP	O-RING	GRADE	OPTIONS
DP Duo-Pleat (2.55") DMX Duo-MAXX (2.7")	GF = Borosilicate Microglass MF = Polypropylene Microfiber	E = 0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1.1, 2 µm N = 0.1, 0.2, 0.45, 0.65, 0.8, 1.2 µm S = 0.2, 0.45, 0.65 µm	E = Polyethersulfone N = Nylon S = Polysulfone	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 2 = Pharmaceutical	I = 316 SS Insert DIF = DI Flush

