Duo-PLEAT & Duo-MAXX

Dual Pleated Cartridges

Clarity clear solutions

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 Strainrites' 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

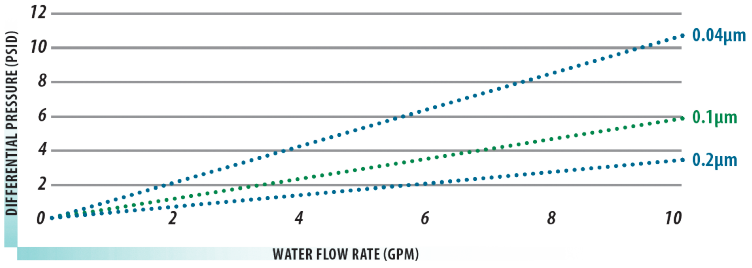
PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal:
5 inch - 48 per carton | 10 inch - 24 per carton | 20 inch - 12 per carton | 30 inch - 12 per carton | 40 inch - 9 per carton

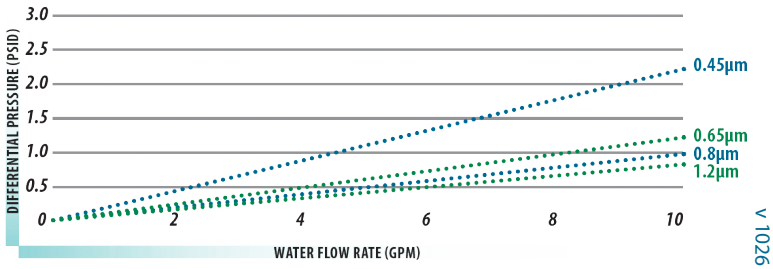
LENGTHS
5 inch (12.7 cm) | 10 inch (25.4 cm) | 20 inch (50.8 cm) | 30 inch (76.2 cm) | 40 inch (102 cm)

SPECIFICATIONS

SCAN FOR MORE INFO

PERFORMANCE CHARACHTERISTICS





v 1026

ORDER OPTIONS

CARTRIDGE	PRE FILTER	MICRON RATINGS	MEMBRANE	LENGTHS	PLEAT SUPPORT	END CAP	O-RING	GRADE	OPTIONS
DP I Duo-Pleat (2.55") **DMX** I 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, 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

DP / DMX	GF	0.04	–	E	10	PP	C1	S	-	DIF	DPGF0.04-10EPP10C1SDIF
	PRE FILTER	MICRON RATING		MEMBRANE	CARTRIDGE LENGTH	PLEAT SUPPORT	END CAP CONFIGURATION	GASKET / O-RING MATERIALS	CARTRIDGE GRADE	CARTRIDGE OPTIONS	