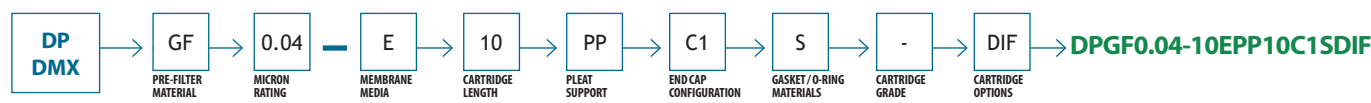


Duo-PLEAT & Duo-MAXX

Dual Pleated Cartridges

- ▶ BIOPHARMACEUTICAL
- ▶ VISCIOUS FLUIDS
- ▶ PRE-FINAL ULTRA PURE WATER
- ▶ BIOBURDEN REDUCTION
- ▶ VISCIOUS POLYMERS
- ▶ PRE-FINAL HIGH PURITY CHEMICALS

ORDER GUIDE



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.

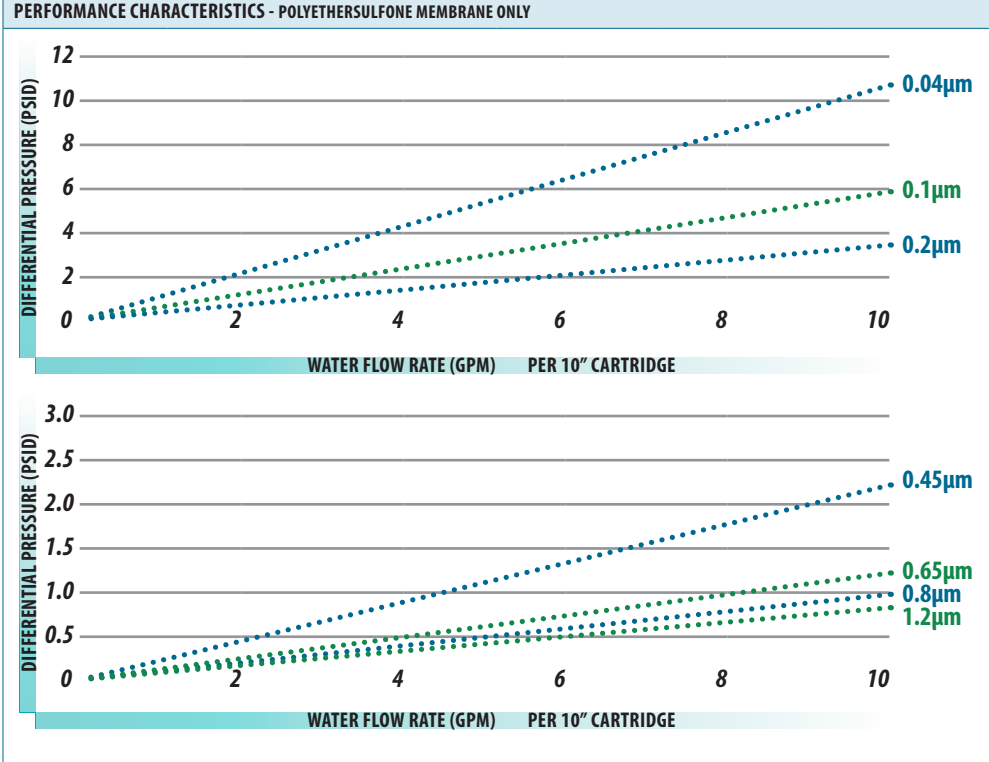
These filters are available in multiple micron ranges and combinations to meet the requirements of your process. They are available in two prefiltration materials: polypropylene microfiber and borosilicate microglass. The final filtration layer is available in Nylon, polysulfone, cellulose acetate, and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



- ▶ RELIABLE NON FIBER RELEASING MEDIA
- ▶ SYNCHRONIZED MEDIA
- ▶ THERMALLY BONDED CONSTRUCTION
- ▶ 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-AUTOCLOAVE CYCLES

NEED A VESSEL FOR YOUR CARTRIDGES?
 For the Duo-Pleat and Duo-MAXX, the following vessel types are most commonly used:
 SRCT—PAGE 126 SRC—PAGE 128
 As always, discuss your options with your local sales representative to find the best fit for your application.

ABSOLUTE RATED RETENTION					
Polyethersulfone: 0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1, 1.2, 2					
Polysulfone: 0.2, 0.45, 0.65					
Nylon: 0.1, 0.2, 0.45, 0.65, 0.8, 1, 2					
MAXIMUM DIFFERENTIAL PRESSURE					
Forward:			Reverse:		
75 psid (5.1 bar) @ 75°F (24°C)			50 psid (3.4 bar) @ 75°F (24°C)		
40 psid (2.8 bar) @ 180°F (82°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:					
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					
PRE-FILTER MEDIA	FILTER MEDIA	PLEAT SUPPORT MATERIAL	END CAPS	CAGE/CORE	CONSTRUCTION METHOD
Borosilicate Microglass Polypro. Microfiber	Polyethersulfone Nylon Polysulfone	Polypropylene Polyester	Polypropylene Polyester	Polypropylene Polyester	Thermal Bond
SEALS					
Buna N Fluorocarbon EPDM Silicone FEP Encapsulated Fluorocarbon FEP Encapsulated Silicone PTFE Foam PTFE Hard					
OUTSIDE DIAMETER		APPROXIMATE SURFACE AREA			
DP: 2.55" (6.48cm) DMX: 2.7" (6.87cm)		Polypropylene Microfiber: 6 square feet per 10" equivalent		Borosilicate Microglass: 5 square feet per 10" equivalent	
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)					



ORDER OPTIONS

CARTRIDGE	
DP DMX	Duo-Pleat (2.55") Duo-MAXX (2.7")
PRE-FILTER MATERIAL	
GF MF	Borosilicate Microglass Polypropylene Microfiber
MICRON RATINGS	
E: 0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1, 1.2, 2 N: 0.1, 0.2, 0.45, 0.65, 0.8, 1.2 S: 0.2, 0.45, 0.65	
MEMBRANE	
E N S	Polyethersulfone Nylon Polysulfone
CARTRIDGE LENGTH	
5, 10, 20, 30, 40	
PLEAT SUPPORT	
PP PE	Polypropylene Polyester
END CAP CONFIGURATIONS	
C1 C2 C3 C4 C5 C6 C7 C8	Double Open Ends 213/Recessed Cup Flat/222 Single Open End/Flat Recessed Cup/222 Flat/226 Fin/226 Fin/222
GASKET / O-RING MATERIAL	
S B V E TF TH TV TS	Silicone Buna N Fluorocarbon EPDM PTFE Foam PTFE Hard Encapsulated Fluorocarbon Encapsulated Silicone
CARTRIDGE GRADE	
- 1 2	General FDA Grade Pharmaceutical
CARTRIDGE OPTIONS	
I DIF	316 SS Insert DI Flush