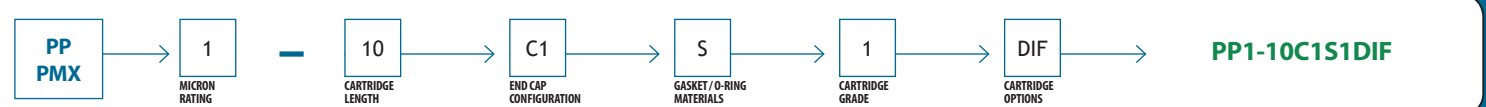


Pur-PLEAT & Poly-MAXX

Absolute-Rated Polypropylene Depth

- ▶ RECIRCULATING LIQUIDS
- ▶ DI/RO PREFILTRATION
- ▶ WASTE WATER
- ▶ GENERAL WATER FILTRATION
- ▶ REAGENT GRADE CHEMICALS

ORDER GUIDE



Strainrite's **Absolute-Rated Polypropylene Depth Cartridges** are designed to optimize throughput while achieving absolute and repeatable effluent quality. Our filter media is constructed on the latest continuous microfiber blowing equipment that accurately controls fiber diameter and integrity.

Utilizing state-of-the-art, on-line monitoring equipment, Strainrite delivers the industry's most uniform media, ensuring unparalleled product consistency. Our 100% polypropylene construction provides an expansive chemical compatibility range for your most demanding applications. All materials of construction meet USP Class VI and CFR 21 requirements for food and beverage contact.

The Poly-MAXX now offers a Special Pleat option in micron ratings of 1, 1.5, 2.5. This option provides expected surface area improvements of as much as 25%. This optimized pleat geometry option was developed for the filtration of process fluids that require a high degree of particle retention and/or constant bacterial barrier for effective sterilization.



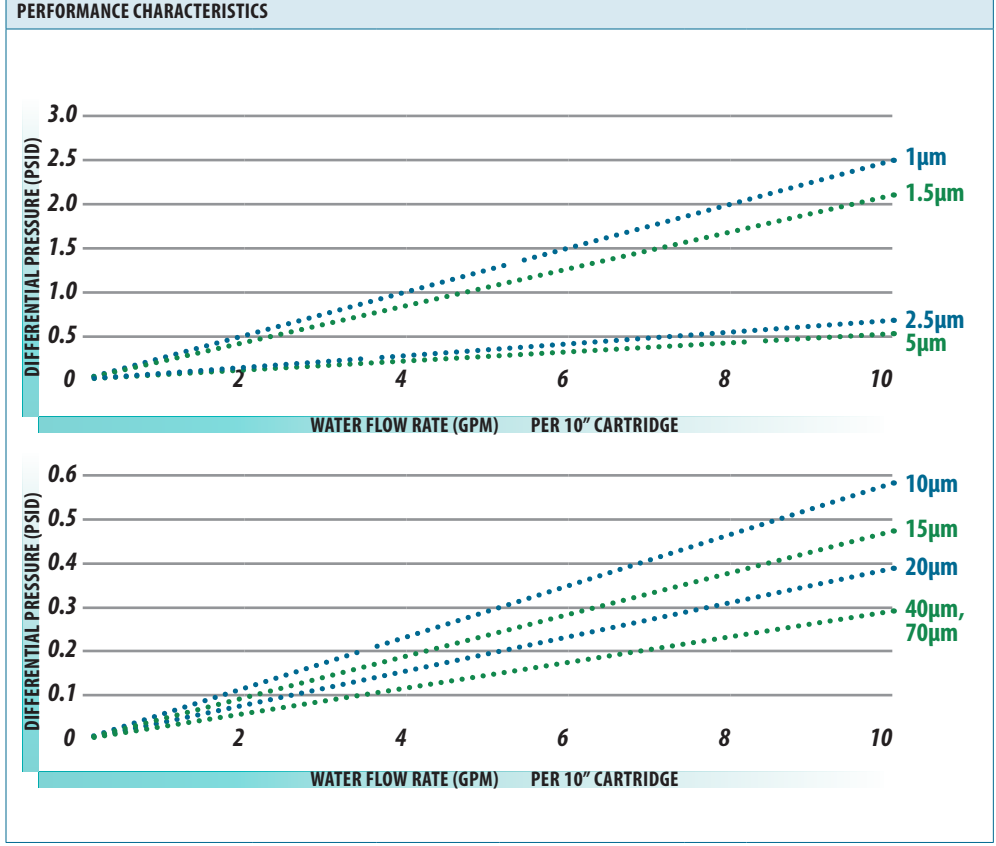
- ▶ **ABSOLUTE-RATED MEDIA PROVIDES RELIABLE, CONSISTENT AND REPEATABLE FILTRATION**
- ▶ **MAXIMIZED PLEAT DESIGN FOR GREATER SURFACE AREA, ENSURING LONGER SERVICE LIFE, FEWER CHANGE OUTS AND REDUCED OPERATING COSTS**
- ▶ **LOW PRESSURE DROPS YIELD HIGHER FLOW RATES AND REDUCED PROCESSING TIME**
- ▶ **100% POLYPROPYLENE CONSTRUCTION OFFERS A WIDE RANGE OF CHEMICAL COMPATIBILITY**
- ▶ **FDA, CFR 21 AND USP CLASS VI COMPLIANT**
- ▶ **THERMALLY BONDED CONSTRUCTION ELIMINATES PARTICLE BYPASS**

SPECIAL PLEAT OPTION:

- ▶ **OPTIMIZED PLEAT GEOMETRY**
- ▶ **EXPECTED SURFACE AREA IMPROVEMENTS OF AS MUCH AS 25%**

NEED A VESSEL FOR YOUR CARTRIDGES?
 For the Pur-Pleat and Poly-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.

ASTM F795-88 RETENTION RATING			
1, 1.5, 2.5, 5, 10, 15, 20, 40, 70			
MAXIMUM DIFFERENTIAL PRESSURE		MAXIMUM OPERATING TEMPERATURE	
Forward: 75 psid (5.1 bar) @ 75°F (24°C) 40 psid (2.8 bar) @ 180°F (82°C)		180°F (82°C) Continuous Duty	
TOXICITY			
All components meet all relevant USP XXII Class VI test for biological safety and FDA requirements for contact with food and beverage per 21CFR177.1520			
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			
FILTER MEDIA	END CAPS	PLEAT SUPPORT MATERIAL	CAGE/CORE
Polypropylene Microfiber	Polypropylene	Polypropylene	Polypropylene
SEALS			
Buna N Fluorocarbon EPDM Silicone FEP Encapsulated Fluorocarbon FEP Encapsulated Silicone PTFE Foam PTFE Hard			
CONSTRUCTION METHOD			
Thermal Bond			
OUTSIDE DIAMETER			
PP: 2.55" (6.48cm) PMX: 2.7" (6.87cm)			
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)			
EFFICIENCY			
PP1/PMX1 — 99.98% @ 1µm PP1.5/PMX1.5 — 99.98% @ 1.5µm PP2.5/PMX2.5 — 99.98% @ 2.5µm	PP5/PMX5 — 99.98% @ 5µm PP10/PMX10 — 99.98% @ 10µm PP15/PMX15 — 99.98% @ 15µm	PP20/PMX20 — 99.98% @ 20µm PP40/PMX40 — 99.98% @ 40µm PP70/PMX70 — 99.98% @ 70µm	



ORDER OPTIONS

CARTRIDGE	
PP PMX	Pur-Pleat (2.55") Poly-MAXX (2.7")
MICRON RATINGS	
1, 1.5, 2.5, 5, 10, 15, 20, 40, 70	
CARTRIDGE LENGTH	
5, 10, 20, 30, 40	
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
SPECIAL PLEAT OPTION	
SP	Special Pleat (PMX 1, 1.5, 2.5 only)