

Pur-PLEAT & Poly-MAXX

Absolute-Rated Polypropylene Depth

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

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%**

ORDER GUIDE



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

Polypropylene Microfiber

END CAPS

Polypropylene

PLEAT SUPPORT MATERIAL

Polypropylene

CAGE/CORE

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)

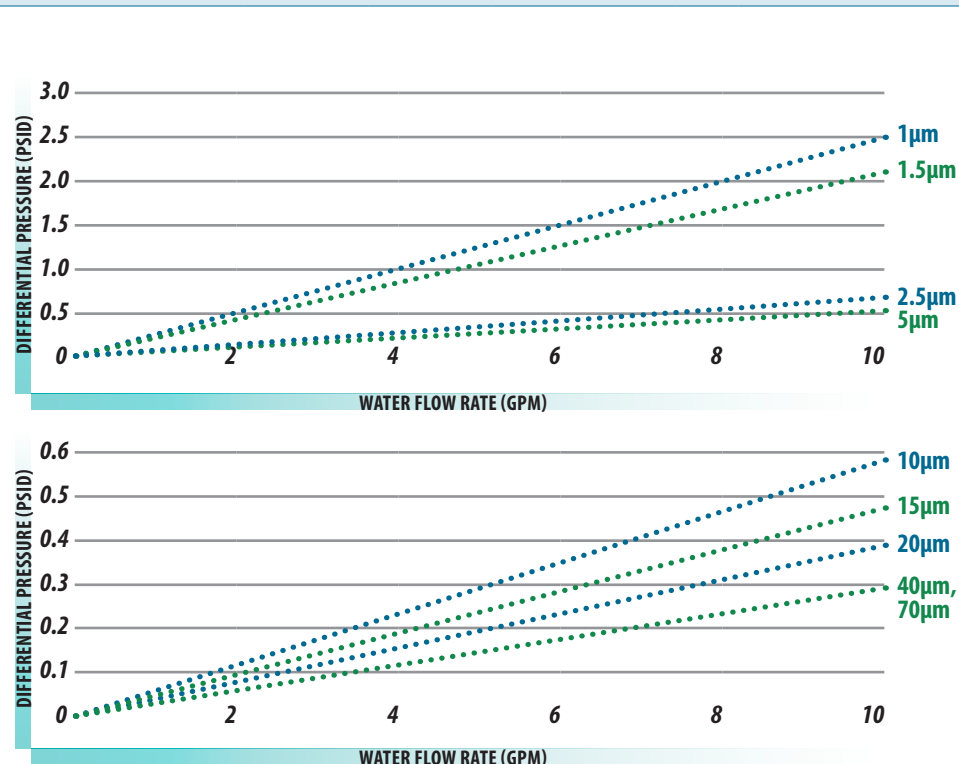
EFFICIENCY

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

PERFORMANCE CHARACTERISTICS



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	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
2	Pharmaceutical
CARTRIDGE OPTIONS	
I DIF	316 SS Insert DI Flush
SPECIAL PLEAT OPTION	
SP	Special Pleat (PMX 1, 1.5, 2.5 only)