

Glass-PLEAT & Fiber-MAXX

Absolute-Rated Microglass Depth

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Absolute-rated media**
- **Non-fiber releasing materials** with minimal extractables provide high purity filtrate
- **Low pressure drops** yield higher flow rates and reduced processing time
- **Maximized pleat design coupled with non-calendared microglass matrix** offers greater surface area, ensuring longer service life, less downtime and reduced costs
- **Industrial grade** uses an epoxy binder, FDA grade uses an acrylic binder

PRODUCT DESCRIPTION

Strainrite's [Absolute-Rated Microglass Cartridges](#) utilize a high surface area and high void volume media, incorporating microglass fibers in a uniform matrix that optimizes element flow rate and service life unattainable by other microfiber technologies. This revolutionary microfiber matrix optimizes pore size geometry required to offer absolute-rated filtration performance. Strainrite's non-calendared microglass cartridges exhibit significantly reduced resistance to flow when compared to similarly rated microfiber technologies. These cartridges are an excellent choice for filtering beverages such as beer and wine, as they do not remove flavor enhancing proteins.

Our materials of construction meet or exceed the requirements of the CFR 21 for Food and Beverage contact. Strainrite offers elements that utilize an epoxy binder providing these microglass depth cartridges with an increased range of applications where chemical compatibility is critical.

The [Fiber-MAXX](#) now offers a Special Pleat option which provides expected surface area improvements of as much as 45% in General and Pharmaceutical grades. 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.



ASTM F795-88 RETENTION RATING

0.8, 0.9, 1, 2, 3, 5, 10, 15 µm

OUTSIDE DIAMETER

GP: 2.55" (6.48cm) | FMX: 2.7" (6.87cm)

MAXIMUM DIFFERENTIAL PRESSURE

Forward: 75 psid (5.1 bar) @ 75°F (24°C)
40 psid (2.8 bar) @ 180°F (82°C)

PRODUCTION PROCESS

Thermal Bond

MAXIMUM OPERATING TEMPERATURE

180°F (82°C) Continuous Duty Polypropylene
275°F (135°C) Continuous Duty Polyester

PLEAT SUPPORT MATERIAL

Polypropylene | Polyester

FILTER MEDIA

Borosilicate Microglass

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

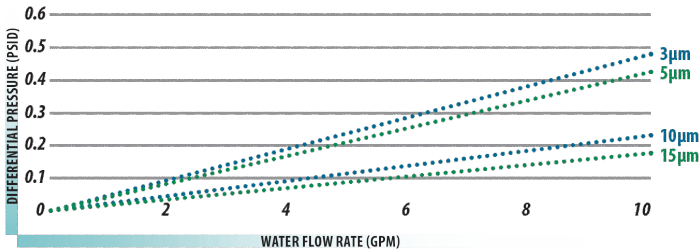
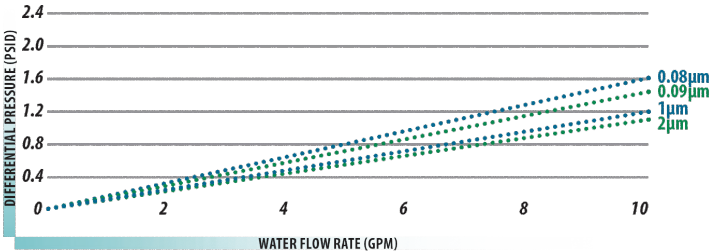
LENGTHS

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

v 1026

PERFORMANCE CHARACTERISTICS



ORDER OPTIONS

CARTRIDGE	MICRON RATING	LENGTH	PLEAT SUPPORT	END CAP	O-RING	GRADE	OPTIONS
GP Glass-Pleat (2.55") FMX Fiber-MAXX (2.7")	0.8 µm* 0.9 µm 1 µm* 2 µm 3 µm* 5 µm* 10 µm* 15 µm *Available in FDA grade	5" 10" 20" 30" 40"	PP = Polypropylene PS = 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 APH = All Polyester Hardware PLEAT OPTION SP = Special Pleat (FMX only) Not available in FDA grade

