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

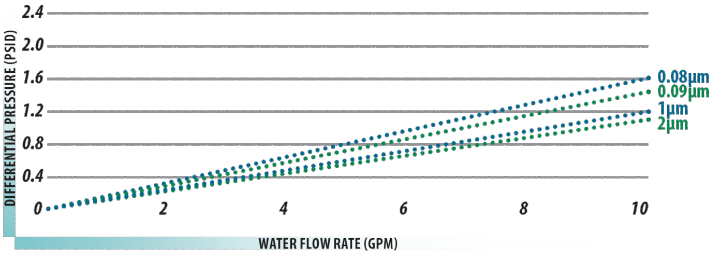
PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal:
5 inch - 48 per carton | 10 inch - 24 per carton | 20 inch - 12 per carton | 30 inch - 12 per carton | 40 inch - 9 per carton

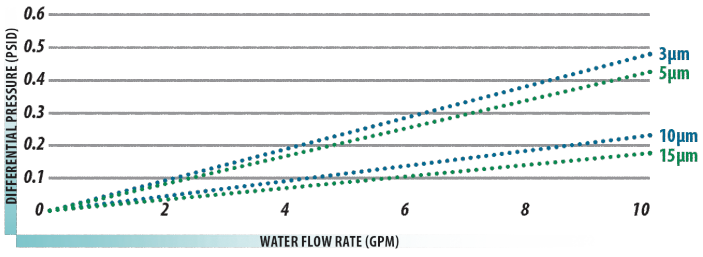
LENGTHS
5 inch (12.7 cm) | 10 inch (25.4 cm) | 20 inch (50.8 cm) | 30 inch (76.2 cm) | 40 inch (102 cm)

SPECIFICATIONS

SCAN FOR MORE INFO

PERFORMANCE CHARACHTERISTICS





v 1026

ORDER OPTIONS

CARTRIDGE	MICRON RATING	LENGTH	PLEAT SUPPORT	END CAP	O-RING	GRADE	OPTIONS
GP I Glass-Pleat (2.55")	0.8 µm*	5"	**PP** = Polypropylene	**C1** = Double Open Ends	**S** = Silicone	- = General	**I** = 316 SS Insert
FMX I Fiber-MAXX (2.7")	0.9 µm	10"	**PS** = Polyester	**C2** = 213/Recessed Cup	**B** = Buna N	**1** = FDA	**DIF** = DI Flush
	1 µm*	20"		**C3** = Flat/222	**V** = Fluorocarbon	**2** = Pharmaceutical	**APH** = All Polyester Hardware
	2 µm	30"		**C4** = Single Open End/Flat	**E** = EPDM		
	3 µm*	40"		**C5** = Recessed Cup/222	**TF** = PTFE Foam		**PLEAT OPTION**
	5 µm*			**C6** = Flat/226	**TH** = PTFE Hard		**SP** = Special Pleat (FMX only)
	10 µm*			**C7** = Fin/226	**TV** = Encapsulated Fluorocarbon		Not available in FDA grade
	15 µm			**C8** = Fin/222	**TS** = Encapsulated Silicone		
	*Available in FDA grade						

GP FMX	0.8	–	10	PP	C3	B	1	APH	GP0.8-10PPC3B1APH
	MICRON RATING		CARTRIDGE LENGTH	CARTRIDGE LENGTH	END CAP CONFIGURATION	GASKET / O-RING MATERIALS	CARTRIDGE GRADE	CARTRIDGE OPTIONS	