Glass-PLEAT G & Fiber-MAXX G

Nominally Rated Microglass Depth

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Beta-rated media** provide reliable pore size control resulting in repeatable filtration performance
- **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 micro-glass matrix offers greater surface area, ensuring longer service life, less downtime and reduced costs
- **Industrial grade utilizes an epoxy binder**, FDA grade utilizes an acrylic binder
- **Thermally bonded** construction eliminates particle bypass



PRODUCT DESCRIPTION

Strainrite's Nominally Rated Microglass Depth Filter 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 traditional microfiber technologies. This revolutionary microfiber matrix optimizes pore size geometry required to offer beta 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 FDA grade cartridges meet or exceed the requirements of the 21 CFR 177 for food and beverage contact. Strainrite also offers elements that utilize an epoxy binder providing an increased range of applications where chemical compatibility is critical.

The Fiber-MAXX G 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
GPX: 2.55" (6.48cm) | FMXG: 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

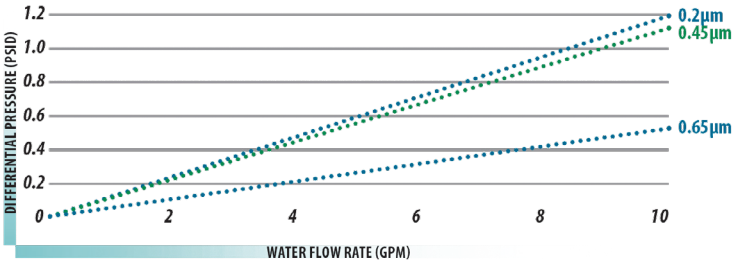
PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal:
5 inch - 48 per carton | 10 inch - 24 per carton | 20 inch - 12 per carton | 30 inch - 12 per carton | 40 inch - 9 per carton

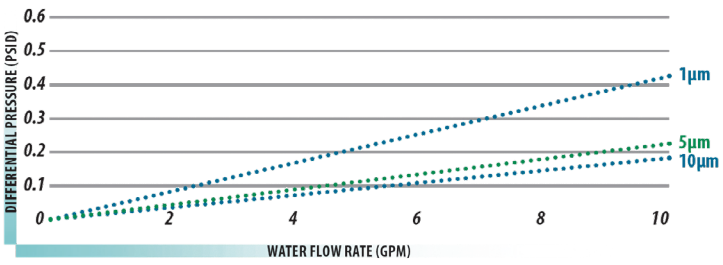
LENGTHS
5 inch (12.7 cm) | 10 inch (25.4 cm) | 20 inch (50.8 cm) | 30 inch (76.2 cm) | 40 inch (102 cm)

SPECIFICATIONS

SCAN FOR MORE INFO

PERFORMANCE CHARACHTERISTICS





v 1026

ORDER OPTIONS

CARTRIDGE	MICRON RATING	LENGTH	PLEAT SUPPORT	END CAP	O-RING	GRADE	OPTIONS
GPX I Glass-Pleat (2.55") **FMXG** I Fiber-MAXX (2.7")	0.2 µm 0.45 µm 0.65 µm 1 µm 5 µm 10 µm	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 (FMXG only) Not available in FDA grade

GPX / FMXG	0.2	–	10	PP	C3	S	1	DIF	GPG0.2-10PPC3S1DIF
	MICRON RATING		CARTRIDGE LENGTH	CARTRIDGE LENGTH	END CAP CONFIGURATION	GASKET / O-RING MATERIALS	CARTRIDGE GRADE	CARTRIDGE OPTIONS	