

Absolute-rated Microglass Depth

Glass-PLEAT & Fiber-MAXX

▪ Oil and Gas Production

▪ Inks and Coatings

▪ Photographic Films

▪ Plating Solutions

▪ Chemical Processing

▪ Solvent Filtration

▪ Waste Water

Strainrite's **Absolute-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 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.

Features & Benefits

Glass-Pleat & Fiber-MAXX

- 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



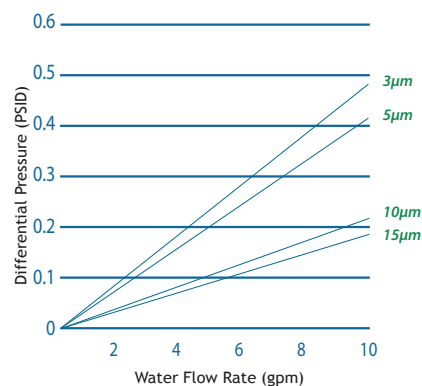
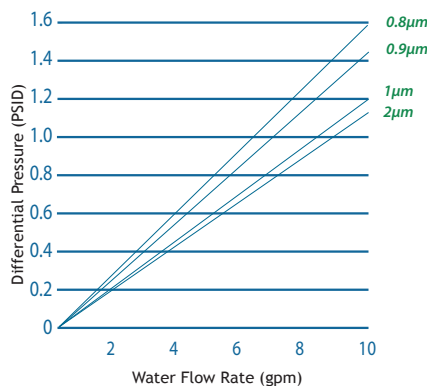
Glass-Pleat Efficiency

Cartridge	99.98%	90.00%
GP 0.80	.8µm	0.25µm
GP 0.90	.9µm	0.45µm
GP 1	1.0µm	0.65µm
GP 2	2.0µm	1.0µm
GP 3	3.0µm	1.5µm
GP 5	5.0µm	2.5µm
GP 10	10.0µm	5.0µm
GP 15	15.0µm	10.0µm

Fiber-MAXX Efficiency

Cartridge	99.98%	90.00%
FMX 0.8	0.8µm	0.25µm
FMX 0.9	0.9µm	0.45µm
FMX 1	1.0µm	0.65µm
FMX 2	2.0µm	1.0µm
FMX 3	3.0µm	1.5µm
FMX 5	5.0µm	2.5µm
FMX 10	10.0µm	5.0µm
FMX 15	15.0µm	10.0µm

Performance Characteristics



Specifications

ASTM F795-88 Retention Rating

0.8, 0.9, 1.0, 2.0, 3.0, 5.0, 10.0, 15.0

Maximum Differential Pressure

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

Maximum Operating Temperature

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

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

Materials of Construction

Filter Media

Borosilicate Microglass

End Caps

Polypropylene
Polyester

Pleat Support Material

Polypropylene
Polyester

Cage/Core

Polypropylene
Polyester

Seals

Buna N
Fluorocarbon
EPDM
Silicone
PTFE
FEP Encapsulated Fluorocarbon
FEP Encapsulated Silicone

Sealing

Thermal Bond

Dimensions

Glass-Pleat

Outside Diameter

2.55" (6.48cm)

Lengths

5" (12.7cm)
10" (25.4cm)
20" (50.8cm)
30" (76.2cm)
40" (102cm)

Fiber-MAXX

Outside Diameter

2.7" (6.87cm)

Lengths

5" (12.7cm)
10" (25.4cm)
20" (50.8cm)
30" (76.2cm)
40" (102cm)

Ordering Information

Glass-Pleat

GP

FMX

Fiber-MAXX

