Nominally rated Microglass Depth

Glass-PLEAT G & Fiber-MAXX G

- Plating Solutions
- Photographic Films
- Waste Water
- Inks and Coatings
- Solvent Filtration
- Oil and Gas Production
- Chemical Processing

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.

Features & Benefits

Glass-Pleat G & Fiber-MAXX G

- 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

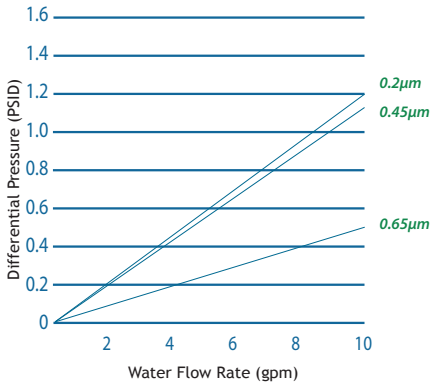
Glass-Pleat G Efficiency

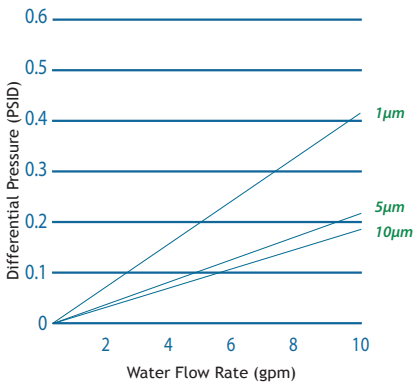
Cartridge	Beta 5000
GPG 0.2	0.2µm
GPG 0.45	0.45µm
GPG 0.65	0.65µm
GPG 1.0	1.0µm
GPG 5	5µm
GPG 10	10µm

Fiber-MAXX G Efficiency

Cartridge	Beta 5000
FMXG 0.2	0.2µm
FMXG 0.45	0.45µm
FMXG 0.65	0.65µm
FMXG 1.0	1.0µm
FMXG 5	5µm
FMXG 10	10µm

Performance Characteristics





Specifications

Retention Rating
0.2, 0.45, 0.65, 1, 5, 10, 15

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 G

Outside Diameter
2.55" (6.48cm)

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

Fiber-MAXX G

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 G
GPG
FMXG
Fiber-MAXX G

Micron Ratings
0.2
0.45
0.65
1
5
10

Code	Lengths
5	5"
10	10"
20	20"
30	30"
40	40"

Code	Pleat Support
PE	Polyester
PP	Polypropylene

Code	End Cap Configuration
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

Code	Gasket/O-ring Material
S	Silicone
B	Buna N
V	Fluorocarbon
E	EPDM
T	Teflon/PTFE
TV	Encapsulated Fluoro.
TS	Encapsulated Silicone

Code	Cartridge Guide
-	General
1	FDA Grade
2	Pharmaceutical

Code	Options
I	316 SS Insert
DIF	DI Flush
APH	All Polyester Hardware