GLASS / QUARTZ MICROFIBER FILTERS

Glass microfiber filter without binder

APPLICATIONS

● Made with 100% borosilicated microglass fibers, these filters offer an excellent level of very small particles retention (up to 0,7 µm) and a large loading capacity. They are particularly suitable for micro-filtration of air, gases and liquids as they resist to 500 °C and are compatible to most solvents and reagents (except hydrofluoric acid).

- filtraTECH's grades: FV21 | FV22 | FV23 | FV24 | FV25 | FV26.
- Available in discs (A) and in sheets (F) – other sizes upon request.

FV21

Air pollution analysis.				
Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)
52	0.26	1.6	60	20

// Whatman : GF/A

FV22

Water analysis.				
Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)
143	0.70	1	200	50

// Whatman : GF/B

FV23

Suspended solid analysis.				
Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)
52	0.26	1.2	100	20

// Whatman : GF/C

FV24

Pre-filtration for membranes.				
Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)
120	0.53	2.7	30	20

// Whatman : GF/D

FV25

Very small particle filtration.				
Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)
75	0.45	0.7	310	50

// Whatman : GF/F

FV26

Water control.				
Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)
65	0.28	1.5	60	50

// Whatman : 934 AH

Glass microfiber filter with binder

APPLICATIONS

● The glass microfiber filters with binder have a lower resistance to temperature (up to 180 °C maximum). The hydrophobic grade [FV27] is suitable for air and gas analysis. At the opposite, the hydrophilic grade [FV29] is adapted to liquid filtration.

- filtraTECH's grades: FV27 | FV29.
- Available in discs (A) – in sheets (F) and in rolls (R) – other sizes upon request.

FV27

Air pollution and exhaust fume control.				
Weight (g/m²) DIN 53104	Thickness (mm)	Binder	Property	Retention efficiency for 0,3 µm (%)
73	0.40	Resin	Hydrophobic	99.9

// Whatman : GF10

FV29

Gravimetric analysis.				
Weight (g/m²) DIN 53104	Thickness (mm)	Binder	Property	Retention (µm)
73	0.35	Resin	hydrophilic	0.6

// Whatman : GF6

Quartz microfiber

APPLICATIONS

● The quartz microfiber filters offer the same technical specifications as glass microfiber filters without binder, except for the higher temperature resistance (up to 900 °C). They are ideally suitable for the monitoring of suspended lead particles in air, emission of chimney smokes or any other acid solution.

- filtraTECH's grade: FQ30.
- Available in discs (A).

FQ30

Highest temperature analysis, lead particles in air.				
Weight (g/m²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Retention efficiency (%)
85	0.43	1.5	60	99.999

// Whatman : QM/A