

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.

	Air pollution analysis.					
FV21	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)	// Whatman : GF/A
	52	0.26	1.6	60	20	
	Water analysis.					
FV22	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)	// Whatman : GF/B
	143	0.70	1	200	50	
	Suspended solid analysis.					
FV23	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)	// Whatman : GF/C
	52	0.26	1.2	100	20	
	Pre-filtration for membranes.					
FV24	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)	// Whatman : GF/D
	120	0.53	2.7	30	20	
	Very small particle filtration.					
FV25	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)	// Whatman : GF/F
	75	0.45	0.7	310	50	
	Water control.					
FV26	Weight (g/m ²) DIN 53104	Thickness (mm)	Pore size (µm)	Filtration speed (sec) DIN 53137	Burst strength (kPa)	// Whatman : 934 AH
	65	0.28	1.5	60	50	





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/m ²) 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/m ²) DIN 53104	Thickness (mm)	Binder	Property	Retention (µm)
73	0.35	Resin	hydrophilic	0.6

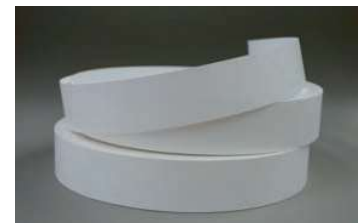
// Whatman :
GF6

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/m ²) 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