

Glass Fibre Filters, Hahnemühle



Recommended for environmental analysis and investigation of air and water pollution.

- Made of 100% pure borosilicate glass
- Chemical stability: It keeps all its properties in contact with acid solutions (except hydrofluoric acid) and basic solutions at moderate concentrations
- Extremely low metal content
- High flow speed and high permeability to air
- Can be used as prefilter for membranes (GF9)
- Deposition of (radioactive) aerosols, monitoring of nuclear power stations
- Gravimetric analyses of organic and inorganic contaminations in water and waste water pursuant to DIN 38409 and EN 872 (suspended particles)
- Measurement of immissions, dust measurement in the air and in gases, monitoring of filtration and de-dusting efficiency, monitoring of the combustion air of power stations and in the steel and iron industry
- Gravimetric measurement of dust release at workplaces and in production processes, breathing air purification
- Scintillation measurement

Glass fibre with binder, filter cycles

NEW: Glass fibre filter GF20 with strong hydrophilic binder.

Ideal for fast clarification of aqueous solutions and degassing of acidulous solutions (containing CO₂)

Technical specifications:

Grade	Filtration Gurley s	Weight g/m ²	Thickness mm	Retention rate ¹⁾ %	Max T ^α °C	Binder	Filter class
GF 6	40	80	0.35	99.97	500	inorg.	H 14
GF 8	12	75	0.35	99	500	inorg.	–
GF 9	27	70	0.35	99.97	500	inorg.	U 15
GF 10	12	70	0.35	99.97	180	org.	H 13
GF 20	15	86	0.45	–	180	org.	–

¹⁾ Tested with NaCl particles size <1 µm, maximum at 0.3 to 0.5 µm.

Grade	Ø mm	Order No.	PU pc/Pack
GF 6	25	10 15 96002	100
GF 6	47	10 15 96047	100
GF 6	50	10 15 96005	100
GF 6	55	10 15 96055	100
GF 6	70	10 15 96007	100
GF 6	90	10 15 96009	100
GF 6	100	10 15 96010	100
GF 6	125	10 15 96127	100
GF 6	142	10 15 96142	100

Grade	Ø mm	Order No.	PU pc/Pack
GF 6	185	10 15 96186	100
GF 6	293	10 15 96293	100
GF 9	50	10 15 99050	100
GF 9	90	10 15 99090	100
GF 10	47	10 15 91004	100
GF 10	100	10 15 90100	100
GF 10	200	10 15 90200	100
GF 20	150	10 15 90151	250

Glass fibre without binder, filter circles

Technical specifications:

Grade	Filtration Gurley s	Air permeability ¹⁾ l/m ² s (or resistance ²⁾ mbar	Weight gr/m ²	Thickness mm	Retention rate ³⁾ %	Max T ^α °C	Binder	Filter class
GF 50	19	25	56	0.29	99.97	500	free	H 14
GF 51	44	11	140	1.00	99.993	500	free	H 13
GF 52	25	(54) ²⁾	54	0.28	99.995	500	free	U 15
GF 55	67	<10	75	0.40	99.999	500	free	U 15

¹⁾ According DIN 53887

²⁾ At 400 cm³/s, A= 10 cm²

³⁾ Tested with NaCl particles size <1 µm, maximum at 0.3 to 0.5 µm

Grade	Ø mm	Order No.	PU pc/Pack
GF 50	25	10 15 95002	100
GF 50	37	10 15 95003	100
GF 50	47	10 15 95004	100
GF 50	50	10 15 95005	100
GF 50	70	10 15 95007	100
GF 50	90	10 15 95009	100
GF 50	125	10 15 95012	100

Grade	Ø mm	Order No.	PU pc/Pack
GF 51	47	10 15 95147	100
GF 52	47	10 15 95204	100
GF 52	50	10 15 95205	100
GF 52	70	10 15 95207	100
GF 52	90	10 15 95209	100
GF 52	110	10 15 95211	100
GF 55	47	10 15 95504	100

Glass fibre without binder, sheets

Grade	Dimensions mm	Order No.	PU pc/Pack
GF 50	203 × 254	10 15 95020	100

Other sizes on request.

Notes for handling:

Weight consistency: No relevant changes in weight due to variations in the ambient humidity.

Limited bending resistance. Brushing against other surfaces may cause the loss of fibres (keep the filters in their original box until their use).

