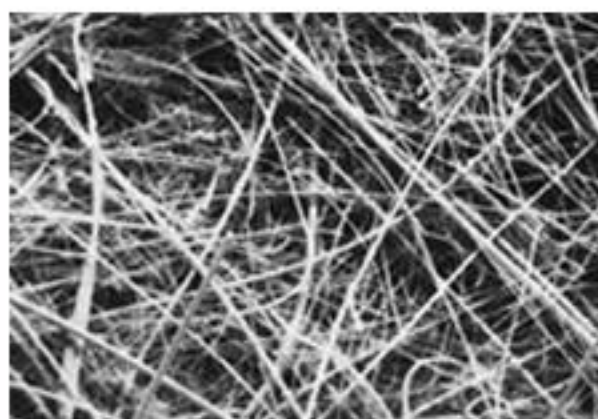


MS® Glass Fiber Filter

Recommended filters for controlling both air and water pollution and as a pre-filter for Membrane



Product Description

MS® Glass fiber filters are manufactured from 100% borosilicate glass. These depth filters combine fast flow rate with high loading capacity and retention of fine particulates. The small diameter fibers give micro glass media superior efficiency and dirt holding as compared to cellulose and synthetic media.

Glass Fiber Filter  **Quick Pick Reference Chart** can help you choose the right application.

 [Glass Fiber Filter.pdf](#)

Cross Reference

Membrane Solutions	GF A	GF B	GF C	GF D	GF F	GF H	GF 6	GF 8	GF 9	GF 10
Whatman	GF/A	GF/B	GF/C	GF/D	GF/F	934-AH	GF 6	GF 8	GF 9	GF 10

Features

- Made of borosilicate glass fiber without binders or with binder.
- Stability at high temperatures: It keeps its properties up to 500 °C and 180 °C for Grade GF10.
- Usable as Pre-filter for membranes to prevent the membranes from silting up.
- Large surface area provides an outstanding retention capacity.
- High flow speed and high permeability to air.
- Reduce filtration costs and premature clogging when filtering difficult-to-filter or highly contaminated solutions.
- Excellent wet strength for easy handling and filter integrity.

Two types of glass fiber filters are available :

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- *Binder free glass fiber.* Grade GF A, Grade GF B, Grade GF C, Grade GF D, Grade GF F, Grade GF H
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- *Binder glass fiber.* Grade GF 6, Grade GF 8, Grade GF 9, Grade GF 10

Grade GF A

- Highly efficient for general laboratory filtration
- Clarification of buffer and reagent solutions
- Corresponds to many international standards for air and water pollution monitoring

Grade GF B

- Thicker than GF A with higher wet strength and significantly increased loading capacity , Suitable for filtration of large volumes
- Pre-filter for membranes
- Filtration of suspended solids in water/waste water analysis

Grade GF C

- The standard filter in many parts of the world for the collection of suspended solids in potable water and natural and industrial wastes
- Widely used for cell harvesting, liquid scintillation counting and binding assays where more loading capacity is required

Grade GF D

- Universal membrane pre-filter material
- Filtration in food industry

Grade GF F

- GF F is the material upon which the EPA Method TCLP 1311 for Toxicity
- Use for filtering extremely fine precipitates such as protein, nucleic acids, or serum precipitates

Grade GF H

- Suitable for suspended solid analysis
- Cell harvesting
- Air pollution control

Grade GF 6

- Suitable for very fine particles
- Removing protein from difficult-to-filter beers
- Determination of filterable substances and the residue on ignition (dry weight)
- Analysis of aggressive media

Grade GF 8 and Grade GF 9

- Used in the filtration of coarse particles
- Determination of PCB, DDE, DDT, furans and dioxins in the air
- Environmental analysis
- Membrane pre-filter

Grade GF 10

- Used in the filtration of coarse particles
- Weighing aid for infrared weighing
- A roll filter in automatic air filtration units

Specifications

Grade	Weight (g/m ²)	Thickness (mm)	Nominal Rating (µm)	Maximum Temperature (°C)	Binder
GF A	56	0.29	1.6	500	Free
GF B	140	1.00	1.0	500	Free
GF C	54	0.28	1.2	500	Free
GF D	120	0.53	2.7	500	Free
GF F	75	0.40	0.7	500	Free
GF H	65	0.30	1.5	500	Free
GF 6	80	0.35	--	500	Inorganic
GF 8	75	0.35	--	500	Inorganic
GF 9	70	0.35	--	500	Inorganic
GF 10	70	0.35	--	180	Organic

Item#	Description	Pcs per box	Online Price(US\$)
SPGFB013100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:13(mm)	100	25.20
SPGFF021070N	Glass Fiber Filter, Binder Free, Pore: 0.7(μ m), Diameter:21(mm)	200	87.30
SPGFB021100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:21(mm)	100	40.92
SPGFC021120N	Glass Fiber Filter, Binder Free, Pore:1.2(μ m), Diameter:21(mm)	200	51.56
SPGFA021160N	Glass Fiber Filter, Binder Free, Pore:1.6(μ m), Diameter:21(mm)	200	48.90
SPGFD021270N	Glass Fiber Filter, Binder Free, Pore:2.7(μ m), Diameter:21(mm)	100	36.15
SPGFF024070N	Glass Fiber Filter, Binder Free, Pore: 0.7(μ m), Diameter:24(mm)	200	95.40
SPGFB024100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:24(mm)	100	43.38
SPGFC024120N	Glass Fiber Filter, Binder Free, Pore:1.2(μ m), Diameter:24(mm)	200	56.12
SPGFA024160N	Glass Fiber Filter, Binder Free, Pore:1.6(μ m), Diameter:24(mm)	200	52.38
SPGFD024270N	Glass Fiber Filter, Binder Free, Pore:2.7(μ m), Diameter:24(mm)	100	38.91
SPGFF025070N	Glass Fiber Filter, Binder Free, Pore: 0.7(μ m), Diameter:25(mm)	200	100.20
SPGFB025100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:25 (mm)	100	47.40
SPGFC025120N	Glass Fiber Filter, Binder Free, Pore: 1.2(μ m), Diameter:25(mm)	200	56.81
SPGFA025160N	Glass Fiber Filter, Binder Free, Pore:1.6(μ m), Diameter:25 (mm)	200	57.24
SPGFD025270N	Glass Fiber Filter, Binder Free, Pore: 2.7(μ m), Diameter:25(mm)	100	41.34
SPGFF037070N	Glass Fiber Filter, Binder Free, Pore: 0.7 (μ m), Diameter:37(mm)	200	119.16
SPGFB037100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:37(mm)	100	56.10
SPGFC037120N	Glass Fiber Filter, Binder Free, Pore: 1.2(μ m), Diameter:37(mm)	200	62.73
SPGFA037160N	Glass Fiber Filter, Binder Free, Pore:1.6(μ m), Diameter:37(mm)	200	63.66
SPGFD037270N	Glass Fiber Filter, Binder Free, Pore:2.7(μ m), Diameter:37(mm)	100	46.86
SPGFF042070N	Glass Fiber Filter, Binder Free, Pore: 0.7 (μ m), Diameter:42.5(mm)	200	143.90

SPGFD024270N	Glass Fiber Filter, Binder Free, Pore:2.7(μ m), Diameter:24(mm)	100	38.91
SPGFF025070N	Glass Fiber Filter, Binder Free, Pore: 0.7(μ m), Diameter:25(mm)	200	100.20
SPGFB025100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:25 (mm)	100	47.40
SPGFC025120N	Glass Fiber Filter, Binder Free, Pore: 1.2(μ m), Diameter:25(mm)	200	56.81
SPGFA025160N	Glass Fiber Filter, Binder Free, Pore:1.6(μ m), Diameter:25 (mm)	200	57.24
SPGFD025270N	Glass Fiber Filter, Binder Free, Pore: 2.7(μ m), Diameter:25(mm)	100	41.34
SPGFF037070N	Glass Fiber Filter, Binder Free, Pore: 0.7 (μ m), Diameter:37(mm)	200	119.16
SPGFB037100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:37(mm)	100	56.10
SPGFC037120N	Glass Fiber Filter, Binder Free, Pore: 1.2(μ m), Diameter:37(mm)	200	62.73
SPGFA037160N	Glass Fiber Filter, Binder Free, Pore:1.6(μ m), Diameter:37(mm)	200	63.66
SPGFD037270N	Glass Fiber Filter, Binder Free, Pore:2.7(μ m), Diameter:37(mm)	100	46.86
SPGFF042070N	Glass Fiber Filter, Binder Free, Pore: 0.7 (μ m), Diameter:42.5(mm)	200	143.90
SPGFB042100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:42.5(mm)	100	63.60
SPGFC042120N	Glass Fiber Filter, Binder Free, Pore:1.2(μ m), Diameter:42.5(mm)	200	79.23
SPGFA042160N	Glass Fiber Filter, Binder Free, Pore:1.6(μ m), Diameter:42.5(mm)	100	67.50
SPGFD042270N	Glass Fiber Filter, Binder Free, Pore:2.7(μ m), Diameter:42.5(mm)	100	57.36
SPGFF047070N	Glass Fiber Filter, Binder Free, Pore: 0.7(μ m), Diameter:47(mm)	200	151.80
SPGFB047100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:47(mm)	100	70.50
SPGFC047120N	Glass Fiber Filter, Binder Free, Pore:1.2(μ m), Diameter:47(mm)	200	87.00
SPGFA047160N	Glass Fiber Filter, Binder free, Pore:1.6(μ m), Diameter:47(mm)	200	75.36
SPGFD047270N	Glass Fiber Filter, Binder Free, Pore:2.7(μ m), Diameter:47(mm)	100	65.64
SPGFF050070N	Glass Fiber Filter, Binder Free, Pore: 0.7(μ m), Diameter:50(mm)	200	161.40

SPGFF050070N	Glass Fiber Filter, Binder Free, Pore: 0.7(μ m), Diameter:50(mm)	200	161.40
SPGFB050100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:50(mm)	50	55.20
SPGFC050120N	Glass Fiber Filter, Binder Free, Pore:1.2(μ m), Diameter:50(mm)	200	97.62
SPGFA050160N	Glass Fiber Filter, Binder free, Pore:1.6(μ m), Diameter:50(mm)	200	77.40
SPGFD050270N	Glass Fiber Filter, Binder Free, Pore:2.7(μ m), Diameter:50(mm)	100	70.20
SPGFF055070N	Glass Fiber Filter, Binder Free, Pore: 0.7(μ m), Diameter:55(mm)	100	130.20
SPGFB055100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:55(mm)	50	55.20
SPGFC055120N	Glass Fiber Filter, Binder Free, Pore:1.2(μ m), Diameter:55(mm)	100	68.88
SPGFA055160N	Glass Fiber Filter, Binder Free, Pore:1.6(μ m), Diameter:55(mm)	100	57.36
SPGFD055270N	Glass Fiber Filter, Binder Free, Pore:2.7(μ m), Diameter:55(mm)	50	51.36
SPGFF070070N	Glass Fiber Filter, Binder Free, Pore: 0.7(μ m), Diameter:70(mm)	100	159.00
SPGFB070100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:70(mm)	50	69.00
SPGFC070120N	Glass Fiber Filter, Binder Free, Pore:1.2(μ m), Diameter:70(mm)	100	83.40
SPGFA070160N	Glass Fiber Filter, Binder Free, Pore:1.6(μ m), Diameter:70(mm)	100	72.96
SPGFD070270N	Glass Fiber Filter, Binder Free, Pore:2.7(μ m), Diameter:70(mm)	25	64.74
SPGFF090070N	Glass Fiber Filter, Binder Free, Pore: 0.7 (μ m), Diameter:90(mm)	100	220.80
SPGFB090100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:90(mm)	50	106.32
SPGFC090120N	Glass Fiber Filter, Binder Free, Pore: 1.2 (μ m), Diameter:90(mm)	100	118.80
SPGFA090160N	Glass Fiber Filter, Binder Free, Pore:1.6(μ m), Diameter:90(mm)	100	105.96
SPGFD090270N	Glass Fiber Filter, Binder Free, Pore:2.7(μ m), Diameter:90(mm)	50	101.20
SPGFF110070N	Glass Fiber Filter, Binder Free, Pore: 0.7 (μ m), Diameter:110(mm)	50	165.00
SPGFB110100N	Glass Fiber Filter, Binder Free, Pore:1.0(μ m), Diameter:110(mm)	50	168.72
SPGFC110120N	Glass Fiber Filter, Binder Free, Pore: 1.2 (μ m), Diameter:110(mm)	50	102.00

SPGFC110120N	Glass Fiber Filter, Binder Free, Pore: 1.2 (µm), Diameter:110(mm)	50	102.00
SPGFA110160N	Glass Fiber Filter, Binder Free, Pore:1.6(µm), Diameter:110(mm)	50	193.44
SPGFD110270N	Glass Fiber Filter, Binder Free, Pore: 2.7 (µm), Diameter:110(mm)	50	163.60
SPGFF125070N	Glass Fiber Filter, Binder Free, Pore: 0.7 (µm), Diameter:125(mm)	25	187.40
SPGFB125100N	Glass Fiber Filter, Binder Free, Pore:1.0(µm), Diameter:125(mm)	50	189.84
SPGFC125120N	Glass Fiber Filter, Binder Free, Pore: 1.2 (µm), Diameter:125(mm)	50	106.40
SPGFA125160N	Glass Fiber Filter, Binder Free, Pore:1.6(µm), Diameter:125(mm)	50	206.72
SPGFD125270N	Glass Fiber Filter, Binder free, Pore: 2.7(µm), Diameter:125(mm)	50	180.32
SPGFF142070N	Glass Fiber Filter, Binder Free, Pore: 0.7 (µm), Diameter:142(mm)	50	190.96
SPGFB142100N	Glass Fiber Filter, Binder Free, Pore:1.0(µm), Diameter:142(mm)	50	216.96
SPGFC142120N	Glass Fiber Filter, Binder Free, Pore: 1.2 (µm), Diameter:142(mm)	50	114.60
SPGFA142160N	Glass Fiber Filter, Binder Free, Pore:1.6(µm), Diameter:142(mm)	50	223.84
SPGFD142270N	Glass Fiber Filter, Binder Free, Pore: 2.7 (µm), Diameter:142(mm)	50	214.68
SPGFF150070N	Glass Fiber Filter, Binder Free, Pore: 0.7 (µm), Diameter:150(mm)	50	197.82
SPGFB150100N	Glass Fiber Filter, Binder Free, Pore:1.0(µm), Diameter:150(mm)	50	253.08
SPGFC150120N	Glass Fiber Filter, Binder Free, Pore: 1.2 (µm), Diameter:150(mm)	50	143.00