

Whatman GD/X Syringe Filters

Filter more of your
high particulate or
viscous sample

When you need to filter a high particulate or viscous solution, choose the Whatman GD/X Syringe Filter. This top-of-the-line disposable syringe filter allows you to filter more of your sample in less time, significantly enhancing laboratory efficiency.

Features and Benefits

- **Increased volume throughput**
Volume of sample filtered can be three to seven times greater than conventional filters.
- **Greater surface area**
Flow rates are significantly enhanced in comparison to competitive products.
- **Superior performance**
Four layers of filtration media reduce blockage and the need to replace the filter in mid-operation.
- **Proven consistency**
Rigorous testing of each lot ensures product reliability.
- **Less hand force required**
The unique pre-filter layer allows high particulate samples to be filtered with less hand force, minimising operator fatigue.
- **Whatman quality**
High purity (USP-grade) resins minimise interference with measurements.
- **Documented results**
All technical claims are validated.

Applications

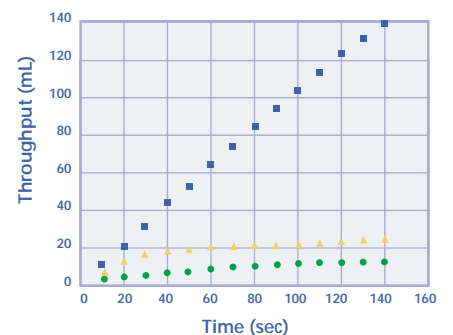
- Hard-to-filter or viscous samples
- Dissolution testing
- Content uniformity
- Environmental samples
- Composite assays



Proprietary Whatman filtration layers significantly enhance sample preparation efficiency.



Whatman vs. Competition



- Whatman GD/X 0.2µm Polyethersulphone
- ▲ Competitor A - 0.2µm Polyethersulphone
- Competitor A - 0.2µm Polysulphone

Dynamic throughput via 25mm syringe filters was tested at 10 psi with 2.5% TSB (Trypticase Soy Broth) + 0.02% of Sodium Azide

GD/X Syringe Filters offer higher filtration capacity than many competitive offerings.

Whatman®

TECHNICAL SPECIFICATIONS

Filtration Area	13mm: 1.3cm ² 25mm: 4.6cm ²
Maximum Pressure	13mm: 100 psi (6.9 bar) at 20°C 25mm: 75 psi (5.2 bar) at 20°C
Biosafety	All materials pass USP Class VI test for plastics
Materials of Construction	Housing: Polypropylene Filtration Media: As specified
Hold-up Volume	13mm: Full Housing: ~0.5mL With Purge: ~50µL 25mm: Full Housing: ~1.0mL With Purge: ~120µL
Connectors	Inlet: Female Luer Lock (FLL) Outlet: Male Slip Luer (MSL)
Flow Direction	Flow from inlet to outlet (FLL to MSL)
Sterilization	Can be autoclaved at 121°C for 20 minutes



Whatman Quality

Whatman is a global leader in separations technology and is known in the scientific community for providing innovative Life Science products and solutions. Our instinct for simplification accelerates the rate of discovery, reduces costs and saves time. For more information visit www.whatman.com.

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CATALOGUE ORDERING INFORMATION

Pack Size	Pore Size (µm)	Depth Filter Glass Microfibre	Membrane						
			Nylon	PVDF	PTFE	Polysulphone	PES	Cellulose Acetate	Polypropylene
13mm Syringe Filters Non-Sterile									
150	0.2	—	6870-1302	6872-1302	6874-1302	6876-1302	—	6880-1302	6878-1302
	0.45	6894-1304	6870-1304	6872-1304	6874-1304	6876-1304	—	6880-1304	6878-1304
	0.7 (GF/F)	6890-1307	—	—	—	—	—	—	—
	1.0* (GF/B)	6884-1310	—	—	—	—	—	—	—
	1.2* (GF/C)	6886-1312	—	—	—	—	—	—	—
	1.6* (GF/A)	6882-1316	—	—	—	—	—	—	—
1500	0.2	—	6871-1302	6873-1302	6875-1302	—	—	—	—
	0.45	—	6871-1304	6873-1304	6875-1304	—	—	—	—
25mm Syringe Filters Non-Sterile									
150	0.2	—	6870-2502	6872-2502	6874-2502	6876-2502	6904-2502	6880-2502	6878-2502
	0.45	6894-2504	6870-2504	6872-2504	6874-2504	6876-2504	6904-2504	6880-2504	6878-2504
	0.7 (GF/F)	6890-2507	—	—	—	—	—	—	—
	1.0* (GF/B)	6884-2510	—	—	—	—	—	—	—
	1.2* (GF/C)	6886-2512	—	—	—	—	—	—	—
	1.6* (GF/A)	6882-2516	—	—	—	—	—	—	—
	2.7* (GF/D)	6888-2527	—	—	—	—	—	—	—
1500	0.2	—	6871-2502	6873-2502	6875-2502	—	6905-2502	—	—
	0.45	6895-2504	6871-2504	6873-2504	6875-2504	6877-2504	6905-2504	6881-2504	6879-2504
	0.7 (GF/F)	6891-2507	—	—	—	—	—	—	—
	1.6* (GF/A)	6883-2516	—	—	—	—	—	—	—
25mm Syringe Filters Sterile									
50	0.2	—	—	6900-2502	—	—	6896-2502	6901-2502	—
	0.45	6902-2504	—	6900-2504	—	—	6896-2504	6901-2504	—
500	0.2	—	—	—	—	—	6897-2502	—	—
	0.45	—	—	—	—	—	6897-2504	—	—

*Contains GMF 150 but not GF/F Layer.
Depth filters are rated based on particle retention.
Some products are made to order, please call for details.



- Layers 1 & 2**
Glass microfibre prefilter
GMF 150 (graded density)
Filters from 10µm to 1µm
- Layer 3**
Glass microfibre prefilter
GF/F filters down to 0.7µm
- Layer 4**
Membrane filter
Nylon, PVDF, PTFE etc
Filters down to 0.45µm or 0.2µm

GD/X syringe filters contain four filtration layers which help reduce blockage and increase volume throughput.

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