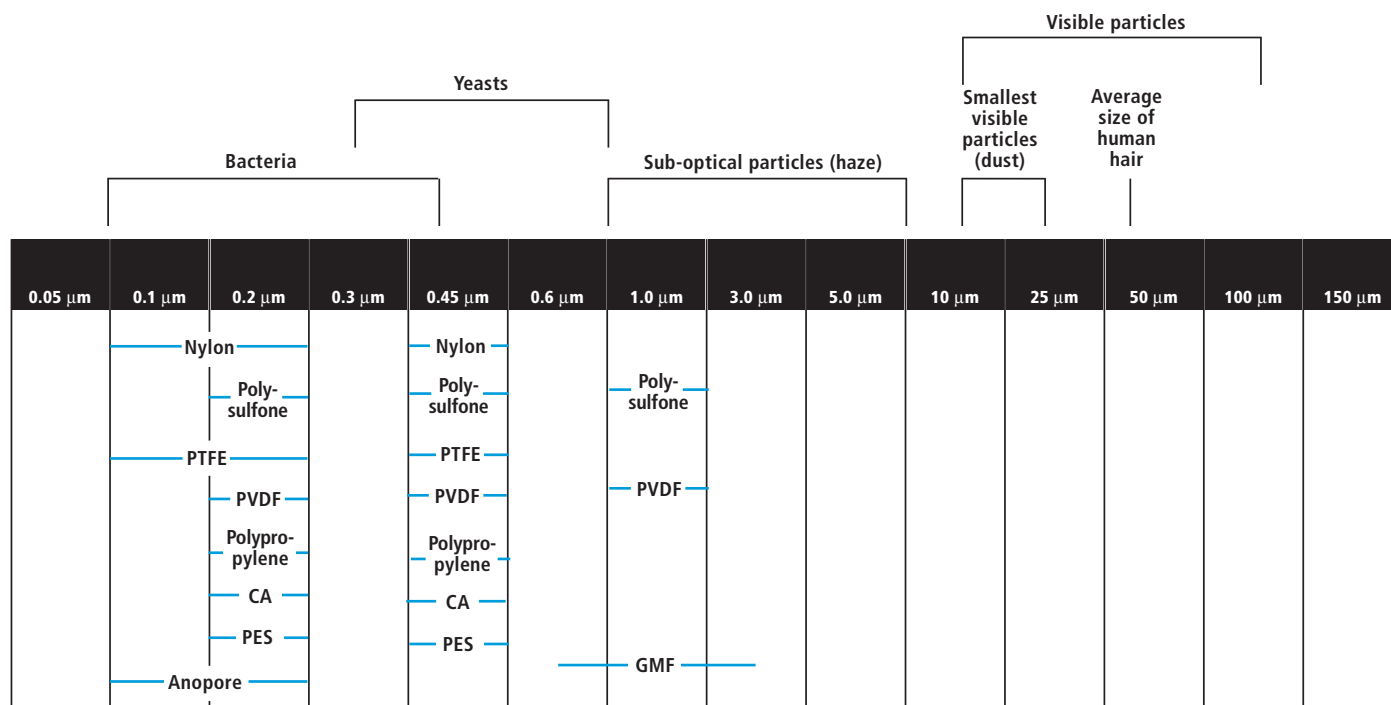


Product Overview

Syringe Filters—Product Overview

Filters	Size	Features	Media
Anotop	10 mm, 25 mm	Made of Anopore membrane	Anopore
Anotop Plus	10 mm, 25 mm	- Made with Glass Microfiber Prefilter - For difficult-to-filter solutions	Anopore
Anotop IC/LC	10 mm, 25 mm	- Suitable for Ion Chromatography - Low levels of anion leaching	Anopore
ZC	13 mm, 25 mm	Designed to be Zymark Compatible (ZC) Automated Robotic Systems	CA, GMF, Nylon, PTFE, PP, PS, 934-AH
Puradisc	4 mm, 13 mm, 25 mm	Designed for manual operation	PTFE, Nylon, PP, PES, PS, PVDF, Glass Microfiber
GD/X	13 mm, 25 mm	- Contains unique prefiltration stack of Whatman GMF 150 and Grade GF/F 3x flow rates compared to unprotected membrane	CA, PTFE, Nylon, PP, PS, PVDF, Glass Microfiber
GD/XP	25 mm	- Contains proprietary polypropylene prefiltration stack - Suitable for inorganic ion analysis	Nylon, PVDF, PP, PES, PTFE and Depth Polypropylene
EasyDisc	25 mm	Designed for everyday use in large volume applications	Nylon, PVDF, PES, PTFE, Polypropylene



Syringe filters are available in 4, 10, 13, 25 mm sizes—not all combinations may be available

Puradisc™

Puradisc syringe filters are designed for the quick and efficient filtration of samples up to 100 mL volume. The syringe filters are produced from pigment free polypropylene and have standard inlet and outlet luer connectors. Puradisc 4 and Puradisc 13 are available with a special tube tip outlet that allows the sample to be accurately dispensed into a micro-vial,

eliminating air lock. Sterile options are supplied in a medical-grade blister pack for critical applications.

Devices are available with a choice of membrane or glass microfiber filter media for wide sample compatibility. The media are sealed into the unit without the use of adhesives to eliminate potential sample contamination.



Puradisc 4™

Applications

- Small volume sample preparation
- High value sample preparation

Features and Benefits

- 4 mm diameter syringe filter
- Sample volume up to 2 mL
- Low hold up volume <10 µL ensures maximum sample recovery

Puradisc 13™

Applications

- HPLC sample preparation
- Biological sample preparation

Features and Benefits

- 13 mm diameter syringe filter
- Sample volume up to 10 mL
- Low hold up volume <25 µL ensures maximum sample recovery
- Glass microfiber options available

Puradisc 25™

Applications

- HPLC sample preparation
- Biological sample preparation

Features and Benefits

- 25 mm diameter syringe filter
- Sample volume up to 100 mL
- Low hold up volumes for maximum sample recovery
- Glass microfiber options available

Typical Data

	Puradisc 4	Puradisc 13	Puradisc 25
Housing	Polypropylene	Polypropylene	Polypropylene
Filtration Area	0.2 cm ²	1.3 cm ²	4.2 cm ²
Maximum Pressure	75 psi	75 psi	75 psi
Volume 'Hold Up' with Air Purge	<10 µL	<25 µL	<100 µL
Dimensions	6.2 x 20 mm	16 x 20 mm	28 x 23 mm
Weight	0.55 g (approx)	0.95 g	2.7 g
Volume Throughput	up to 2 mL	up to 10 mL	up to 100 mL
Inlet Connection	Female luer lock	Female luer lock	Female luer lock
Outlet Connection	Male slip luer/male tube tip	Male slip luer/male tube tip	Male slip luer
Sterilization	Autoclave at 121°C (131°C max) at 15 psi for 20 minutes ¹	Autoclave at 121°C (131°C max) at 15 psi for 20 minutes ¹	Autoclave at 121°C (131°C max) at 15 psi for 20 minutes ¹

¹ Not recommended for Nylon.

Ordering Information

4 mm Puradisc Syringe Filters (Non-Sterile)						4 mm Puradisc Syringe Filters (Sterile)			
Pack Size	Pore Size (µm)	Without tube tip				Without tube tip			With tube tip
		Membrane				Membrane			Membrane
		Nylon	PVDF	PTFE	PS	Nylon	PVDF	PS	PVDF
50 pack	0.1	—	—	—	—	—	—	—	—
	0.2	—	—	—	—	6786-0402	6791-0402	6780-0402	6777-0402
	0.45	—	—	—	—	—	—	6780-0404	6777-0404
100 pack	0.2	6789-0402	6779-0402	6784-0402	6782-0402	—	—	—	—
	0.45	6789-0404	6779-0404	6784-0404	6782-0404	—	—	—	—
500 pack	0.2	6790-0402	6792-0402	6783-0402	—	—	—	—	—
	0.45	6790-0404	6792-0404	6783-0404	—	—	—	—	—

Ordering Information

13 mm Puradisc Syringe Filters (Non-Sterile)											
Pack Size	Pore Size (µm)	Without tube tip							With tube tip		
		Membrane							Membrane		
		Nylon	PVDF	PTFE	PS	PP	GMF	CA	Nylon	PVDF	PTFE
50 pack	0.2	—	—	—	—	—	—	—	—	6777-1302	6775-1302
	0.45	—	—	—	—	—	—	—	—	6777-1304	6775-1304
100 pack	0.1	6789-1301	—	6784-1301	—	—	—	—	—	—	—
	0.2	6789-1302	6779-1302	6784-1302	6782-1302	6788-1302	—	—	—	—	—
	0.45	6789-1304	6779-1304	6784-1304	6782-1304	6788-1304	—	6771-1304	—	6796-1304	—
	1.0	—	—	6784-1310	—	—	—	—	—	—	—
	5.0	—	—	6784-1350	—	—	—	—	—	—	—
	GF/A 1.6*	—	—	—	—	—	6820-1316	—	—	—	—
	GF/B 1.0*	—	—	—	—	—	6821-1310	—	—	—	—
500 pack	GF/C 1.2*	—	—	—	—	—	6822-1312	—	—	—	—
	GF/D 2.7*	—	—	—	—	—	6823-1327	—	—	—	—
	GF/F 0.7*	—	—	—	—	—	6825-1307	—	—	—	—
	934-AH 1.5*	—	—	—	—	—	6827-1315	—	—	—	—
	0.2	—	6792-1302	6783-1302	—	6785-1302	—	—	6762-1302	6760-1302	6761-1302
2000 pack	0.45	—	6792-1304	6783-1304	6781-1304	6785-1304	6818-1304	—	6762-1304	6760-1304	6761-1304
	0.2	—	6765-1302	6766-1302	—	—	—	—	—	—	—
	0.45	—	6765-1304	6766-1304	—	—	—	6763-1304	—	—	—
	934-AH 1.5*	—	—	—	—	—	6816-1315	—	—	—	—

* Particle Retention Rating

Ordering Information

13 mm Puradisc Syringe Filters (Sterile)					
Pack Size	Pore Size (µm)	Without tube tip			With Tube tip
			Membrane		Membrane
		Nylon	PVDF	PES	PVDF
50 pack	0.1	6786-1301	—	—	—
	0.2	6786-1302	6791-1302	6780-1302	6778-1302
	0.45	—	6791-1304	6780-1304	—

Ordering Information

25 mm Puradisc Syringe Filters (Non-Sterile)									25 mm Syringe Filters (Sterile)
Pack Size	Pore Size (µm)	Membrane							Membrane
		Nylon	PVDF	TF	PP	AS (PES)	GF/F	GMF	PES
50 pack	0.1	—	—	6784-2501	—	—	—	—	—
	0.2	6750-2502	6746-2502	6784-2502	6786-2502	—	—	—	6780-2502
	0.45	6750-2504	6746-2504	6784-2504	6786-2504	—	—	—	6780-2504
	1.0	6750-2510	—	6784-2510	—	—	—	—	6780-2510
	GF/F 0.7 *	—	—	—	—	—	6825-2517	—	—
100 pack	GD-1 1.0	—	—	—	—	—	—	6783-2510	—
	GD-2 2.0 *	—	—	—	—	—	—	6783-2520	—
200 pack	0.2	6751-2502	6747-2502	6785-2502	6788-2502	6781-2502	—	—	—
	0.45	6751-2504	6747-2504	6785-2504	6788-2504	6781-2504	—	—	—
	1.0	6751-2510	—	—	—	6781-2510	—	—	—
	GF/F 0.7 *	—	—	—	—	—	6825-2527	—	—
300 pack	0.2	—	—	—	—	6759-2502	—	—	—
	0.45	—	—	—	—	6759-2504	—	—	—
500 pack	0.45	6752-2504	—	—	—	—	—	—	—
1000 pack	0.1	—	—	6798-2501	—	6794-2504	—	—	—
	0.2	6753-2502	6749-2502	6798-2502	—	6794-2502	—	—	6794-2512
	0.45	6753-2504	6749-2504	6798-2504	—	—	—	—	—
	GD-1 1.0	6753-2510	—	6798-2510	—	—	—	6792-2510	—
	GF/C 1.2 *	—	—	—	—	—	6758-2512	—	6794-2514

* Particle Retention Rating

GD/X

Whatman GD/X syringe filters are the ideal choice for the preparation of hard-to-filter samples. The syringe filters have a pigment-free polypropylene housing to eliminate sample contamination and contain a unique prefiltration stack of Whatman GMF 150 (graded density) and GF/F glass microfiber media, which allows you to filter even the most difficult samples with less hand pressure. Compared to an unprotected membrane, GD/X syringe filters can process three to seven times more sample volume.

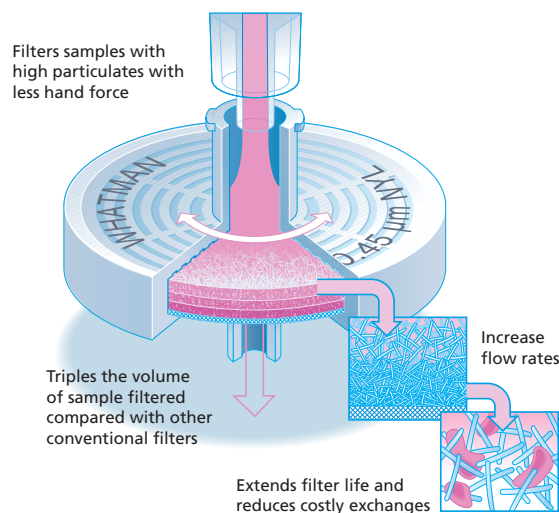
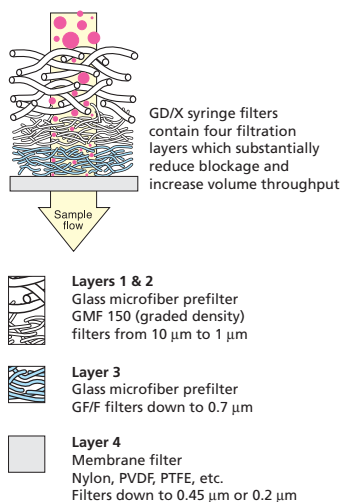
GMF 150 (graded density) and GF/F are produced from 100% borosilicate glass microfiber. The unique, graded density GMF 150 medium has a coarse top layer meshed with a fine layer beneath that retains particles to 1.0 μm . A GF/F filter then retains particles down to 0.7 μm . Below the prefilter stack is the final membrane. This provides exceptionally good loading capacity with fast flow rates and avoids the build up of back pressure often experienced through "blocking" of an unprotected membrane.

Features and Benefits

- 13 mm and 25 mm diameter syringe filters
- 13 mm device for samples up to 10 mL and 25 mm device for samples larger than 10 mL
- Sterile options available

Applications

- Hard-to-filter heavily particulate laden samples
- Dissolution testing
- Content uniformity
- Concentration analysis
- Routine sample preparation
- Food analysis
- Environmental samples
- Composite assay



Typical Data

	GD/X 13 mm	GD/X 25 mm
Housing	Polypropylene (pigment free)	Polypropylene (pigment free)
Filtration Area	1.3 cm^2	4.6 cm^2
Maximum Pressure	100 psi	75 psi
Volume 'Hold Up' Full Housing	0.5 mL	1.4 mL
with Air Purge	50 μL (approx)	250 μL (approx)
Dimensions	21.7 mm x 29.7 mm	21.7 mm x 29.7 mm
Weight	3 g (approx)	3 g (approx)
Flow Direction	Flow should enter from the inlet	Flow should enter from the inlet
Inlet Connection	Female luer lock	Female luer lock
Outlet Connection	Male slip luer	Male slip luer
Sterilization	Autoclave at 121°C (131°C max) at 15 psi for 20 minutes [†]	Autoclave at 121°C (131°C max) at 15 psi for 20 minutes [†]
Biosafe	All materials pass USP Class VI	All materials pass USP Class VI
Glass Microfiber	100% borosilicate	100% borosilicate
Prefiltration Media	GMF 150 10 μm : 1 μm GF/F 0.7 μm	GMF 150 10 μm : 1 μm GF/F 0.7 μm

[†] Not recommended for Nylon

Ordering Information

GD/X Syringe Filters									
Quantity/ Pack	Pore Size (µm)	Membrane							
		Nylon	PVDF	PTFE	Polysulfone	PES	Poly- propylene	Cellulose acetate	GMF
13 mm Syringe Filters Non-Sterile									
150	0.2	6870-1302	6872-1302	6874-1302 ¹	6876-1302	—	6878-1302 ¹	—	—
	0.45	6870-1304	6872-1304	6874-1304 ¹	—	—	6878-1304 ¹	6880-1304	—
	0.45*	—	—	—	—	—	—	—	6894-1304
25 mm Syringe Filters Non-Sterile									
150	0.2	6870-2502	6872-2502	6874-2502 ¹	6876-2502	6904-2502	6878-2502 ¹	6880-2502	—
	0.45	6870-2504	6872-2504	6874-2504 ¹	6876-2504	6904-2504	6878-2504 ¹	6880-2504	—
	0.45*	—	—	—	—	—	—	—	6894-2504
	0.7*	—	—	—	—	—	—	—	6890-2507 ^{6**}
	1.0	—	—	—	—	—	—	—	6884-2510 ^{3**}
	1.2	—	—	—	—	—	—	—	6886-2512 ^{4**}
	1.5	—	—	—	—	—	—	—	6892-2515 ^{5**}
	1.6	—	—	—	—	—	—	—	6882-2516 ^{6**}
	2.7*	—	—	—	—	—	—	—	6888-2527 ^{5**}
	5.0	6870-2550	—	—	—	—	—	—	—
1500	0.2	6871-2502	6873-2502	6875-2502	—	6905-2502	—	—	—
	0.45	6871-2504	6873-2504	6875-2504 ¹	—	6905-2504	—	6881-2504	—
	0.45*	—	—	—	—	—	—	—	6895-2504
25 mm Syringe Filters Sterile									
50	0.2	—	6900-2502	—	—	6896-2502	—	6901-2502	—
	0.45	—	6900-2504	—	—	6896-2504	—	6901-2504	6902-2504
500	0.2	—	—	—	—	6897-2502	—	—	—
	0.45	—	—	—	—	6897-2504	—	—	—

* Particle Retention Rating.

** Contains GMF 150 but not GF/F prefilter.

¹ Not Hydrophilic² GF/A³ GF/B⁴ GF/C⁵ GF/D⁶ GF/F⁷ 934-AH

GD/XP

Whatman GD/XP syringe filters are ideal for use with samples that require inorganic ion analysis, as levels of ion extractables are minimized. They are also an alternative choice for users requiring a filter that exhibits extremely low protein binding characteristics.

GD/XP syringe filters contain a two layer prefilter stack comprised of 20 μm and 5 μm polypropylene filters. The last stage of filtration is a choice of membrane, which is positioned below the prefilter stack.

Applications

- HPLC sample preparation
- Trace metal analysis



Typical Data

GD/XP 25 mm	
Housing	Polypropylene (pigment free)
Filtration Area	4.6 cm ²
Maximum Pressure	75 psi
Volume 'Hold Up' full housing	1.4 mL
	with air purge 250 μL (approx)
Dimensions	21.7 mm x 29.7 mm
Weight	3 g (approx)
Flow Direction	Flow should enter from the inlet
Inlet Connection	Female luer lock
Outlet Connection	Male slip luer
Sterilization	Autoclave at 121°C (131°C max) at 15 psi for 20 minutes [†]
Biosafe	All materials pass USP Class VI
Prefiltration Media	PP 20 μm : 5 μm

[†] Not recommended for Nylon.

Ordering Information

GD/XP Syringe Filters		Pore Size (μm)	Diameter (mm)	Hydrophilic	Solvent Resistance	Quantity/Pack
Catalog Number	Membrane					
6970-2504	Nylon	0.45	25	Yes	Good	150
6972-2504	PVDF	0.45	25	Yes	Good	150
6973-2504	PVDF	0.45	25	Yes	Good	1500
6974-2504	PTFE	0.45	25	No	Very Good	150
6978-2504	Polypropylene	0.45	25	No	Good	150
6993-2504	DpPP	0.45	25	No	Good	1500
6994-2504	PES	0.45	25	Yes	Poor	150

Whatman®

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ZC



25 mm ZC Syringe Filter

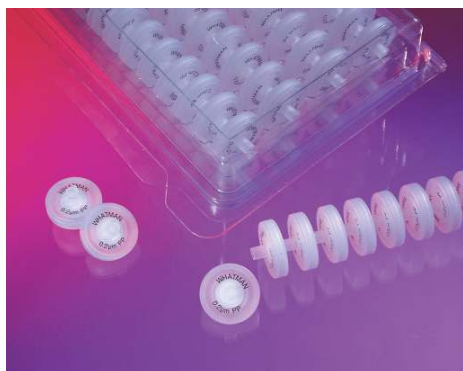
ZC robotic/syringe filters are designed to be fully compatible with the Zymark® Benchmate and other Zymark robotic systems. The ZC syringe filters feature a polypropylene housing and contain a prefilter stack of Whatman graded density Multigrade GMF 150 and GF/F glass microfiber, which increases loading capacity and significantly reduces back pressure when difficult samples are filtered. These devices offer an effective alternative to single layer devices and prevent premature membrane clogging.

Applications

- Automated sample filtration
- Tablet dissolution tests

Features and Benefits

- 13 mm and 25 mm diameter syringe filters
- Available in two sizes for sample volumes up to 10 mL and samples greater than 10 mL
- High loading capacity for difficult samples
- Choice of membranes and pore sizes available for wide sample compatibility
- Suitable for manual and automated processes



13 mm ZC Filter



25 mm ZC Filter

Typical Data

	13 mm ZC	25 mm ZC
Housing	Polypropylene	Polypropylene
Dimensions	21.7 mm x 29.7 mm	21.7 mm x 29.7 mm
Weight	3 g (approx)	3 g (approx)
Filtration Area	1.3 cm ²	4.6 cm ²
Glass Microfiber	100% borosilicate	100% borosilicate
Maximum Pressure	100 psi	75 psi
Volume 'Hold Up' Full Housing	0.5 mL	1.4 mL
with Air Purge	50 µL (approx)	250 µL (approx)
Inlet Connection	Female slip luer	Female slip luer
Outlet Connection	Male slip luer	Male slip luer
Prefiltration Media	GMF 150 10 µm : 1 µm and GF/F 0.7 µm	GMF 150 10 µm : 1 µm and GF/F 0.7 µm
Sterilization	Autoclave at 121°C (max 131°C) at 15 psi for 20 minutes	Autoclave at 121°C (max 131°C) at 15 psi for 20 minutes
Biosafe	All materials pass USP Class VI	All materials pass USP Class VI

Ordering Information

Catalog Number	Membrane	Pore Size (µm)	Hydrophilic	Protein Binding	Solvent Resistance	Quantity/ Pack
13 mm ZC Syringe Filters						
6840-1304	Nylon	0.45	Yes	High	Good	200
6841-1302	Nylon	0.2	Yes	High	Good	1000
6843-1304	PVDF	0.45	Yes	Low	Good	1000
6844-1302	PTFE	0.2	No	Low	Excellent	200
6844-1304	PTFE with prefilter	0.45	No	Low	Excellent	200
6847-1304	Polysulfone	0.45	Yes	Low	Poor	1000
6849-1302	Polypropylene	0.2	No	Low	Good	1000
6851-1302	Cellulose acetate	0.2	Yes	Low	Good	1000
6857-1312	Glass Microfiber (GF/C)	1.2*	Yes	Fair	Excellent	1000
6862-1315	Glass Microfiber (934-AH)	1.5*	Yes	Fair	Excellent	200
6853-1316	Glass Microfiber (GF/A)	1.6*	Yes	Fair	Excellent	1000
25 mm ZC Syringe Filters						
6840-2504	Nylon	0.45	Yes	High	Good	200
6841-2502	Nylon	0.2	Yes	High	Good	1000
6841-2504	Nylon	0.45	Yes	High	Good	1000
6843-2504	PVDF	0.45	Yes	Low	Good	1000
6844-2502	PTFE	0.2	No	Low	Excellent	200
6844-2504	PTFE with prefilter	0.45	No	N/A	Very Good	200
6846-2504	Polysulfone	0.45	Yes	Low	Poor	200
6847-2504	Polysulfone	0.45	Yes	Low	Poor	1000
6849-2504	Polypropylene	0.45	No	Low	Good	1000
6864-2504	Glass Microfiber (GMF)	0.45*	Yes	Fair	Excellent	200
6860-2507	Glass Microfiber (GF/F)	0.7*	Yes	Fair	Excellent	200
6854-2510	Glass Microfiber (GF/B)	1.0*	Yes	Fair	Excellent	200
6855-2510	Glass Microfiber (GF/B)	1.0*	Yes	Fair	Excellent	1000
6853-2516	Glass Microfiber (GF/A)	1.6*	Yes	Fair	Excellent	1000
6858-2527	Glass Microfiber (GF/D)	2.7*	Yes	Fair	Excellent	200

* Particle Retention Rating

Syrfil® MF

Syrfil® MF syringe filters are ideal for small sample filtration and sterile filtration of aqueous solvents. These filters feature high quality Membra-Fil cellulosic membranes in Cyrolite® housing and are manufactured with no toxic surfactants, making them ideal for life science applications. Syrfil filters allow minimal protein adsorption and feature superior flow characteristics, including a unique flow deflector that enhances flow and reduces back pressure.

Typical Data

Housing	Cyrolite® (acrylic-based co-polymer)
Filter Media	Mixed esters of cellulose
Filter Diameter	25 mm
Filter Area	3.9 cm ²
Inlet/Outlet	Luer-lok®/Luer-slip
Maximum Operating Temperature	45°C
Maximum Operating Pressure	75 psi (5.2 bar)
Fluid Retention	<0.1 mL
Sterilization	Presterilized, individually wrapped
Biosafety	Meets USP XXIII Class VI plastic tests

Ordering Information

Syrfil® MF Syringe Filters				
Diameter (mm)	Pore Size (µm)	Catalog Number	Color	Quantity/Pack
25	0.22	144666	Blue	50
25	0.45	144667	Grey	50
25	0.8	144668	Green	50
25	0.22	144661	Blue	200

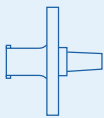
NEW EasyDisc™ 25 mm

New EasyDisc is a high quality microfiltration solution for everyday use in large volume applications. These easy-to-use filters facilitate quick and convenient sample preparation and allow greater throughput without the need for syringe filter replacement in mid-operation. Available in a 0.45 µm pore size, EasyDisc Syringe Filters also provide enhanced versatility through a wide array of filtration media.

Features and Benefits

- Innovative design reduces physical exertion and operator fatigue
- Affordable price helps minimize sample preparation costs without jeopardizing operation integrity
- Advanced technology increases filtering volume as much as 300%
- Rigorous testing of each lot ensures product reliability
- ISO-driven manufacturing processes assure consistent quality
- Range of filtration media meets diverse application needs

Technical Specifications

Dimensions	 Diameter: 29.7 mm Length: 21.7 mm
Weight	Approximately 3 grams/unit
Filtration Area	4.6 cm ²
Maximum Pressure	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	
Full Housing	~1.0 mL
With Purge	~120 µL
Connectors	
Inlet	Female Luer Lock (FLL)
Outlet	Male Slip Luer (MSL)
Flow Direction	Flow from inlet to outlet (FLL side to MSL)
Sterilization	Can be autoclaved at 121°C once for 20 minutes

Applications

- HPLC sample preparation
- Routine QC analysis
- Content uniformity
- Removal of protein precipitates
- Dissolution testing

Technical Specifications

	Proteinaceous/Biological Samples	General Aqueous	Non-Aggressive/Organic (e.g., Alcohols)	Aggressive Organic (e.g., DMF)
Nylon (NYL)	—	++	+	—
Polyvinylidene fluoride (PVDF)	++	++	+	—
Polytetrafluoroethylene (PTFE)	—	—	++	++
Polyethersulfone (PES)	++	++	+	—
Polypropylene (PP)	—	—	++	++

++ Compatible + Limited compatibility — Not compatible

Ordering Information

		Filtration Media				
Pore Size	Pack Size	Nylon	PVDF	PTFE	PES	PP
0.45 µm	150	6710-2504	6712-2504	6714-2504	6716-2504	6718-2504
0.45 µm	1500	6711-2504	6713-2504	6715-2504	6717-2504	6719-2504

Whatman®

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Anotop®

Anotop syringe filters are designed for use with most organic solvents and aqueous materials and are suitable for sample volumes up to 100 mL. The devices feature a distinctive hexagonal housing, produced from pigment-free polypropylene to eliminate sample contamination. No wetting agents or adhesives are used in the manufacturing process.

Anotop syringe filters contain the unique Anopore membrane and are supplied in three pore sizes. Glass microfiber prefilter versions are available for difficult-to-filter samples.

Anotop 10

Features and Benefits

- 10 mm diameter syringe filter
- Inorganic membrane
- Capillary pore structure
- Made from Gamma-Alumina 6 mm Al_2O_3
- Low protein binding
- Sample volume up to 10 mL
- Low hold up volume <20 μ L ensures maximum sample recovery
- Sterile formats available for critical applications

Anotop 10 Plus

The Anotop 10 Plus syringe filter offers the added benefit of an integral glass microfiber prefilter. This unit is designed to enable difficult and hard-to-filter solutions to be filtered without adversely affecting the filtration efficiency of the final membrane. This can eliminate the need for sample clean up or expensive and time-consuming sequential filtration.



Anotop 25

Features and Benefits

- 25 mm diameter syringe filter
- Sample volume up to 100 mL
- Contains a glass microfiber prefilter

Applications

- Cold sterilization of growth media
- Phage and virus filtration
- Removal of high molecular weight proteins or polymers
- Liposome extrusion
- Filtration of solvents for spectroanalysis and analytical sample preparation

Anotop 25 Plus

Applications

- Filtration of tissue culture media
- Clean-up of difficult samples
- Filtration of colloidal material
- Removal of mycoplasma

Applications

- HPLC sample preparation
- Biological sample preparation



Typical Data

	Anotop 10	Anotop 10 Plus	Anotop 25	Anotop 25 Plus
Housing	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Filtration Area	0.78 cm ²	0.78 cm ²	4.78 cm ²	4.78 cm ²
Maximum Pressure	100 psi	100 psi	100 psi	100 psi
Volume 'Hold Up'	<20 µL	<30 µL	<150 µL	<200 µL
Prefilter Type	N/A	Glass microfiber (binderless)	N/A	Glass microfiber (binderless)
Membrane Diameter	10 mm	10 mm	25 mm	25 mm
Membrane Type	Anopore	Anopore	Anopore	Anopore
Average Membrane Thickness	60 µm	60 µm	60 µm	60 µm
Device Width	14 mm	14 mm	31 mm	31 mm
Device Length	18 mm	18 mm	25 mm	25 mm
Device Shape	Hexagonal	Hexagonal	Hexagonal	Hexagonal
Construction Process	Thermal weld	Thermal weld	Thermal weld	Thermal weld
Inlet Connection	Female luer lock	Female luer lock	Female luer lock	Female luer lock
Outlet Connection	Male slip luer	Male slip luer	Male slip luer	Male slip luer
Protein Adsorption	Low	Medium/high	Low	Medium/high
Extractable Materials	Low	Low	Low	Low
Cytotoxicity	Non-cytotoxic	Non-cytotoxic	Non-cytotoxic	Non-cytotoxic

Anotop® IC

Whatman Anotop IC syringe filters are specifically designed for the preparation of samples for subsequent Ion Chromatography and HPLC analysis.

These devices ensure very low levels of anion leaching for ion chromatography testing.



Applications

- Ion chromatography sample preparation
- HPLC sample preparation

Features and Benefits

- 10 mm and 25 mm diameter syringe filters
- Better consistency of analytical results and extended column life
- Certified and guaranteed low levels of anion leaching mean better results

Typical Data

	Anotop 10 IC	Anotop 25 IC
Housing	Polypropylene	Polypropylene
Filtration Area	0.78 cm ²	4.78 cm ²
Maximum Pressure	100 psi	100 psi
Volume 'Hold Up' with Air Purge	<20 µL	<150 µL
Membrane Diameter	10 mm	25 mm
Construction Process	Thermal weld	Thermal weld
Extractable Materials	Negligible	Negligible
Average Membrane Thickness	60 µm	60 µm
Device Width	14 mm	31 mm
Device Length	18 mm	25 mm
Inlet Connection	Female luer lock	Female luer lock
Outlet Connection	Male slip luer	Male slip luer
Membrane Type	Anopore	Anopore

Anion	Level (ppb)
Fluoride	<10
Chloride	<15
Bromide	<20
Sulfate	<30
Phosphate	<75
Nitrite	<30
Nitrate	<30

Typical Average Anion Leaching Levels in 18 M W-cm (Meg Ohm-cm). Water at 20°C.

Whatman®

Call: 1.800.WHATMAN

Ordering Information

Catalog Number	Membrane	Pore Size (µm)	Hydrophilic	Protein Binding	Solvent Resistance	Quantity/Pack
Anotop 10						
6809-1002	Anopore	0.02	Yes	Low	Very Good	50
6809-1012	Anopore	0.1	Yes	Low	Very Good	50
6809-1022	Anopore	0.2	Yes	Low	Very Good	50
6809-1102	Anopore sterile	0.02	Yes	Low	Very Good	50
6809-1112	Anopore sterile	0.1	Yes	Low	Very Good	50
6809-1122	Anopore sterile	0.2	Yes	Low	Very Good	50
Anotop 10 Plus						
6809-3002	Anopore with prefilter	0.02	Yes	Low	Very Good	50
6809-3012	Anopore with prefilter	0.1	Yes	Low	Very Good	50
6809-3022	Anopore with prefilter	0.2	Yes	Low	Very Good	50
6809-3102	Anopore with prefilter sterile	0.02	Yes	Low	Very Good	50
6809-3112	Anopore with prefilter sterile	0.1	Yes	Low	Very Good	50
6809-3122	Anopore with prefilter sterile	0.2	Yes	Low	Very Good	50
Anotop 25						
6809-2002	Anopore	0.02	Yes	Low	Very Good	50
6809-2012	Anopore	0.1	Yes	Low	Very Good	50
6809-2022	Anopore	0.2	Yes	Low	Very Good	50
6809-2024	Anopore	0.2	Yes	Low	Very Good	200
6809-2102	Anopore sterile	0.02	Yes	Low	Very Good	50
6809-2112	Anopore sterile	0.1	Yes	Low	Very Good	50
6809-2122	Anopore sterile	0.2	Yes	Low	Very Good	50
Anotop 25 Plus						
6809-4002	Anopore with prefilter	0.02	Yes	Low	Very Good	50
6809-4012	Anopore with prefilter	0.1	Yes	Low	Very Good	50
6809-4022	Anopore with prefilter	0.2	Yes	Low	Very Good	50
6809-4024	Anopore with prefilter	0.2	Yes	Low	Very Good	200
6809-4102	Anopore with prefilter sterile	0.02	Yes	Low	Very Good	50
6809-4112	Anopore with prefilter sterile	0.1	Yes	Low	Very Good	50
6809-4122	Anopore with prefilter sterile	0.2	Yes	Low	Very Good	50
Anotop 10 IC						
6809-9234	Anopore	0.2	Yes	Low	Very Good	200
Anotop 10 IC Blister						
6809-9232	Anopore	0.2	Yes	Low	Very Good	50
6809-9235	Anopore	0.2	Yes	Low	Very Good	250
Anotop 25 IC						
6809-9244	Anopore	0.2	Yes	Low	Very Good	200