

Filters and Filter Paper Grades

Grade/Size	Characteristics	Application
Filters		
A	Fine porosity, fast flow rate	Radioimmunoassay and gravimetric determination of airborne particulates.
A-E	Fine porosity, fast flow rate, 99.98% DOP eff.	Primarily used in suspended solids and air monitoring.
C	Fine porosity, fast flow rate	RIA procedures and harvesting lymphocytes.
E	Fine porosity, fast flow rate	Suspended particle analysis in water, cell harvesting, prefiltration, and air monitoring.
F	Fine porosity, medium flow rate	Filter diluted aqueous solutions pre laser spectroscopy; TCLP analysis; & collect fine precipitated proteins including immunoglobulin.
TSS	High flow rate & cap., excellent wet strength	High-efficiency medium for testing dissolved and suspended solids in water and wastewater.
VSS	High loading capacity	Monitoring air pollution & high-temp. flue gas, filtering high-temp. solvents, determining fixed & volatile solids in high-heat applic.
Filter Paper		
CFP2, 8µm	Medium to slow flow rate	General filtration and absorbent conveyance, in plant growth trials, and in monitoring air and gases for contaminants.
CFP40, 8µm-10µm	Medium retention and flow rates	General liquid and gas procedures and liquid food tests.



Whatman

I.W. Tremont
Technical and Specialty Papers

Filters and Filter Paper

Filters—Allow resistance to the flow of liquids and encompass a high capacity for particle loading.

Quantitative Filter Paper—Designed for gravimetric analysis and the preparation of samples for instrumental analysis.

Qualitative Filter Paper—Made from high quality cotton liners to ensure reproducibility and uniformity.



Grade	Material	Pore Size	Dia.	Brand	Item No.	Pkg Qty.	
Filters							
Membrane Filters							
—	Cellulose Nitrate	5 µm	47 mm	Cytiva Whatman	32HH74	100	
—	Mixed Cellulose	0.45 µm	47 mm		32HK60	100	
—	Ester (MCE)	0.45 µm	47 mm		32HJ22	200	
—	Mixed Cellulose	0.45 µm	4.7 cm	LabExact by I.W. Tremont	14A840	1000	
—	Esters	0.45 µm	4.7 cm		14A842	100	
—		0.45 µm	4.7 cm		14A843	200	
Glass Microfiber Filters							
A	Binderless Glass Microfiber	1.6 µm	9 cm	LabExact by I.W. Tremont	14A851	100	
C		1.2 µm	9 cm		12K889	100	
E		1.5 µm	5.5 cm		12K951	100	
TSS		1.5 µm	4.7 cm		12K992	100	
TSS		1.5 µm	9 cm		12K995	100	
VSS		1.5 µm	4.7 cm		12K999	100	
VSS		1.5 µm	9 cm		12L004	100	
VSS		1.5 µm	11 cm		12K996	100	
934-AH			1.5 µm		21 mm	32HJ07	100
934-AH			—		32 mm	32HL05	100
934-AH	Borosilicate Glass	—	42.5 mm	Cytiva Whatman	32HL04	100	
934-AH		—	47 mm		32HH59	100	
934-AH		—	55 mm		32HH85	100	
934-AH		—	90 mm		32HH58	100	
GF/A		—	47 mm		32HJ90	100	
Filter Paper							
Quantitative Filter Paper							
40 - Ashless	High Quality Cotton Linters	8.0 µm	5.5 cm	Cytiva Whatman	32HK15	100	
40 - Ashless		8.0 µm	11 cm		32HH91	100	
41 - Ashless		20 to 25 µm	4.7 cm		32HK12	100	
41 - Ashless		20 to 25 µm	12.5 cm		32HH61	100	
42 - Ashless		2.5 µm	9 cm		32HL14	100	
50	Cellulose	2.7 µm	9 cm	LabExact by I.W. Tremont	32HL11	100	
CFP40		8.0 µm	9 cm		12K911	100	
CFP40		8.0 µm	11 cm		12K912	100	
CFP40		8.0 µm	12.5 cm		12K913	100	
CFP40		8.0 µm	15 cm		12K914	100	
CFP42		2.5 µm	11 cm		12K926	100	
CFP42		2.5 µm	18.5 cm		12K929	100	
CFP541		25.0 µm	9 cm		12K937	100	
CFP541		25.0 µm	18.5 cm		12K939	100	
CFP541		25.0 µm	12.5 cm		12K938	100	
General Qualitative Filter Paper							
230	Creped Paper	25 to 30 µm	25 cm	Cytiva Whatman	32HL42	50	
Qualitative Filter Paper							
CFP1	Cellulose	11.0 µm	12.5 cm	Cytiva Whatman	32HH68	100	
CFP1		11.0 µm	15 cm		32HH67	100	
CFP1		11.0 µm	18.5 cm		32HK50	100	
CFP1		11.0 µm	4.25 cm		12K890	100	
CFP1		11.0 µm	5.5 cm		12K891	100	
CFP1		11.0 µm	9 cm	LabExact by I.W. Tremont	12K893	100	
CFP1		11.0 µm	11 cm		12K894	100	
CFP1		11.0 µm	12.5 cm		12K895	100	
CFP1		11.0 µm	15 cm		12K896	100	
CFP1		11.0 µm	18.5 cm		12K897	100	
CFP1		11.0 µm	24 cm	Cytiva Whatman	12K898	100	
CFP2		8.0 µm	4.25 cm		32HK36	100	
CFP2		8.0 µm	9 cm		LabExact by I.W. Tremont	12K902	100
CFP2		8.0 µm	11 cm			32HK33	100
CFP2		8.0 µm	15 cm		Cytiva Whatman	32HK32	100
CFP3		6.0 µm	15 cm	LabExact by I.W. Tremont	12K909	100	
CFP4		20 to 25 µm	9 cm		32HJ11	100	
CFP4		20 to 25 µm	11 cm	Cytiva Whatman	32HH66	100	
CFP4		20 to 25 µm	12.5 cm		32HH65	100	
CFP4		25.0 µm	11 cm	LabExact by I.W. Tremont	12K917	100	
CFP4	25.0 µm	12.5 cm	12K922		100		
CFP4	25.0 µm	15 cm	12K923		100		
CFP4	25.0 µm	18.5 cm	12K924		100		
CFP41	20.0 µm	11 cm	12K918		100		
CFP41	20.0 µm	12.5 cm	12K919		100		
CFP50	2.7 µm	9 cm	36L290		100		



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LSS

Syringe Filters

Molded-in polypropylene housings for a reliable seal without adhesives. Supplied sterile in individual blister packs.

Anotop—Made of inorganic membranes; low protein binding. For organic solvents and aqueous materials.

Glass Fiber—Handles viscous solutions or turbid liquids.

Nylon—Universal filter for analytical procedures such as chemical and beverage filtration.

GD/X—Designed with a prefiltration stack and process 3 to 7 times more sample volume.

PES—Polyethersulfone material has a low affinity for proteins and extractables; faster flow rate than PVDF.

PVDF—Hydrophilic membrane for filtering nonaggressive aqueous and mild organic solutions.

PTFE—Hydrophobic membrane has great temperature resistance.

MCE—For aqueous solutions, oil particulates, and bacteria. Effectively binds trace proteins.

Puradisc—Special tube tip allows the sample to be accurately dispensed into a microvial.



32HJ33



12K961



11L859



11L846

Filter Material	Pore Size	Membrane Dia.	Brand	Item No.	Pkg. Qty.
Anotop Female Luer-Lok Inlet, Male Luer Outlet					
Anopore Membrane	0.02 µm	10 mm	Cytiva Whatman	32HJ33	50
Female Luer Lock Inlet, Male Luer-Lok Outlet					
Glass Fiber, Nylon, Polypropylene	0.45 µm	—	LabExact by I.W. Tremont	36L285	100
GD/X Female Luer-Lok Inlet, Male Luer Outlet					
Glass Microfiber	0.45 µm	25 mm	Cytiva Whatman	32HJ01	150
Polypropylene	0.45 µm	25 mm	—	32HJ28	150
GD/XP Female Luer-Lok Inlet, Male Luer Outlet					
Nylon	0.45 µm	25 mm	Cytiva Whatman	32HJ23	150
Luer-Lok Inlet, Luer-Slip (No-Barb) Outlet					
Glass Fiber	0.7 µm	25 mm	—	12K971	100
—	1 µm	25 mm	—	12K972	100
Hydrophilic PES	0.22 µm	25 mm	—	12K969	100
—	0.45 µm	25 mm	—	12K970	100
Hydrophilic PVDF	0.22 µm	13 mm	—	12K966	100
—	0.45 µm	13 mm	—	12K967	100
Hydrophobic PTFE	0.22 µm	13 mm	LabExact by I.W. Tremont	12K962	100
—	0.45 µm	13 mm	—	12K963	100
—	0.45 µm	25 mm	—	12K964	100
Nylon	0.22 µm	25 mm	—	12K965	100
—	0.45 µm	25 mm	—	12K960	100
—	0.45 µm	25 mm	—	12K961	100
Male Luer-Lok Inlet, Tapered 4 mm OD Outlet					
Hydrophilic PVDF	0.45 µm	30 mm	—	11L851	30
—	0.22 µm	13 mm	—	11L856	75
MCE (Mixed Cellulose Ester)	0.22 µm	30 mm	—	11L857	30
—	0.45 µm	13 mm	—	11L858	75
—	0.45 µm	30 mm	—	11L859	30
Nylon	0.45 µm	13 mm	—	11L860	75
—	0.45 µm	30 mm	—	11L861	30
—	0.22 µm	13 mm	—	11L852	75
PES	0.22 µm	30 mm	—	11L853	30
—	0.45 µm	13 mm	LSS	11L854	75
—	0.45 µm	30 mm	—	11L855	30
—	0.22 µm	13 mm	—	11L862	75
PTFE	0.22 µm	30 mm	—	11L863	30
—	0.45 µm	13 mm	—	11L864	75
—	0.45 µm	30 mm	—	11L865	30
PVDF	0.1 µm	13 mm	—	11L846	75
—	0.1 µm	30 mm	—	11L847	30
—	0.22 µm	13 mm	—	11L848	75
—	0.22 µm	30 mm	—	11L849	30
—	0.45 µm	13 mm	—	11L850	75
Puradisc Female Luer-Lok Inlet, Male Luer Outlet					
Nylon	1 µm	25 mm	Cytiva Whatman	32HK74	50
PVDF	0.45 µm	13 mm	—	32HK72	2000