

AH diagnostics

AN EXTRAORDINARY ADVENTURE

FILTRATION



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AN EXTRAORDINARY ADVENTURE



FILTRATION AND SEPARATION

• Macrofiltration	975
• Membrane filters	976 to 982
• Filter papers	981 and 983 to 990
• Syringe filters	991 to 999
• Filtration plates	999 and 1000
• Filter units	1001 to 1008
• Filter caps	1008 and 1009
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• Filtration systems and media 1010 to 1020	
• Filter Funnels	1021 to 1025
• Filter booms, systems and accessories	1023 and 1024
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• Filtration - dialysis	1026 to 1029

Nitex nylon filtration cloth (sifting fabric)

Cat. No.	Mesh opening (µm)	Open area (%)	Cloth Thickness (µm)	Wire Ø (µm)	Weight (g/m ²)	Coupon Dim. (cm)	Price
074001	1000	44	890	515	330	110 x 100	N/A -
074002	500	38	580	315	225	115 x 100	N/A -
074003	300	51	200	122	75	102 x 100	N/A -
074004	250	50	170	103	55	102 x 100	N/A -
074005	200	47	150	92	60	102 x 100	N/A -
074006	150	50	95	62	35	102 x 100	N/A -
074018	110	NC	NC	NC	NC	102 x 102	N/A -
074007	100	44	80	51	30	102 x 100	N/A -
074008	80	29	125	77	67	102 x 100	N/A -
074009	60	35	75	47	34	110 x 100	N/A -
074010	50	37	50	33	20	102 x 100	N/A -
074011	48	31	60	38	30	102 x 100	N/A -
074012	37	24	60	39	35	102 x 100	N/A -
074013	31	24	55	33	30	102 x 100	N/A -
074017	20	NC	NC	NC	NC	102 x 100	N/A -
074014	11	6	65	36	45	102 x 100	N/A -
074015	5	1	100	37	60	115 x 100	N/A -
074016	1	1	75	37	60	115 x 100	N/A -



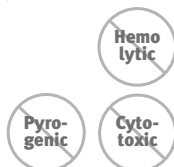
Single-strand nylon cloth for pre-filtering, filtering and sieving work.

- Highly rigorous manufacturing for increased reproducibility
- Ideal for culture: removal of cell debris, cell sieving, coarse particle filtration, solvent pre-filtering
- Operating temperature: -40 °C to +115 °C in dry conditions
- Range available in a wide choice of materials for use in special conditions (aggressive solutions, high temperature, etc.)
- Presented in lengths to be cut to size

Medifab polyamide filter fabric

Filtration fabric for medical use or bacteriological applications.

- Manufactured in a BPF/GMP clean room class ISO 7
- Low extractables (< 1000 mg/m² of fabric)
- Biocompatibility USP class VI
- Compliant with ISO 10993, ISO 9001:2008, ISO 14001, and ISO 16949
- Range available in PET



Cat. No.	Opening mesh (µm)	Area opening (%)	Thickness fabric (µm)	Wire Ø (µm)	Weight (g/m ²)	Dim. Cloth length (cm)	Price
987447	5	1	100	37	60	115 x 100	N/A -
987448	15	10	60	35	40	102 x 100	N/A -
987449	30	18	60	40	35	102 x 100	N/A -
987450	36	28	50	33	25	154 x 100	N/A -
987451	41	31	50	33	25	102 x 100	N/A -
987452	60	42	50	33	20	108 x 100	N/A -
987453	170	54	100	62	32	102 x 100	N/A -
987454	200	47	150	92	55	102 x 100	N/A -



Find the germination test papers: page 1028



Pack of filter paper, Joseph paper

Cat. No.	Description	Price
074021	Pack of non-folded white filter paper 42 x 52 cm, 64 g/m ² (7kg)	N/A -
074020	Pack of folded white filter paper, 42 x 52 cm, 64 g/m ² (7kg)	N/A -
074029	Joseph paper 35 x 50 cm (500 sheets)	N/A -
074082	Joseph paper 15 x 15 cm (200 sheets)	N/A -
074155	Joseph paper non-folded 35 x 50 cm (800 sheets)	N/A -
074156	Joseph paper folded 35 x 50 cm (800 sheets)	N/A -
074157	Joseph paper 35 x 50 cm (40 sheets)	N/A -



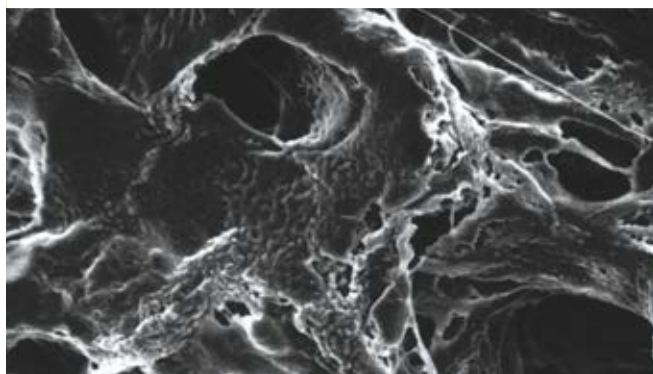
Glass wool

Borosilicate or extra fine glass wool string.

Cat. No.	Description	Price
001765	Borosilicate glass wool string 230 g (4 bags)	N/A -
068558	Extra fine glass wool 1 kg	N/A -
068556	Extra fine glass wool 30 g	N/A -



Mitex membrane filters



PTFE membrane without weft.
Other diameters available on request.

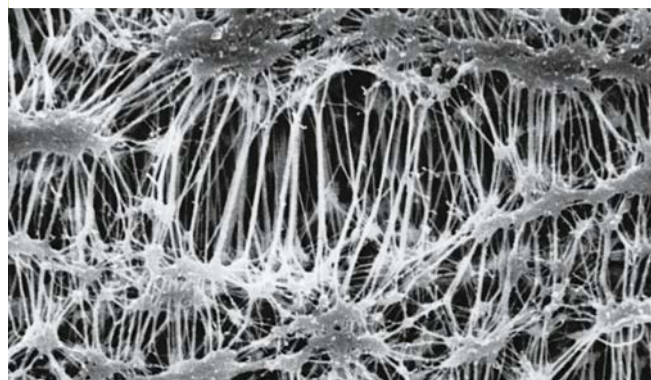
- > Hydrophobic filter (made hydrophilic by wetting with methanol)
- > Use up to 260 °C

> Applications

- > Filtration under extreme chemical and thermal conditions
- > Clarification of acids, bases
- > Clarification of aviation fuels
- > Analysis of hydraulic fluids

ø (mm)	13 mm ø		25 mm ø		47 mm ø	
Porosity (µm)	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100
5.0	044187	N/A -	044188	N/A -	044189	N/A -
10.0	044184	N/A -	044185	N/A -	044186	N/A -

Fluoropore membrane filters



PTFE membrane bonded to a high density polyethylene support.
Other diameters available on request.

- > Hydrophobic filter (made hydrophilic by wetting with methanol)
- > Use up to 130 °C

> Applications

- > Clarification of acids, bases and solvents
- > UV spectroscopy

ø (mm)	13 mm ø		25 mm ø		47 mm ø	
Porosity (µm)	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100
0.22	044173	N/A -	044174	N/A -	044175	N/A -
0.5	044179	N/A -	044180	N/A -	044181	N/A -
1	044170	N/A -	044171	N/A -	044172	N/A -
3	-	-	044182	N/A -	044183	N/A -

Isopore membrane filters



Polycarbonate membrane, translucent for microscopic observations.

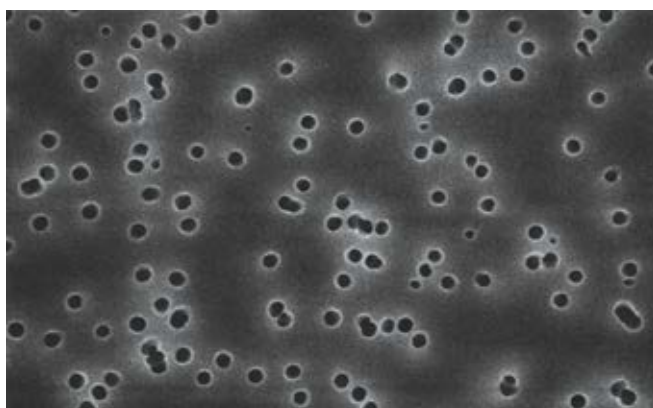
- > Perfectly smooth surface for easy sample observation
- > Calibrated cylindrical pores
- > Use up to 140 °C
- > Chemical compatibility: aqueous solutions, non-polar solvents, alcohols

> Applications

- > Analysis of particles and cells by scanning electron microscope
- > Splitting cells / particles
- > Cell cultures
- > Asbestos analysis
- > Epifluorescence

ø (mm)	13 mm ø		25 mm ø		47 mm ø		142 mm ø	
Porosity (µm)	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100	Cat. No.	Price/box of 50
0.1	044218	N/A -	044219	N/A -	044220	N/A -	-	-
0.22	044200	N/A -	044201	N/A -	044202	N/A -	-	-
0.4	044206	N/A -	044207	N/A -	044208	N/A -	-	-
0.8	051623	N/A -	051624	N/A -	051626	N/A -	051627	N/A -
1.2	044209	N/A -	044210	N/A -	044211	N/A -	-	-
5	044215	N/A -	044216	N/A -	044217	N/A -	-	-
8	051628	N/A -	051296	N/A -	051452	N/A -	-	-
10	044212	N/A -	044213	N/A -	044214	N/A -	-	-

Black membranes



ø (mm)	13 mm ø		25 mm ø		47 mm ø	
Porosity (µm)	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100
0.22	044197	N/A -	044198	N/A -	044199	N/A -
0.45	044203	N/A -	044204	N/A -	044205	N/A -

Other diameters and pore sizes available on request.

MF Membrane filters

Membrane consisting of a mixture of cellulose esters (nitrate and acetate). Standard filters suitable for a wide variety of analytical and research applications.

Other diameters available on request.

- Autoclavable at 121 °C
- Recommended for use below 75 °C
- Chemical compatibility: aqueous solutions and non-polar solvents
- Available in a range of pore sizes from 0.025 µm to 8 µm
- Applications: clarification and sterilisation of fluids, control of particulate contamination in air, microbiological analysis



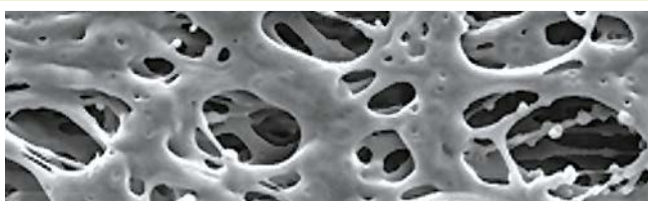
Surface / ø (mm)	Even / ø 13 mm		Even / ø 25 mm		Squared / ø 25 mm		Even / ø 47 mm		Squared / ø 47 mm	
Porosity (µm)	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100
0.025	044145	N/A -	044146	N/A -	-	-	044147	N/A -	-	-
0.05	044142	N/A -	044143	N/A -	-	-	044144	N/A -	-	-
0.1	044139	N/A -	044140	N/A -	-	-	044141	N/A -	-	-
0.22	044119	N/A -	044120	N/A -	-	-	044121	N/A -	-	-
0.45	044124	N/A -	044125	N/A -	044122	N/A -	044126	N/A -	044123*	N/A -
0.65	044116	N/A -	044117	N/A -	-	-	044118	N/A -	-	-
0.8	044113	N/A -	044114	N/A -	044111	N/A -	044115	N/A -	044112	N/A -
1.2	044127	N/A -	044128	N/A -	-	-	044129	N/A -	-	-
3.0	044136	N/A -	044137	N/A -	-	-	044138	N/A -	-	-
5.0	044133	N/A -	044134	N/A -	-	-	044135	N/A -	-	-
8.0	044130	N/A -	044131	N/A -	-	-	044132	N/A -	-	-

*white membrane with black grid

Express® PLUS membrane filters

Polyethersulfone (PES) membrane. For ultra-fast sterilising filtration of cell culture media, additives and other aqueous solutions. Other diameters available on request.

- Very high throughput and capacity
- Low protein adsorption



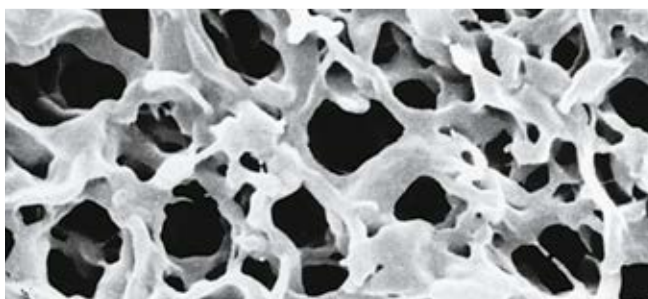
ø (mm)	13 mm ø		25 mm ø		47 mm ø		90 mm ø		142 mm ø	
Porosity (µm)	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100	Cat. No.	Price/box of 50	Cat. No.	Price/box of 50
0.22	044167	N/A -	044168	N/A -	044169	N/A -	051747	N/A -	051845	N/A -
0.45	051755	N/A -	051756	N/A -	051757	N/A -	051758	N/A -	051759	N/A -

Durapore membrane filters

Hydrophilic Durapore

Polyvinylidene fluoride (PVDF) membrane. Other diameters and pore sizes available on request.

- Very low protein adsorption: 4 µg/cm², significantly lower than nitrocellulose, nylon and PTFE
- Broad chemical compatibility
- Autoclavable at 121 °C
- Applications
 - Sterilising filtration of protein solutions, cell culture media, additives, antibiotics and alcohols
 - Particle removal
 - Biological analysis



Hydrophobic Durapore

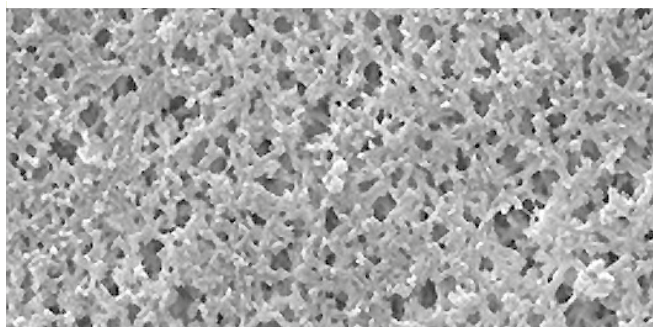
- High protein adsorption rate: 150 µg/cm²
- Autoclavable at 121 °C
- Applications: air and gas clarification
- Sterilising gas filtration

ø (mm)	13 mm ø		25 mm ø		47 mm ø	
Porosity (µm)	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100
0.1	044164	N/A -	044165	N/A -	044166	N/A -
0.22	044153	N/A -	044154	N/A -	044155	N/A -
0.45	044158	N/A -	044159	N/A -	044160	N/A -
0.65	044148	N/A -	044149	N/A -	044150	N/A -
5.0	044161	N/A -	044162	N/A -	044163	N/A -

ø (mm)	25 mm ø		47 mm ø	
Porosity (µm)	Cat. No.	Price/box of 100	Cat. No.	Price/box of 100
0.22	044151	N/A -	044152	N/A -
0.45	044156	N/A -	044157	N/A -



Hydrophilic nylon membrane filters



- ▶ Hydrophilic membrane, ideal for removing particles from solvents
- ▶ Broad chemical compatibility
- ▶ Use up to 135 °C

Cat. No.	Pore size(µm)	Diameter (mm)	Units/ box	Price/ box
044190	0.20	25	100	N/A -
044191		47	100	N/A -
044192	0.45	25	100	N/A -
044193		47	100	N/A -

Other diameters and porosities are available on request.



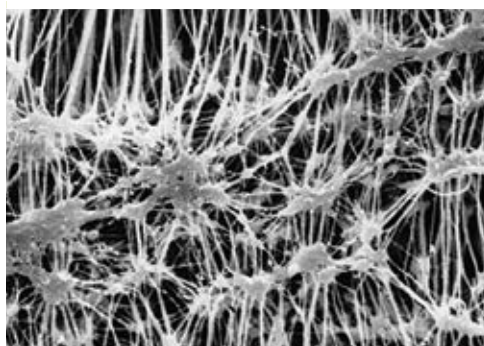
LCR Membrane filters

ø (mm)	13 mm ø		25 mm ø		47 mm ø	
Porosity (µm)	Cat. No.	Price/ box of 100	Cat. No.	Price/ box of 100	Cat. No.	Price/ box of 100
0.45	044176	N/A -	044177	N/A -	044178	N/A -

- ▶ Hydrophilic PTFE membrane
- ▶ For the filtration of aqueous fluids without prior wetting of the membrane
- ▶ Compatible with all solvents commonly used in HPLC
- ▶ Universal filter for mobile phase filtration in HPLC



Omnipore membrane filters

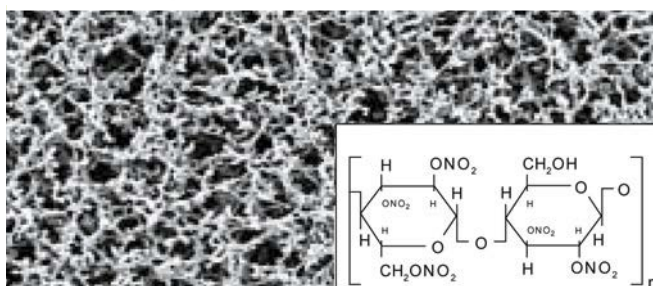


- ▶ Hydrophilic PTFE membrane for all types of virtual solvents, acids and alkaline solutions (for HPLC filtration solvents use LCR membrane).

ø (mm)	13 mm ø		25 mm ø		47 mm ø		90 mm ø		142 mm ø	
Porosity (µm)	Cat. No.	Price 100 units	Cat. No.	Price 100 units	Cat. No.	Price 100 units	Cat. No.	Price 25 units	Cat. No.	Price 25 units
0.1	053806	N/A -	053807	N/A -	053808	N/A -	053809	N/A -	053810	N/A -
0.2	053791	N/A -	053792	N/A -	053793	N/A -	053794	N/A -	053795	N/A -
0.45	053796	N/A -	053797	N/A -	053798	N/A -	053799	N/A -	053800	N/A -
1	053782	N/A -	053783	N/A -	053784	N/A -	053785	N/A -	053786	N/A -
5	053801	N/A -	053802	N/A -	053803	N/A -	053804	N/A -	053805	N/A -
10	053787	N/A -	053788	N/A -	051810	N/A -	053789	N/A -	053790	N/A -



Sartorius membrane filters



- ▶ Hydrophilic membranes made of cellulose nitrate esters or cellulose acetate
- ▶ Sterile in unit packs or non-sterile
- ▶ Retention threshold: 0.2 µm ou 0.45 µm
- ▶ Diameters: 13, 25 or 47 mm / thickness: 120 - 130 µm

Membranes ø 13 mm

Cat. No.	Porosity (µm)	Membrane	Presentation	Units/ box	Price/ box
146565	0.45	NC	White	100	N/A -
146599	0.2	AC	White	100	N/A -
146595	0.45	AC	White	100	N/A -

Membranes ø 25 mm

Cat. No.	Porosity (µm)	Membrane	Presentation		Units/ box	Price/ box
			Standard	Hydrophobic edge		
146574	0.2	NC	White/ Black Grid		100	N/A -
146566	0.45	NC	White		100	N/A -
146569	0.45	NC	White/ Black Grid		100	N/A -
146577	0.45	NC	Black/ White Grid		100	N/A -
146581	0.45	NC	Hydrophobic edge, black grid		100	N/A -
146600	0.2	AC	White		100	N/A -
146596	0.45	AC	White		100	N/A -

Membranes ø 47 mm (AC)

Standard	Porosity (µm)	Non-sterile			Sterile		
		Cat. No.	Units/ box	Price/ box	Cat. No.	Units/ box	Price/ box
White	0.2	146602	100	N/A -	146601	100	N/A -
	0.45	146598	100	N/A -	146597	100	N/A -

Hydrophobic edge	Porosity (µm)	Non-sterile			Sterile		
		Cat. No.	Units/ box	Price/ box	Cat. No.	Units/ box	Price/ box
White/Black grid	0.2	146607	100	N/A -	146606	100	N/A -
	0.45	146605	100	N/A -	146603	100	N/A -
White/Black grid 6 mm edge	0.45	-	-	-	146604	100	N/A -

Membranes ø 47 mm (NC)

Standard	Porosity (µm)	Non-sterile			Sterile		
		Cat. No.	Units/ box	Price/ box	Cat. No.	Units/ box	Price/ box
White	0.45	146568	100	N/A -	146567	100	N/A -
	0.45	-	-	-	146591	1000	N/A -
White/Green grid	0.45	146592	100	N/A -	146590	100	N/A -
	0.45	-	-	-	146575	100	N/A -
White/Black grid	0.2	-	-	-	146576	1000	N/A -
	0.2	-	-	-	146571A	100	N/A -
Black/ White grid	0.45	146572	100	N/A -	146571	1000	N/A -
	0.45	-	-	-	146571	1000	N/A -
Green/ Dark green grid	0.45	146580	100	N/A -	146578	100	N/A -
	0.45	-	-	-	146579	1000	N/A -
6 mm edge	0.45	146589	1000	N/A -	146587	100	N/A -
	0.45	-	-	-	146588	1000	N/A -

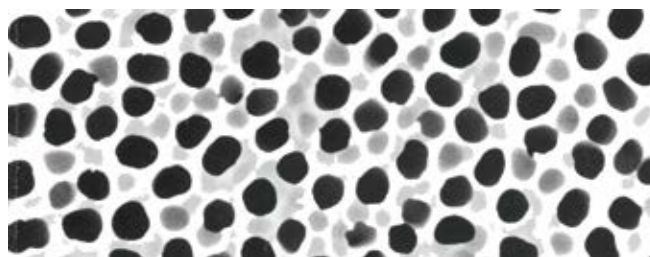
Hydrophobic edge	Porosity (µm)	Non-sterile			Sterile		
		Cat. No.	Units/ box	Price/ box	Cat. No.	Units/ box	Price/ box
White/Black grid	0.45	146584	100	N/A -	146582	100	N/A -
White/Black grid 6 mm edge	0.45	146583	100	N/A -	-	-	-

Whatman™ Membrane filters

Polytetrafluoroethylene (PTFE)

- > Hydrophobic membrane, resistant to organic solvents and strong acids and bases (e.g. HPLC solvent filtration)

Cat. No.	Type	Filtration threshold (µm)	Membrane	Diameter (mm)	Units/box	Price/box
036869	TE35	0.2	PTFE	47	50	N/A -
034962	TE35	0.2	PTFE	50	50	N/A -
036871	TE36	0.45	PTFE	47	50	N/A -
037317	TE36	0.45	PTFE	50	50	N/A -
036872	TE37	1	PTFE	47	50	N/A -
036873	TE38	5	PTFE	47	50	N/A -



PTFE: polytetrafluoroethylene; PNA: , Anopore™; RC: regenerated cellulose; AC: cellulose acetate; NYL: nylon/polyamide

Regenerated cellulose (RC)

- > Low protein adsorption
- > Hydrophilic membrane
- > Resistant to a wide variety of solvents
- > Suitable for use with aqueous solutions or organic solvents
- > Compatible with solvents used in HPLC

Cat. No.	Type	Filtration threshold (µm)	Membrane	Diameter (mm)	Units/box	Price/box
034972	RC58	0.2	RC	47	100	N/A -
037178	RC58	0.2	RC	50	100	N/A -
036824	RC55	0.45	RC	47	100	N/A -
037159	RC55	0.45	RC	50	100	N/A -
036885	RC60	1	RC	47	100	N/A -

Nylon/Polyamide (NYL)

- > Hydrophilic membrane
- > Resistant to certain organic solvents, suitable for use with high pH samples (e.g. mobile phase filtration, buffers, etc.)

Cat. No.	Type	Filtration threshold (µm)	Membrane	Diameter (mm)	Units/box	Price/box
036874	NL16	0.2	Polyamide	25	100	N/A -
036875	NL17	0.5	Polyamide	25	100	N/A -
036876	NL16	0.2	Polyamide	47	100	N/A -
036877	NL17	0.45	Polyamide	47	100	N/A -
037318	NL16	0.2	Polyamide	50	100	N/A -
037319	NL17	0.45	Polyamide	50	100	N/A -

Anopore™ (ANP)

- > Low protein adsorption
- > Hydrophilic membrane, excellent compatibility with organic solvents
- > Extremely accurate pore size distribution, very low filtration threshold
- > Ensures minimal extractables
- > Virtually transparent: ideal for microscopic examinations

Cat. No.	Type	Filtration threshold (µm)	Membrane	Diameter (mm)	Units/box	Price/box
036191	Anodisc	0.02	Anopore	25	50	N/A -
036886	Anodisc	0.1	Anopore	25	50	N/A -
036413	Anodisc	0.2	Anopore	25	50	N/A -
036188	Anodisc	0.02	Anopore	47	50	N/A -
036189	Anodisc	0.1	Anopore	47	50	N/A -
036190	Anodisc	0.2	Anopore	47	50	N/A -

Cellulose acetate (CA)

- > Hydrophilic membrane, low protein adsorption (ideal for protein recovery applications)
- > Limited solvent resistance

Cat. No.	Type	Filtration threshold (µm)	Membrane	Diameter (mm)	Units/box	Price/box
036878	OE66	0.2	AC	47	100	N/A -
036879	OE67	0.45	AC	47	100	N/A -
036881	ST68	0.8	AC	47	100	N/A -
036882	ST69	1.2	AC	47	100	N/A -

Whatman™ Sterile cellulose ester membrane filters

- > For microbiological controls
- > Individual strip packaging, STL format, compatible with Merck Millipore and Sartorius dispensers
- > Different grids and colours
- > Sterilised with ethylene oxide
- > Mixed cellulose esters
- > Thickness: 135 µm



036900



STL membranes for use with dispenser

Cat. No.	Type	Filtration threshold (µm)	Membrane	Ø (mm)	Units/box	Price/box
10407312	ME 25/21 STL	0.45	White / Black grid 3.1 mm	47	4 x 100	N/A -
10407314	ME 25/21 STL	0.45	White / Black grid 3.1 mm	50	4 x 100	N/A -
10407332	ME 25/31 STL	0.45	Black / White grid 3.1 mm	47	4 x 100	N/A -
10407334	ME 25/31 STL	0.45	Black / White grid 3.1 mm	50	4 x 100	N/A -
10407370	ME 25/41 STL	0.45	Green / Black grid 3.1 mm	47	4 x 100	N/A -
10407372	ME 25/41 STL	0.45	Green / Black grid 3.1 mm	50	4 x 100	N/A -
10408712	ME 24/21 STL	0.2	White / Black grid 3.1 mm	47	4 x 100	N/A -
10408714	ME 24/21 STL	0.2	White / Black grid 3.1 mm	50	4 x 100	N/A -
10407324	ME 25/20 STL	0.45	White / Black grid 5.0 mm	50	4 x 100	N/A -

Membrane dispenser

Cat. No.	Description	Price
036900	Manual membrane dispenser	N/A -

Nuclepore™ and Cyclopure™ Whatman™ polycarbonate membrane filters



- Specific track-etch manufacturing process, leading to a very high quality polycarbonate film
- Perfectly defined pore size
- Available in a wide range of diameters and cut-off points
- Specific for Legionella application, Cat. No. 037339

➤ Applications

- Epifluorescence
- Cytology
- Water control
- Solutions Clarification
- Cell Biology
- Control of pharmaceutical products
- Beverage control
- Air analysis
- EPA tests
- Environmental controls
- HPLC
- Fuel control
- Chemotaxis
- Parasitology

Nuclepore™ Membrane filters

Cat. No.	Porosity (µm)	Diameter (mm)	Pack unit.	Units/box	Price/box
10417301	0.8	13	100	100	N/A -
110605N	0.1	25	100	100	N/A -
10417006	0.2	25	100	100	N/A -
10417106	0.4	25	100	100	N/A -
10417306	0.8	25	100	100	N/A -
10417506	8	25	100	100	N/A -
111103N	0.05	47	100	100	N/A -
10417012	0.2	47	100	100	N/A -
037339*	0.4	47	100	100	N/A -
10417312	0.8	47	100	100	N/A -
111111N	2	47	100	100	N/A -
10417412	5	47	100	100	N/A -
10417014	0.2	50	100	100	N/A -
10417114	0.4	50	100	100	N/A -
111216N	12	50	100	100	N/A -

* Legionella special

Nuclepore™ Black polycarbonate membrane filters

- Fine uniformity and homogeneity of the pores achieved by the Track-Etch technique
- Black for fluorescent markings

Cat. No.	Porosity (µm)	Diameter (mm)	Pack unit.	Units/box	Price/box
110656N	0.2	25	100	100	N/A -

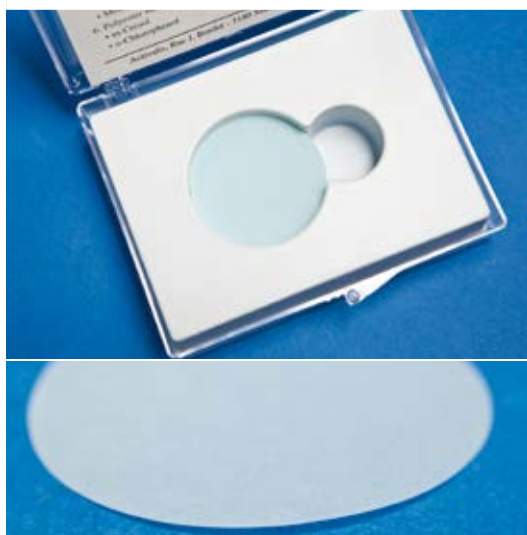
Cyclopure™ polycarbonate membrane filters

- Polycarbonate filtration membranes
- Thicker than Nuclepore membranes
- Autoclavable
- Thickness: 7 - 20 µm
- Hydrophiles

Cat. No.	Porosity (µm)	Diameter (mm)	Units/box	Price/box
10417606	0.2	25	100	N/A -
036200	0.4	25	100	N/A -
036201	5	25	100	N/A -
10417612	0.2	47	100	N/A -
036205	1	47	100	N/A -
036206	5	47	100	N/A -
036207	12	47	100	N/A -



IpPORE polycarbonate membrane filters



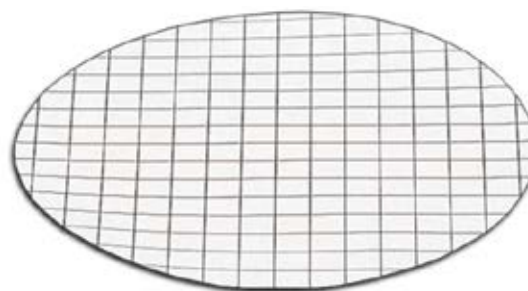
- Filtration thresholds from 0.05 µm to 12 µm
- Diameter 13, 25, 37, 47 and 80 mm
- Non-sterile

Filtration threshold	13 mm Ø		25 mm Ø		37 mm Ø		47 mm Ø		80 mm Ø	
	Cat. No.	Price 100 units	Cat. No.	Price 100 units	Cat. No.	Price 100 units	Cat. No.	Price 100 units	Cat. No.	Price 20 units
0.05 µm	-	-	321000	N/A -	-	-	321013	N/A -	-	-
0.1 µm	321029	N/A -	321001	N/A -	-	-	321014	N/A -	321041	N/A -
0.2 µm	321030	N/A -	321002	N/A -	321026	N/A -	321015	N/A -	321042	N/A -
0.4 µm	321031	N/A -	321003	N/A -	321027	N/A -	321016	N/A -	321043	N/A -
0.6 µm	321032	N/A -	321004	N/A -	-	-	321053	N/A -	321044	N/A -
0.8 µm	321033	N/A -	321005	N/A -	321028	N/A -	321018	N/A -	321045	N/A -
1 µm	321034	N/A -	321006	N/A -	-	-	321019	N/A -	321046	N/A -
2 µm	321035	N/A -	321007	N/A -	-	-	321020	N/A -	321047	N/A -
3 µm	321036	N/A -	321008	N/A -	-	-	321021	N/A -	321048	N/A -
5 µm	321037	N/A -	321009	N/A -	-	-	321022	N/A -	321049	N/A -
8 µm	321038	N/A -	321010	N/A -	-	-	321023	N/A -	321050	N/A -
10 µm	321039	N/A -	321011	N/A -	-	-	321024	N/A -	321051	N/A -
12 µm	321040	N/A -	321012	N/A -	-	-	321025	N/A -	321052	N/A -

Economical, sterile, gridded membrane filters

- In a mixture of cellulose esters (cellulose acetate and cellulose nitrate)
- Hydrophilic and biologically inert membranes
- Sterile, individual packaging

Cat. No.	Pore size (µm)	Colours	Grid	∅ (mm)	Units/box	Price/box
010362C	0.45	White	Black	47	100	N/A -
175071	0.45	Black	White	47	100	N/A -



Merck Millipore Glass microfibre filter papers



Type AP15: nominal retention 0.8 µm

Cat. No.	Diameter (mm)	Units/box	Price/box
044221	25	100	N/A -
044222	47	100	N/A -

- For pre-filtration to protect a microfiltration membrane when filtering clogging solutions
- High particle retention capacity throughout the thickness
- AP15, AP20, AP25 with acrylic resin bonding to prevent the release of fibres during filtration
- AP40 is free of binders, complies with analytical standards such as determination of suspended solids in water, air analysis

Type AP20: nominal retention 1 µm

Cat. No.	Diameter (mm)	Units/box	Price/box
044223	13	100	N/A -
044224	25	100	N/A -
044225	47	100	N/A -

Type AP25: nominal retention 2 µm

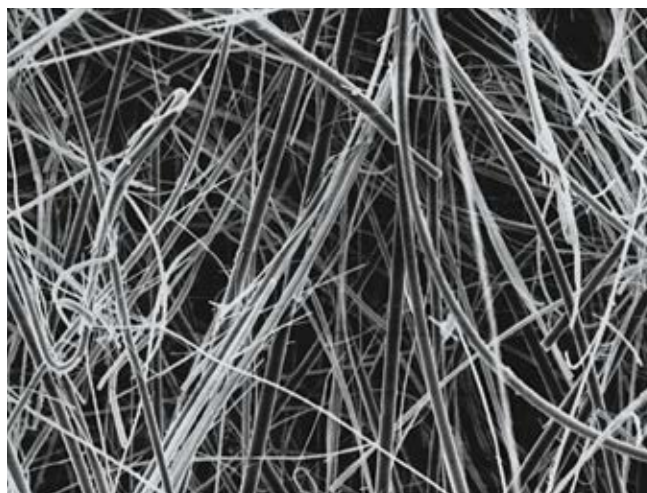
(3 times thicker than type AP20)

Cat. No.	Diameter (mm)	Units/box	Price/box
044226	13	100	N/A -
044227	25	100	N/A -
044228	47	100	N/A -

Type AP40: nominal retention 0.8 µm

(Without binder, for analytical applications)

Cat. No.	Diameter (mm)	Units/box	Price/box
044229	47	500	N/A -



Other sizes are available on request.

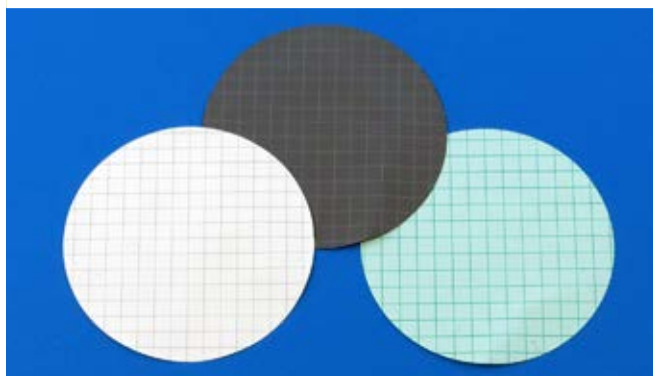
Forceps for membrane filters

- For handling membrane filters
- Polished stainless steel forceps with flat rounded tips
- Sterilisable in autoclave or by flaming after soaking in alcohol
- Sold in packs of 3: anise green, turquoise blue and fuchsia pink

Cat. No.	Description	Price pack of 3
051000	Flat-tipped forceps, set of 3 assorted colours	N/A -



Filtres membrane ClearLine® mixed cellulose esters (MCE) membrane filters



- ▶ Mixture of cellulose acetate and cellulose nitrate
- ▶ Hydrophilic, biologically inert membranes with high absorption and retention
- ▶ Uniform micro-structure for easy particle detection

White, non-sterile membranes

Porosity (µm)	Ø 25 mm		Ø 47 mm	
	Cat. No.	Price 100 units	Cat. No.	Price 100 units
0.22	-	-	175059B*	N/A -
0.45	175052	N/A -	175060	N/A -
0.65	175053	N/A -	175061	N/A -
0.8	175054	N/A -	175062	N/A -
1.2	-	-	175063	N/A -
3	-	-	175064	N/A -
5	-	-	175065	N/A -
8	-	-	175066	N/A -

* Packaging x 200

Sterile membranes, squared, Ø 47 mm

Colours	Black	
Grid	White	
Porosity (µm)	Cat. No.	Price 100 units
0.22	-	-
0.45	175071	N/A -

ClearLine® PES membrane filters



- ▶ Polyethersulfone (PES) compounds
- ▶ Asymmetric pore structure: very high flow rate
- ▶ Low protein content

White, non-sterile membranes

Porosity (µm)	Ø 25 mm		Ø 47 mm	
	Cat. No.	Price 100 units	Cat. No.	Price 100 units
0.22	175039	N/A -	175041B*	N/A -
0.45	175040	N/A -	175042	N/A -

* Packaging x 200

ClearLine® PTFE membrane filters



- ▶ Made of polytetrafluoroethylene (PTFE) laminated with a layer of PP
- ▶ Naturally hydrophobic, are used in air and gas filtration
- ▶ High thermal and chemical resistance
- ▶ For the filtration of aqueous solutions, it is necessary to pre-wet them with ethanol or methanol

White, non-sterile membranes

Porosity (µm)	Ø 25 mm		Ø 47 mm	
	Cat. No.	Price 100 units	Cat. No.	Price 100 units
0.22	175035B*	N/A -	175037	N/A -
0.45	175036	N/A -	175038	N/A -

* Packaging x 200

ClearLine® Nylon membrane filters



- ▶ Polyamide membranes (NYL)
- ▶ Naturally hydrophilic, chemically resistant to alkaline solutions and organic solvents
- ▶ Asymmetric pore structure: very high flow rate
- ▶ Very good thermal stability

White, non-sterile membranes

Porosity (µm)	Ø 25 mm		Ø 47 mm	
	Cat. No.	Price 100 units	Cat. No.	Price 100 units
0.22	175045	N/A -	175047	N/A -
0.45	175046	N/A -	175048	N/A -

ClearLine® Qualitative filter papers

- ▶ Standard range for qualitative analysis
- ▶ Suitable for rapid filtration of large particles and gelatinous precipitates
- ▶ Made of cellulose fibre
- ▶ Retention rate: 10 - 12 µm
- ▶ Weight: 85 g/m²
- ▶ Thickness: 200 µm
- ▶ Ash content: 0.06 %
- ▶ Other Dimensions on request



Grade 304			
Diameter (mm)	Cat. No.	Units/box	Price/box
90	442423	100	N/A -
100	442424	100	N/A -
110	442425	100	N/A -
125	442426	100	N/A -
150	442427	100	N/A -
185	442428	100	N/A -

ClearLine® Quantitative filter papers

- ▶ Standard range for quantitative analysis
- ▶ Made of cellulose fibre
- ▶ Ash content: 0.002 %
- ▶ Other Dimensions on request



	Grade 351		Grade 352		Grade 354	
Filtration speed	Slow		Medium		Fast	
Porosity (µm)	7 - 9		8 - 12		12 - 16	
Weight (g/m ²)	80		80		80	
Thickness (µm)	290		290		250	
Diameter (mm)	Cat. No.	Price 100 units	Cat. No.	Price 100 units	Cat. No.	Price 100 units
90	442439	N/A -	442429	N/A -	442434	N/A -
110	442440	N/A -	442430	N/A -	442435	N/A -
125	442441	N/A -	442431	N/A -	442436	N/A -
150	442442	N/A -	442432	N/A -	442437	N/A -
185	442443	N/A -	442433	N/A -	442438	N/A -

ClearLine® Glass microfibre filter papers

- ▶ Made from 100% pure borosilicate glass
- ▶ For qualitative analysis
- ▶ Withstands up to + 380 °C
- ▶ Fast flow
- ▶ Retention rate: 1.2 µm
- ▶ Weight: 55 g/m²
- ▶ Thickness: 270 µm



Cat. No.	Description	Price 100 units
442444	Glass microfibre filter paper grade 50 C Ø 47 mm	N/A -
442445	Glass microfibre filter paper grade 50 C Ø 90 mm	N/A -

ClearLine® Cellulose membrane filters

Cat. No.	Material	Ø (mm)	Porosity (µm)	Sterile	Gridded	Price 100 units
442446	Cellulose nitrate	47	0.45	Yes	Yes	N/A -
442447	Cellulose acetate	47	0.45	No	No	N/A -



FILTRATION

Whatman™ Glass fibre filter papers



100% binder-free glass fibre filters.

- With high loading capacity and retention of very fine to sub-micron particles
- Can be used down to 500 °C
- Applications: air filtration and gravimetric analysis of volatile materials in explosive atmospheres
- GMF 150 filters: multi-layer glass microfibre filters with a loose top layer (10 µm) upstream of a thin layer of 1 or 2 µm. Ideal pre-filter for high load capacities in connection with fast filter speeds
- QM-A quartz fibre filters: made of high purity quartz microfibre (SiO₂); high temperature resistance

Grade	Retention range (µm)	Air flow (s/100 mL/in ²)	Weight (g/m ²)	Thickness (µm)	
Glass fibre filters					
GF/A	1.6	4.3	53	260	<ul style="list-style-type: none"> ➤ Standard use filter ➤ Suspended solids ➤ Algae filtration, bacterial cultures ➤ Atmospheric control
GF/B	1	12	143	675	<ul style="list-style-type: none"> ➤ Thicker than GF/A: better moisture resistance, better load capacity
GF/C™	1.2	6.7	53	260	<ul style="list-style-type: none"> ➤ Recommended for standard suspended solids dosing processes ➤ Cell collection, liquid scintillography ➤ Binders analysis
GF/D	2.7	2.2	121	675	<ul style="list-style-type: none"> ➤ Membrane pre-filter - high loading capacity
GF/F	0.7	19	75	420	<ul style="list-style-type: none"> ➤ Excellent retention, filtration of fine particles ➤ DNA purification ➤ Dissolution tests
934-AH	1.5	3.7	64	435	<ul style="list-style-type: none"> ➤ Smooth surface and temperature resistance up to 550 °C ➤ Environmental analysis ➤ Air and water pollution ➤ Cell harvesting ➤ Liquid scintillation counting
Glass fibre filters					
GMF 150 - 1 µm	1.2	3.1	139	730	<ul style="list-style-type: none"> ➤ Multi-layer filter with progressive retention from 10 µm to 1.2 µm
GMF 150 - 2 µm	2.4	1.5	149	750	<ul style="list-style-type: none"> ➤ Multi-layer filter with progressive retention from 10 µm to 2.4 µm
Quartz fibre filters					
QM-A™	2.2	6.4	85	450	<ul style="list-style-type: none"> ➤ Air, acid gases, stacks, ducts and aerosols sampling

Standard grades

Dim. (mm)	GF/A			GF/B			GF/C™			GF/D			GF/F		
	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
ø 21	036281	100	N/A -	036461	100	N/A -	036311	100	N/A -	036465	100	N/A -	036470	100	N/A -
ø 24	036282	100	N/A -	036298	100	N/A -	036312	100	N/A -	036466	100	N/A -	036333	100	N/A -
ø 25	036283	100	N/A -	036299	100	N/A -	036313	100	N/A -	036325	100	N/A -	036334	100	N/A -
ø 37	036284	100	N/A -	036300	100	N/A -	036463	100	N/A -	-	-	-	036471	100	N/A -
ø 42.5	036285	100	N/A -	036301	100	N/A -	036314	100	N/A -	036467	100	N/A -	036335	100	N/A -
ø 47	036286	100	N/A -	036302	100	N/A -	036315	100	N/A -	036326	100	N/A -	036336	100	N/A -
ø 55	036288	100	N/A -	036303	100	N/A -	036317	100	N/A -	036468	100	N/A -	036337	100	N/A -
ø 70	036291	100	N/A -	036304	100	N/A -	036318	100	N/A -	036327	100	N/A -	036338	100	N/A -
ø 90	036292	100	N/A -	036305	25	N/A -	036319	100	N/A -	036328	25	N/A -	036339	25	N/A -
ø 110	036293	100	N/A -	036306	25	N/A -	036320	100	N/A -	036329	25	N/A -	036416	25	N/A -
ø 125	036294	100	N/A -	036307	25	N/A -	036321	100	N/A -	036330	25	N/A -	036417	25	N/A -
ø 150	036295	100	N/A -	036308	25	N/A -	036322	100	N/A -	036331	25	N/A -	036418	25	N/A -
ø 257	-	-	-	-	-	-	-	-	-	036332	25	N/A -	036419	25	N/A -
460 x 570*	-	-	-	036462	5	N/A -	-	-	-	-	-	-	-	-	-
460 x 570**	036297	25	N/A -	036310	25	N/A -	036324	25	N/A -	036469	25	N/A -	-	-	-

* 5 per box ** 25 per box

Whatman™ Glass fibre filter papers (continued)



Dimensions (mm)	Units/box	GMF 150 (1 µm)		GMF 150 (2 µm)		QM-A		934-AH™	
		Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
Ø 21	100	-	-	-	-	-	-	036482	N/A -
Ø 24	100	-	-	-	-	-	-	036421	N/A -
Ø 25	100	-	-	-	-	036428	N/A -	036483	N/A -
Ø 32	100	-	-	-	-	-	-	036484	N/A -
Ø 35	100	-	-	-	-	-	-	036485	N/A -
Ø 37	100	-	-	-	-	036429	N/A -	036486	N/A -
Ø 42.5	100	-	-	-	-	-	-	036487	N/A -
Ø 47	100	036472**	N/A -	036474	N/A -	036430	N/A -	036422	N/A -
Ø 55	100	-	-	-	-	698026	N/A -	036423	N/A -
Ø 70	100	-	-	-	-	-	-	036424	N/A -
Ø 90	100	036473*	N/A -	036475	N/A -	698027	N/A -	036425	N/A -
Ø 110	100	-	-	-	-	-	-	036426	N/A -
Ø 125	100	-	-	-	-	-	-	036427	N/A -
Ø 142	50	-	-	-	-	-	-	-	-
Ø 150	100	-	-	-	-	-	-	036488	N/A -
8" x 10"	100	-	-	-	-	036480	N/A -	-	-
8" x 10" (pre-numbered)	25	-	-	-	-	036431	N/A -	-	-
8" x 10" (pre-numbered)	100	-	-	-	-	-	-	036490	N/A -

- ▶ QM-A: quartz fibre for applications up to 500 °C
- ▶ 934-AH: for suspended solids analysis
- ▶ GMF150: multi-layer for highly charged liquid applications

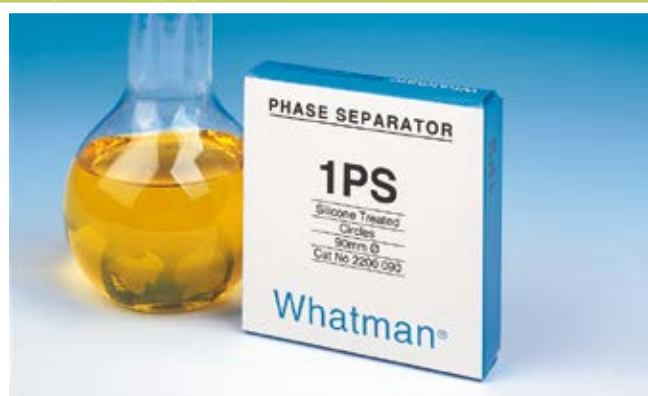
*: 20 per box
**: 40 per box

FILTRATION

1PS Whatman™ phase separator papers

Hydrophobic filter paper retaining aqueous phases and allowing organic phases to pass without any trace of aqueous phase. Ideal replacement for conventional decanter bulbs. Very practical when extracting solvents in a battery.

Cat. No.	Diameter (mm)	Price 100 units
036911	70	N/A -
2200090	90	N/A -
2200110	110	N/A -
2200125	125	N/A -
2200150	150	N/A -
2200185	185	N/A -
2200240	240	N/A -
2200270	270	N/A -



Whatman™ Quality filter papers

Cellulose filters made from high quality cotton wool. Qualitative filters are used in qualitative analysis techniques to determine and identify substances. Some grades are reinforced with a stable resin making them resistant to moisture



Grade (flat)	Filtration speed/ aspect	Retention (µm)	Thickness (µm)	Weight (g/m²)	Folded grade
Standard qualitative filters (flat or folded)					
1	Medium	11	180	87	1 V
2	Medium	8	190	97	2 V
3	Medium	6	390	185	-
4	Fast	25	210	92	4 V
5	Slow	2.5	200	100	-
-	Slow	2.5	200	92	5 V
6	Medium to slow	3	180	100	-
595	Medium to fast - fine	4 - 7	150	68	595 ^{1/2}
597	Medium to fast	4 - 7	180	85	597 ^{1/2}
602h	Slow	< 2	160	84	602 ^{1/2}
Qualitative filters resistant to moisture (flat or folded)					
91	Creped, Medium	10	205	65	-
93	Medium	10	145	65	-
113	Creped, Fast	30	420	125	113 V
114	Fast	25	190	75	114 V
1573	Slow	< 2	140	92	1573 ^{1/2}

Qualitative, standard

Ø (mm)	Units/ box	Grade 1		Grade 2		Grade 3		Grade 4		Grade 5		Grade 6	
		Cat. No.	Price/ box	Cat. No.	Price/ box	Cat. No.	Price/ box	Cat. No.	Price/ box	Cat. No.	Price/ box	Cat. No.	Price/ box
10	500	10016508	N/A -	-	-	-	-	-	-	-	-	-	-
23	100	-	-	-	-	1003323	N/A -	-	-	-	-	-	-
25	100	1001325	N/A -	-	-	-	-	-	-	1005325	N/A -	-	-
30	100	1001329	N/A -	-	-	-	-	-	-	-	-	-	-
32	100	1001032	N/A -	-	-	-	-	-	-	-	-	-	-
42.5	100	1001042	N/A -	1002042	N/A -	-	-	1004042	N/A -	1005042	N/A -	1006042	N/A -
47	100	1001047	N/A -	1002-047	N/A -	-	-	1004047	N/A -	1005047	N/A -	-	-
55	100	1001055	N/A -	1002055	N/A -	1003055	N/A -	1004055	N/A -	1005055	N/A -	-	-
70	100	1001070	N/A -	1002070	N/A -	1003070	N/A -	1004070	N/A -	1005070	N/A -	1006070	N/A -
85	100	1001085	N/A -	-	-	-	-	-	-	-	-	-	-
90	100	1001090	N/A -	1002090	N/A -	1003090	N/A -	1004090	N/A -	1005090	N/A -	1006090	N/A -
110	100	1001110	N/A -	1002110	N/A -	1003110	N/A -	1004110	N/A -	1005110	N/A -	1006110	N/A -
125	100	1001125	N/A -	1002125	N/A -	1003125	N/A -	1004125	N/A -	1005125	N/A -	1006125	N/A -
150	100	1001150	N/A -	1002150	N/A -	1003150	N/A -	1004150	N/A -	1005150	N/A -	1006150	N/A -
185	100	1001185	N/A -	1002185	N/A -	1003185	N/A -	1004185	N/A -	-	-	1006185	N/A -
240	100	1001240	N/A -	1002240	N/A -	1003240	N/A -	1004240	N/A -	-	-	1006240	N/A -
L x W = 460 x 570	100	1001917	N/A -	1002917	N/A -	1003917	N/A -	1004917	N/A -	-	-	-	-

Qualitative, wetting resistant

Ø (mm)	Grade 91			Student grade/Grade 93			Grade 113			Grade 114		
	Cat. No.	Units/ box	Price/ box	Cat. No.	Units/ box	Price/ box	Cat. No.	Units/ box	Price/ box	Cat. No.	Units/ box	Price/ box
90	-	-	-	-	-	-	1113090	100	N/A -	1114090	100	N/A -
110	-	-	-	1093110	100	N/A -	-	-	-	-	-	-
110	1091110	4000	N/A -	1093111	1250	N/A -	1113110	100	N/A -	-	-	-
125	1091125	4000	N/A -	1093126	50	N/A -	1113125	100	N/A -	1114125	100	N/A -
150	1091150	1000	N/A -	-	-	-	1113150	100	N/A -	1114150	100	N/A -
185	1091185	1000	N/A -	-	-	-	1113185	100	N/A -	1114185	100	N/A -
240	1091240	1000	N/A -	-	-	-	1113240	100	N/A -	1114240	100	N/A -
320	-	-	-	-	-	-	1113320	100	N/A -	-	-	-
400	-	-	-	-	-	-	-	-	-	1114400	100	N/A -

Qualitative, standard folded and wet strengthened

Time saving thanks to the folded format:

- it is no longer necessary to fold the filters in four;
- Greater filtration area;
- maintains the filter's filtration speed: no premature clogging;
- Folding without affecting the technical characteristics of the filter.



Ø (mm)	Units/ box	Grade 1 V		Grade 2 V		Grade 4 V		Grade 113 V		Grade 114 V	
		Cat. No.	Price/ box	Cat. No.	Price/ box	Cat. No.	Price/ box	Cat. No.	Price/ box	Cat. No.	Price/ box
125	100	698020	N/A -	1202125	N/A -	698014	N/A -	1213125	N/A -	1214125	N/A -
150	100	698021	N/A -	1202150	N/A -	698015	N/A -	1213150	N/A -	1214150	N/A -
185	100	698022	N/A -	1202185	N/A -	698016	N/A -	1213185	N/A -	1214185	N/A -
240	100	698023	N/A -	1202240	N/A -	698017	N/A -	1213240	N/A -	1214240	N/A -
270	100	698024	N/A -	1202270	N/A -	698018	N/A -	1213270	N/A -	-	-
320	100	698025	N/A -	1202320	N/A -	698019	N/A -	1213320	N/A -	1214320	N/A -
385	100	-	-	1202385	N/A -	-	-	-	-	-	-
400	100	-	-	1202400	N/A -	-	-	-	-	-	-
500	100	-	-	1202500	N/A -	-	-	1213500	N/A -	-	-

Ø (mm)	Units/ box	Grade 595 ^{1/2}		Grade 597 ^{1/2}		Grade 602 ^{1/2}		Grade 1573 ^{1/2}	
		Cat. No.	Price/ box	Cat. No.	Price/ box	Cat. No.	Price/ box	Cat. No.	Price/ box
70	100	673406	N/A -	-	-	-	-	-	-
90	100	036991	N/A -	10311842	N/A -	-	-	-	-
110	100	036952	N/A -	037310	N/A -	-	-	-	-
125	100	037193	N/A -	036976	N/A -	037312	N/A -	037314	N/A -
150	100	036958	N/A -	673407	N/A -	037313	N/A -	037216	N/A -
185	100	10311647	N/A -	036852	N/A -	10312647	N/A -	037315	N/A -
240	100	10311651	N/A -	036944	N/A -	-	-	-	-

Whatman™ Quantitative filter papers



- **Standard quality, ashless**
- **Produced from high quality cotton fibres in dust controlled rooms**
- **High purity filter for a wide range of critical applications**
- **0.007% ash maximum**
- **High quality, low ash content**
- **Strong acid treatment for better chemical resistance and after wetting resistance**
- **Smooth and resistant surface for precipitate recovery**
- **0.015% ash maximum**
- **High quality, ashless**
- **Acid treatment for better resistance after wetting in combination with a very low ash residue**
- **Smooth and resistant surface for a wide variety of manipulations**
- **0.006% ash maximum**

Grade (flat)	Filtration speed	Retention (µm)	Thickness (µm)	Weight (g/m ²)
Quantitative ashless filters (rate < 0.007 %)				
40	Medium	8	210	95
41	Fast	20-25	220	85
42	Slow	2.5	200	100
43	Medium to Fast	16	220	95
44	Slow to medium	3	180	80
Hardened quantitative filters with low ash content (rate < 0.015 %)				
50	Slow	2.7	115	97
52	Medium	7	175	101
54	Very fast	20-25	185	92
Quantitative hardened ashless filters (rate < 0.006 %)				
540	Medium	8	160	88
541	Fast	20-25	155	82
542	Slow	2.7	150	93

Quantitative, ashless

Dimensions (mm)	Units/box	Grade 40		Grade 41		Grade 42		Grade 43		Grade 44	
		Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
Ø 30	100	1440329	N/A -	-	-	-	-	-	-	-	-
Ø 42.5	100	1440042	N/A -	1441042	N/A -	1442042	N/A -	-	-	-	-
Ø 47	100	1440047	N/A -	1441047	N/A -	1442047	N/A -	-	-	-	-
Ø 55	100	1440055	N/A -	1441055	N/A -	1442055	N/A -	-	-	-	-
Ø 70	100	1440070	N/A -	1441070	N/A -	1442070	N/A -	-	-	1444070	N/A -
Ø 90	100	1440090	N/A -	1441090	N/A -	1442090	N/A -	1443090	N/A -	1444090	N/A -
Ø 110	100	1440110	N/A -	1441110	N/A -	1442110	N/A -	1443110	N/A -	1444110	N/A -
Ø 125	100	1440125	N/A -	1441125	N/A -	1442125	N/A -	1443125	N/A -	1444125	N/A -
Ø 150	100	1440150	N/A -	1441150	N/A -	1442150	N/A -	1443150	N/A -	1444150	N/A -
Ø 185	100	1440185	N/A -	1441185	N/A -	1442185	N/A -	1443185	N/A -	1444185	N/A -
Ø 240	100	1440240	N/A -	1441240	N/A -	1442240	N/A -	-	-	-	-
Ø 320	100	-	-	1441320	N/A -	1442320	N/A -	-	-	-	-
8" x 10"	100	-	-	1441866	N/A -	-	-	-	-	-	-
460 x 570	100	1440917	N/A -	1441917	N/A -	-	-	-	-	-	-

Quantitative, reinforced low-ash and ash-free

Dimensions (mm)	Units/box	Reinforced low ash						Reinforced without ash					
		Grade 50		Grade 52		Grade 54		Grade 540		Grade 541		Grade 542	
		Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
Ø 24	100	-	-	-	-	-	-	1540324	N/A -	-	-	-	-
Ø 42.5	100	1450042	N/A -	-	-	-	-	1540042	N/A -	1541042	N/A -	-	-
Ø 47	100	-	-	-	-	-	-	-	-	1541047	N/A -	-	-
Ø 55	100	1450055	N/A -	-	-	1454055	N/A -	1540055	N/A -	1541055	N/A -	1542055	N/A -
Ø 70	100	1450070	N/A -	-	-	1454070	N/A -	-	-	1541070	N/A -	1542070	N/A -
Ø 90	100	1450090	N/A -	1452090	N/A -	1454090	N/A -	1540090	N/A -	1541090	N/A -	1542090	N/A -
Ø 110	100	1450110	N/A -	1452110	N/A -	1454110	N/A -	1540110	N/A -	1541110	N/A -	1542110	N/A -
Ø 125	100	1450125	N/A -	1452125	N/A -	1454125	N/A -	1540125	N/A -	1541125	N/A -	1542125	N/A -
Ø 150	100	1450150	N/A -	1452150	N/A -	1454150	N/A -	1540150	N/A -	1541150	N/A -	1542150	N/A -
Ø 185	100	1450185	N/A -	-	-	1454185	N/A -	1540185	N/A -	1541185	N/A -	1542185	N/A -
Ø 240	100	1450240	N/A -	1452240	N/A -	1454240	N/A -	1540240	N/A -	1541240	N/A -	1542240	N/A -
Ø 320	100	1450320	N/A -	-	-	1454320	N/A -	-	-	1541320	N/A -	-	-
500	100	-	-	-	-	1454500	N/A -	-	-	-	-	-	-
Surface cleaning	100	1450993	N/A -	-	-	-	-	-	-	-	-	-	-
460 x 570	100	-	-	-	-	1454917	N/A -	-	-	1541917	N/A -	-	-

1PS phase separator papers



Cat. No.	Ø (mm)	Price 100 units
036911B	70	N/A -
2200090B	90	N/A -
2200110B	110	N/A -
2200125B	125	N/A -
2200150B	150	N/A -
2200185B	185	N/A -
2200240B	240	N/A -
2200270B	270	N/A -

Antibiotic discs



► Cellulose discs for anti-biograms

► Diameter: 6, 9 or 12 mm

Cat. No.	Description	Units/box	Price/box
074074	Antibiotic disc 6 mm	1000	N/A -
074113	Antibiotic disc 9 mm	1000	N/A -
074114	Antibiotic disc 13 mm	1000	N/A -
175100	Antibiotic disc 25 mm	1000	N/A -



Glass fibre filter papers



- 100% borosilicate glass fibre and free of binders
- Very fine fibres particularly suitable for microfiltration
- Various applications (water filtration, algae, solvents, HPLC samples, proteins, purifications, ligand binding tests, suspended matter, cell harvesting)
- Excellent particle retention (pore sizes 0.7 µm to 2.7 µm)
- High load capacity
- Very high chemical purity (manufactured with demineralised water)
- Non-hygroscopic and biologically inert
- Chemical resistance to most solvents and reagents (except hydrofluoric acid)
- Temperature resistant up to 500 °C

Grade	Retention range (µm)	Weight (g/m²)	Thickness (mm)	Filtration speed (Herzberg)
259	1.6	52	0.26	60
260	1	143	0.70	200
261	1.2	52	0.26	100
262	2.7	120	0.53	30
263	0.7	75	0.45	310
264	1.5	65	0.28	60

Ø (mm)	Grade 259			Grade 260			Grade 261			Grade 262			Grade 263			Grade 264		
	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
21	036281B	100	N/A -	-	-	-	036311B	100	N/A -	036465B	50	N/A -	036470B	100	N/A -	036482B	100	N/A -
24	036282B	100	N/A -	036298B	100	N/A -	036312B	100	N/A -	036466B	50	N/A -	036333B	100	N/A -	036421B	100	N/A -
25	036283B	100	N/A -	036299B	100	N/A -	036313B	100	N/A -	036325B	50	N/A -	036334B	100	N/A -	036483B	100	N/A -
37	036284B	100	N/A -	-	-	-	036463B	100	N/A -	-	-	-	036471B	100	N/A -	036486B	100	N/A -
42.5	036285B	100	N/A -	036301B	100	N/A -	036314B	100	N/A -	036467B	50	N/A -	036335B	100	N/A -	036487B	100	N/A -
47	036286B	100	N/A -	036302B	100	N/A -	036315B	100	N/A -	036326B	50	N/A -	036336B	100	N/A -	036422B	100	N/A -
55	036288B	100	N/A -	036303B	100	N/A -	036317B	100	N/A -	036468B	50	N/A -	036337B	100	N/A -	036423B	100	N/A -
70	036291B	100	N/A -	036304B	100	N/A -	036318B	100	N/A -	036327B	50	N/A -	036338B	100	N/A -	036424B	100	N/A -
90	036292B	100	N/A -	036305C	50	N/A -	036319B	100	N/A -	036328B	25	N/A -	036339B	25	N/A -	036425B	100	N/A -
110	036293B	100	N/A -	036306B	25	N/A -	036320B	100	N/A -	036329B	25	N/A -	036416B	25	N/A -	036426B	100	N/A -
125	036294B	100	N/A -	036307B	25	N/A -	036321B	100	N/A -	036330B	25	N/A -	036417B	25	N/A -	036427B	100	N/A -
150	036295B	100	N/A -	036308B	25	N/A -	036322B	100	N/A -	036331B	25	N/A -	036418B	25	N/A -	036488B	100	N/A -

Phase separator papers grade 902

- Hydrophobic
- Silicone impregnated
- Allow the organic phase to pass through, and retain the aqueous phase and solid components

Grade	Weight (g/m ²)	Thickness (mm)	Filtration speed (DIN 53137)
902	85	0.17	25

Cat. No.	Ø (mm)	Price 100 units
036911B	70	N/A -
2200090B	55	N/A -
2200110B	110	N/A -
2200125B	125	N/A -
2200150B	150	N/A -
2200185B	185	N/A -
2200240B	240	N/A -
2200270B	270	N/A -

Standard filter papers



Grade	Applications	Aspect	Filtration speed	Retention range (µm)	Weight (g/m ²)	Thickness (mm)	Filtration speed (DIN 53137)
122 (flat or folded)	General laboratory work	Smooth	Fast	17-30	73	0.17	22
601	Analytical work	Smooth	Medium	5-13	73	0.16	88
304	General laboratory work	Creped	Slow	40	120	0.35	11

Dim. (mm)	Grade 601			Grade 304			Grade 122 (flat)			Grade 122 (folded)		
	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
Ø 42.5	1001042B	100	N/A -	-	-	-	-	-	-	-	-	-
Ø 47	1001047B	100	N/A -	-	-	-	-	-	-	-	-	-
Ø 55	1001055B	100	N/A -	-	-	-	-	-	-	-	-	-
Ø 70	1001070B	100	N/A -	-	-	-	-	-	-	-	-	-
Ø 85	1001085B	100	N/A -	-	-	-	-	-	-	-	-	-
Ø 90	1001090B	100	N/A -	1113090B	50	N/A -	1114090B	100	N/A -	-	-	-
Ø 110	1001110B	100	N/A -	1113110B	50	N/A -	-	-	-	-	-	-
Ø 125	1001125B	100	N/A -	1113125B	50	N/A -	1114125B	100	N/A -	1214125B	100	N/A -
Ø 150	1001150B	100	N/A -	1113150B	50	N/A -	1114150B	100	N/A -	1214150B	100	N/A -
Ø 185	1001185B	100	N/A -	1113185B	50	N/A -	1114185B	100	N/A -	1214185B	100	N/A -
Ø 240	1001240B	100	N/A -	1113240B	50	N/A -	1114240B	100	N/A -	-	-	-
Ø 250	-	-	-	-	-	-	-	-	-	1214240B	100	N/A -
Ø 270	-	-	-	-	-	-	1114270B	100	N/A -	-	-	-
Ø 320	-	-	-	1113320B	50	N/A -	-	-	-	1214320B	100	N/A -
Ø 400	-	-	-	-	-	-	1114400B	100	N/A -	-	-	-
Ø 500	-	-	-	1113500B	50	N/A -	-	-	-	-	-	-
460 x 570	1001917B	100	N/A -	-	-	-	-	-	-	-	-	-

Qualitative filter papers



- In cellulose
- Ash content 0.06%



Grade	Applications	Filtration speed	Retention range (µm)	Weight (g/m ²)	Thickness (mm)	Filtration speed (DIN 53137)
111	Thick and voluminous precipitates such as hydroxides and sulphides	Fast	12-15	84	0.20	10
113	Rapid filtration of liquids with fine particles	Medium	5-8	87	0.16	50
114	Barium, lead, zinc, nickel, sulphates, hydroxides, calcium fluoride	Slow	3-5	84	0.14	100
115	Barium, sulphates, metastannic acid, cuprous oxide	Very slow	2-3	84	0.14	180

Ø (mm)	Units/box	Grade 111		Grade 113		Grade 113 (folded)		Grade 114		Grade 115	
		Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
42.5	100	1004042B	N/A -	1002042B	N/A -	-	-	1006042B	N/A -	1005042B	N/A -
47	100	1004047B	N/A -	-	-	-	-	-	-	1005047B	N/A -
55	100	1004055B	N/A -	1002055B	N/A -	-	-	-	-	1005055B	N/A -
70	100	1004070B	N/A -	1002070B	N/A -	-	-	1006070B	N/A -	1005070B	N/A -
90	100	1004090B	N/A -	1002090B	N/A -	-	-	1006090B	N/A -	1005090B	N/A -
110	100	1004110B	N/A -	1002110B	N/A -	-	-	1006110B	N/A -	1005110B	N/A -
125	100	1004125B	N/A -	1002125B	N/A -	1202125B	N/A -	1006125B	N/A -	1005125B	N/A -
150	100	1004150B	N/A -	1002150B	N/A -	1202150B	N/A -	1006150B	N/A -	1005150B	N/A -
185	100	1004185B	N/A -	1002185B	N/A -	1202185B	N/A -	1006185B	N/A -	1005185B	N/A -
240	100	1004240B	N/A -	1002240B	N/A -	1202240B	N/A -	1006240B	N/A -	1005240B	N/A -
270	100	-	-	-	-	1202270B	N/A -	-	-	-	-
320	100	-	-	-	-	1202320B	N/A -	-	-	-	-
400	100	-	-	-	-	1202385B	N/A -	-	-	-	-
500	100	-	-	-	-	1202500B	N/A -	-	-	-	-



- Made from 100% cotton fibre
- Washed with acid and cleaned with demineralised water
- Ash content 0.007%

Grade	Applications	Filtration speed	Retention range (µm)	Weight (g/m ²)	Thickness (mm)	Filtration speed (DIN 53137)
11	For coarse and voluminous precipitates such as iron, aluminium, chromium hydroxide, si determination in steel and cast iron analysis	Fast	12 - 15	84	0.18	10
12	For coarse precipitates such as lead, iron, silver sulphides, arsenic, cadmium, food	Medium to fast	8 - 12	84	0.17	20
13	Fine precipitates such as magnesium, ammonium, phosphates	Medium	5 - 8	84	0.16	50
14	Fine precipitates such as lead dioxide, calcium fluoride, nickel sulphide, zinc sulphide	Slow	3 - 5	84	0.15	100
15	Difficult filtration conditions such as cold barium sulphates, metastannic acid, cuprous oxide	Very slow	2 - 3	84	0.14	180

Ø (mm)	Units/box	Grade 11		Grade 12		Grade 13		Grade 14		Grade 15	
		Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
55	100	1441055B	N/A -	1443055B	N/A -	1440055B	N/A -	1444055B	N/A -	1442055B	N/A -
70	100	1441070B	N/A -	1443070B	N/A -	1440070B	N/A -	1444070B	N/A -	1442070B	N/A -
90	100	1441090B	N/A -	1443090B	N/A -	1440090B	N/A -	1444090B	N/A -	1442090B	N/A -
110	100	1441110B	N/A -	1443110B	N/A -	1440110B	N/A -	1444110B	N/A -	1442110B	N/A -
125	100	1441125B	N/A -	1443125B	N/A -	1440125B	N/A -	1444125B	N/A -	1442125B	N/A -
150	100	1441150B	N/A -	1443150B	N/A -	1440150B	N/A -	1444150B	N/A -	1442150B	N/A -
185	100	1441185B	N/A -	1443185B	N/A -	1440185B	N/A -	1444185B	N/A -	1442185B	N/A -
210	100	-	-	-	-	1440241B	N/A -	-	-	-	-
240	100	1441240B	N/A -	1443240B	N/A -	1440240B	N/A -	1444240B	N/A -	1442240B	N/A -

Technical filter papers

- 100% cellulose fibres
- Mechanical resistance
- Food compatibility

Grade	Aspect	Retention range (µm)	Weight (g/m ²)	Thickness (mm)	Filtration speed (DIN 53137)
1101	Creped	38 - 75	160	0.55	26
1103	Smooth	12 - 16	150	0.30	65

Ø (mm)	Units/box	Grade 1101 (folded)		Grade 1103	
		Cat. No.	Price/box	Cat. No.	Price/box
70	100	-	-	1003070B	N/A -
90	100	-	-	1003090D*	N/A -
110	100	-	-	1003110B	N/A -
125	100	-	-	1003125B	N/A -
150	100	-	-	1003150B	N/A -
185	100	-	-	1003185B	N/A -
240	100	1213240B	N/A -	-	-
320	100	1213320B	N/A -	-	-

* 50 per box, price for 50

Whatman UNIFLO syringe filters

- Designed to filter up to 100 ml
- Polypropylene body
- Connection female Luer Lock inlet / male Luer outlet
- Printing on the filter body for easy identification
- Dead volume after purging with air 50 µl (13 mm membrane) and 100 µl (25 mm membrane)

Membranes and applications:

- **Nylon:** aqueous or organic samples, HPLC sample filtration, hydrophilic membrane
- **PES:** aqueous samples, good chemical and temperature resistance, low protein adsorption
- **PVDF:** aqueous or organic samples, HPLC sample filtration, slightly hydrophobic membrane with low protein adsorption
- **PTFE:** organic samples, hydrophobic membrane
- **H-PTFE:** Hydrophilic PTFE, organic solvents, aqueous samples, HPLC, low protein absorption



Whatman UNIFLO sterile syringe filters

Membrane	Ø neck (mm)	Filtration threshold (µm)	Units/box	Cat. No.	Price/box
PVDF	25	0.2	45	9913-2502	N/A -
		0.45		9913-2504	N/A -
PES	25	0.2	45	9914-2502	N/A -
		0.45		9914-2504	N/A -
		0.2		9915-2502	N/A -
PES	25	0.45	200	9915-2504	N/A -
		0.2		9916-1302	N/A -
		0.45		9916-1304	N/A -

Whatman UNIFLO non-sterile syringe filters

Membrane	Ø neck (mm)	Filtration threshold (µm)	Units/box	Cat. No.	Price/box
PVDF	13	0.2	500	800324	N/A -
		0.45		800325	N/A -
	25	0.2		99092502	N/A -
		0.45		99092504	N/A -
NYLON	13	0.2	500	800326	N/A -
		0.45		800327	N/A -
	25	0.2		800328	N/A -
		0.45		800329	N/A -
PTFE	13	0.2	500	800330	N/A -
		0.45		800331	N/A -
	25	0.2		800332	N/A -
		0.45		800333	N/A -
PES	13	0.2	500	800334	N/A -
		0.45		800335	N/A -
	25	0.2		800336	N/A -
		0.45		800337	N/A -
H-PTFE	13	0.2	100	9920-1302	N/A -
			500	9921-1302	N/A -
		0.45	100	9920-1304	N/A -
			500	9921-1304	N/A -
	25	0.2	100	9920-2502	N/A -
			500	9921-2502	N/A -
		0.45	100	9920-2504	N/A -
			500	9921-2504	N/A -

Millipore PTFE hydrophilic syringe filters Millex 13 mm

MERCK

For clarifying aqueous solutions and organic mixtures.

- Low adsorption and low extractable membrane
- Broad chemical compatibility
- HPLC certified
- Cat. No. and pore size noted on the filter body



Millex filters for simplicity G2 system

Pore size (µm)	Max. Vol. (ml)	Membrane	Filter body	Input / Output	Type Millex	Diameter (mm)	Merck Millipore Cat. No.	Units/box	Cat. No.	Price/box
0.45	10	Hydrophilic PTFE	PP	LL / LT	LCR	13	SLCRX13NL	100	044449	N/A -
0.45	10	Hydrophilic PTFE	PP	LL / LT	LCR	13	SLCRX13NK	1000	044450	N/A -
0.45	10	Hydrophilic PTFE	PP	LL / Tube	LCR	13	SLCRX13TL	100	044451	N/A -
0.2	10	Hydrophilic PTFE	PP	LL / LT	LG	13	SLLGX13NL	100	044452	N/A -
0.2	10	Hydrophilic PTFE	PP	LL / LT	LG	13	SLLGX13NK	1000	044453	N/A -

Millex Syringe filters



Membranes choice:

- **Durapore:** PVDF membrane with very low protein adsorption.
- **Express:** PES membrane combining low protein adsorption and fast filtration.
- **Cellulose Ester:** a standard membrane for a variety of uses, available in many porosities.
- **Fluoropore:** Hydrophobic PTFE for the filtration of gases and organic solvents.
- **LCR:** PTFE hydrophilic, universal, for aqueous and solvent solutions.

- **The widest range:** one type of Millex is specially designed for each application
- **Controlled quality:** the rigorous controls give Millex an incomparable safety and guarantee

Sterile Millex for aqueous solutions filtration

Pore size (µm)	Max vol. (ml)	Membrane	Filter body	Inlet/Outlet	Type Millex	Ø (mm)	Merck Millipore Cat. No.	Units/box	Cat. No.	Price/box
MF membrane (cellulose esters) - colour code BLUE										
0.22	100	Cellulose Ester	Acrylic	LL/LT	Millex-GS	33	SLGS033SS	50	051337	N/A -
0.22	100	Cellulose Ester	Acrylic	LL/LT	Millex-GS	33	SLGS033SB	250	051403	N/A -
0.45	100	Cellulose Ester	Acrylic	LL/LT	Millex-HA	33	SLHA033SS	50	051338	N/A -
0.45	100	Cellulose Ester	Acrylic	LL/LT	Millex-HA	33	SLHA033SB	250	051404	N/A -
0.8	100	Cellulose Ester	Acrylic	LL/LT	Millex-AA	33	SLAA033SS	50	051339	N/A -
0.8	100	Cellulose Ester	Acrylic	LL/LT	Millex-AA	33	SLAA033SB	250	051405	N/A -

Durapore (PVDF) membrane with very low protein adsorption - colour code YELLOW

0.1	100	Durapore	Acrylic	LL/LT	Millex-VV	33	SLV033RS	50	051375	N/A -
0.22	1	Durapore	HDPE	LL/LT	Millex-GV	4	SLGV004SL	100	051201	N/A -
0.22	10	Durapore	HDPE	LL/LT	Millex-GV	13	SLGV013SL	100	051202	N/A -
0.22	100	Durapore	Acrylic	LL/LT	Millex-GV	33	SLGV033RS	50	051366	N/A -
0.22	100	Durapore	Acrylic	LL/LT	Millex-GV	33	SLGV033RB	250	051407	N/A -
0.45	1	Durapore	HDPE	LL/LT	Millex-HV	4	SLHV004SL	100	051209	N/A -
0.45	10	Durapore	HDPE	LL/LT	Millex-HV	13	SLHV013SL	100	051210	N/A -
0.45	100	Durapore	Acrylic	LL/LT	Millex-HV	33	SLHV033RS	50	051350	N/A -
0.45	100	Durapore	Acrylic	LL/LT	Millex-HV	33	SLHV033RB	250	051408	N/A -
5	100	Durapore	Eastar	LL/LT	Millex-SV	25	SLSV025LS	50	051214	N/A -

Express (PES) Membrane with low protein adsorption and high flow rate - colour code GREEN

0.22	200	Express	Acrylic	LL/LT	Millex-GP	33	SLGP033RS	50	051205	N/A -
0.22	200	Express	Acrylic	LL/LT	Millex-GP	33	SLGP033RB	250	051409	N/A -

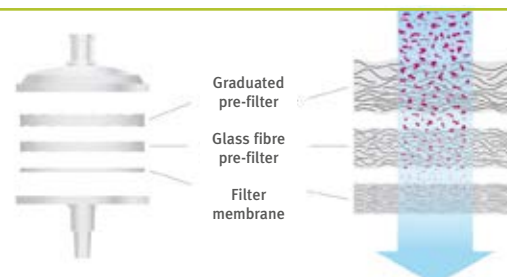
Hydrophilic LCR (PTFE) membrane with low protein adsorption and good chemical compatibility

0.2	10	Hydrophilic PTFE	PVC	LL/LT	Millex-LG	13	SLLG013SL	100	051400	N/A -
0.2	100	Hydrophilic PTFE	PVC	LL/LT	Millex-LG	25	SLLG025SS	50	051323	N/A -

Millex HPF for filtration of charged solutions



- Final filtration at 0.45 µm
- 2 to 4 times faster than a unit without pre-filter
- "Automation certified" for Zymark automation



*: Automation certified

Pore size (µm)	Max vol. (ml)	Membrane	Filter body	Inlet/Outlet	Type Millex	Ø (mm)	Merck Millipore Cat. No.	Units/box	Cat. No.	Price/box
0.2	300	PTFE + pre-filter	HDPE	LL/LT	HPF Millex-LG	25	SLLGM25NS	50	051802	N/A -
0.2	300	Nylon + pre-filter	HDPE	LL/LT	HPF Millex-HPF	25	SLGNM25NS	25	051804	N/A -
0.45	300	Durapore + pre-filter	HDPE	LL/LT	HPF Millex-HV	25	SLHVM25NS	50	051346	N/A -
0.45	300	Durapore + pre-filter	HDPE	LL/LT	HPF Millex-HV	25	SLHVM25NZ	200	051347*	N/A -
0.45	300	Nylon + pre-filter	HDPE	LL/LT	HPF Millex-HN	25	SLHNM25NS	50	051348	N/A -
0.45	300	Nylon + pre-filter	HDPE	LL/LT	HPF Millex-HN	25	SLHNM25NZ	200	051349*	N/A -
0.45	300	PTFE + pre-filter	HDPE	LL/LT	HPF Millex-LCR	25	SLCRM25NS	50	051803	N/A -

Millex for gas filtration - Pore size: 0.2 µm - Fluoropore membrane - Type Millex-GF



➤ Applications

➤ Filtration

➤ Air vent filters

➤ Vacuum lines

➤ Particle elimination

Filter body	Inlet/Outlet	Ø (mm)	Sterile	Auto-clavable	Merck Millipore Cat. No.	Units/box	Cat. No.	Price/box
Hydrophobic Fluoropore (PTFE) membrane								
PVC	LL/LT	25	Yes	No	SLFG025LS	50	051417	N/A -
PVC	LL/LL	25	Yes	No	SLFGL25BS	50	051238	N/A -
PP	LL/LT	25	No	Yes	SLFG02550	50	051239	N/A -
PP	Barbed fitting*	50	No	Yes	SLFG05010	10	051240	N/A -
PP	Idem (silicone)	50	No	Yes	SLFG85010	10	051241	N/A -
PP	Barbed fitting 1/8" NPTM	50	No	Yes	SLFG65010	10	051242	N/A -
PP	Barbed fitting 1/8" NPTM	50	No	Yes	SLFG55010	10	051336	N/A -

* With female Luer with external sliding

Non-sterile Millex for chemical filtration, HPLC sample preparation

➤ Low adsorption membrane and low extractables

➤ For clarifying aqueous solutions and organic mixtures

Pore size (µm)	Max vol. (ml)	Membrane	Filter body	Inlet/Outlet	Type Millex	ø (mm)	Merck Millipore Cat. No.	Units/box	Cat. No.	Price/box
0.22	1	Durapore	HDPE	LL/LT	Millex-GV	4	SLGVR04NL	100	051217	N/A -
							SLGVR04NK	1000	051218	N/A -
0.22	10	Durapore	HDPE	LL/LT	Millex-GV	13	SLGVX13NL	100	051384	N/A -
							SLGVX13NK	1000	051418	N/A -
0.45	1	Durapore	HDPE	LL/LT	Millex-HV	4	SLHVR04NL	100	051225	N/A -
							SLHVR04NK	1000	051226	N/A -
0.45	10	Durapore	HDPE	LL/LT	Millex-HV	13	SLHVX13NL	100	051233	N/A -
							SLHVX13NK	1000	051419	N/A -

Nylon membrane for the clarification of aqueous and organic solutions

0.2	10	Nylon	HDPE	LL/LT	Millex-GN	13	SLGNX13NL	100	051421	N/A -
							SLGNX13NK	1000	051422	N/A -
0.45	10	Nylon	HDPE	LL/LT	Millex-HN	13	SLHNX13NL	100	051425	N/A -
							SLHNX13NK	1000	051426	N/A -

Hydrophilic LCR (PTFE) membrane with low protein adsorption for the clarification of aqueous and organic solutions

0.2	1	Hydrophilic fluoropore	HDPE	LL/LT	Millex-LG	4	SLLGR04NL	100	051223	N/A -
							SLLGC13NL	100	051344	N/A -
0.2	10	Hydrophilic fluoropore	HDPE	LL/LT	Millex-IC	13	SLLGC25NS	50	051345	N/A -
							SLLHR04NL	100	051231	N/A -
0.45	1	Hydrophilic fluoropore	HDPE	LL/LT	Millex-LH	4	SLLHR04NL	100	051231	N/A -
							SLLHR04NK	1000	051232	N/A -
0.45	10	Hydrophilic fluoropore	HDPE	LL/LT	Millex-LCR	13	SLCR013NL	100	051236	N/A -
							SLCR013NK	1000	051410	N/A -

Hydrophobic Fluoropore (PTFE) membrane for the clarification of organic solvents

0.2	1	Hydrophilic fluoropore	HDPE	LL/LT	Millex-FG	4	SLFGR04NL	100	051219	N/A -
							SLFGX13NL	100	051412	N/A -
0.2	10	Hydrophilic fluoropore	HDPE	LL/LT	Millex-FG	13	SLFGX13NK	1000	051413	N/A -
							SLFG025NS	50	051430	N/A -
0.2	100	Hydrophilic fluoropore	HDPE	LL/LT	Millex-FG	25	SLFG025NS	50	051430	N/A -
							SLFG025NB	250	051414	N/A -
0.45	1	Hydrophilic fluoropore	HDPE	LL/LT	Millex-FH	4	SLFHR04NL	100	051227	N/A -
							SLFHX13NL	100	051415	N/A -
0.45	10	Hydrophilic fluoropore	HDPE	LL/LT	Millex-FH	13	SLFHX13NK	1000	051416	N/A -
							SLFH025NS	50	051363	N/A -

AP20 Glass fibre pre-filter

Between 0.8 and 8	100	Glass fibre	PVC	LL/LT	Millex-AP	25	SLAP02550	50	051216	N/A -
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Millex 33 mm non-sterile syringe filters for sample preparation

No sterile. 33 mm diameter offering almost 20% more filtration area compared to 25 mm filters. Low dead volume (< 80 µl).

- **Durapore (PVDF)** low protein adsorption. For the filtration of 10 to 100 ml of solution containing proteins before chromatographic analysis
- **Express Plus (PES):** high flow rate and yield or the filtration of 10 to 200 ml of solutions which are loaded with particles or difficult to filter before chromatographic analysis.
- **Nylon:** low level of extractables. For the clarification of 10 to 100 ml of aqueous and organic solutions.
- **PTFE:** low protein absorption. For the filtration of 10 to 100 ml of aqueous or organic solutions.

Pore size (µm)	Max volume (ml)	Membrane	Type Millex	Cat. No. Merck Millipore	Units/box	Cat. No.	Price/box
0.2	100	PTFE	Millex-LG	SLLG033NS	50	236044	N/A -
				SLLG033NB	250	236045	N/A -
				SLLG033NK	1000	236046	N/A -
0.45	100	PTFE	Millex-LCR	SLCR033NS	50	236047	N/A -
				SLCR033NB	250	236048	N/A -
				SLCR033NK	1000	236049	N/A -
0.22	100	Durapore	Millex-GV	SLGV033NS	50	051569	N/A -
				SLGV033NB	250	051570	N/A -
				SLGV033NK	1000	051571	N/A -
			Millex-HV	SLHV033NS	50	051572	N/A -
				SLHV033NB	250	051573	N/A -
				SLHV033NK	1000	051574	N/A -
0.45	200	Express Plus	Millex-GP	SLGP033NS	50	051575	N/A -
				SLGP033NB	250	051576	N/A -
				SLGP033NK	1000	057638	N/A -
			Millex-HP	SLHP033NS	50	051578	N/A -
				SLHP033NB	250	051579	N/A -
				SLHP033NK	1000	051580	N/A -
0.22	100	Nylon	Millex-GN	SLGN033NS	50	051581	N/A -
				SLGN033NB	250	051582	N/A -
				SLGN033NK	1000	051583	N/A -
			Millex-HN	SLHN033NS	50	051584	N/A -
				SLHN033NB	250	051585	N/A -
				SLHN033NK	1000	051586	N/A -



- Filtration area: 4.5 cm²
- Max. pressure: 8.6 bar
- Dead volume: < 80 µl after purging with air
- Polypropylene filter body
- Input/Output: LL/LT
- Low level of extractables
- High pressure resistance
- Low dead volume: 20% less than 25 mm filters
- Available in 0.22 µm and 0.45 µm
- PP filter body
- No-sterile

Midisart 2000 vent filters



- > Sterile vents for fermenters, carboys and CO₂ incubators of 6 to 120 litres
- > Can be used as filters for aqueous solution
- > Also for in-line sterilisation

Filter body / Membrane	PTFE - reinforced by polypropylene/ polypropylene
Membrane diameter	64 mm
Air flow rate at Δp = 0.1 bar (1.45 psi*)	Porosity 0.2 μm: 5.0 l/min Porosity 0.45 μm: 8.5 l/min

Midisart 2000 non-sterile

Cat. No.	Connectors	Threshold of Filtration	Units/box	Price/box
073011	connector olive (Ø 4-12 mm)	0.2 μm	100	N/A -
147809	connector olive (Ø 4-12 mm)	0.2 μm	500	N/A -
147813	fine connector olive (Ø 4-12 mm)	0.2 μm	100	N/A -

Midisart 2000 sterile

Cat. No.	Connectors	Threshold of Filtration	Units/box	Price/box
036895	-	0.45 μm	12	N/A -
147083	-	0.45 μm	25	N/A -
147084	1/8" and NTP	0.45 μm	12	N/A -
147085	1/8" and NTP	0.45 μm	25	N/A -
146902	connector Olive (Ø 4-12 mm)	0.2 μm	12	N/A -
147806	connector Olive (Ø 4-12 mm)	0.2 μm	25	N/A -
147807	1/8" and NTP	0.2 μm	12	N/A -
147808	1/8" and NTP	0.2 μm	25	N/A -

Minisart® RC Syringe filters



- > With regenerated cellulose membrane, hydrophilic
- > Non-sterile, autoclavable
- > For ultra cleaning of aqueous solutions and organic solvents
- > Connection: input luer lock, output luer

Cat. No.	Retention threshold (μm)	Ø (mm)	Filter area (cm ²)	Flow rate (ml/mm)	Dead volume (ml)	Units/box	Price/box
147072	0.2	4	0.07	3.5	0.005	50	N/A -
147867	0.45	4	0.07	3.5	0.005	50	N/A -
147846	0.2	15	1.7	10	0.15	50	N/A -
147847	0.45	15	1.7	30	0.01	50	N/A -
147848	0.2	25	4.8	40	0.15	50	N/A -
147849	0.45	25	4.8	100	0.15	50	N/A -

Minisart® SRP Syringe filters



- > With PTFE membrane, hydrophobic
- > Non-sterile, autoclavable
- > For ultra cleaning of aggressive solutions, HPLC and GC samples
- > Female luer lock input connection

Cat. No.	Retention threshold (μm)	Ø (mm)	Filter area (cm ²)	Flow rate (ml/mm)	Units/box	Price/box
147840	0.2	15	0.6	0.01	50	N/A -
147841	0.45	15	0.9	0.01	50	N/A -
147842	0.2	25	1.7	0.1	50	N/A -
147843	0.45	25	3	0.1	50	N/A -

Minisart® High Flow Syringe filters



- > Ready to use, sterile in individual packaging
- > PES (Poly Ether Sulfone) membrane: wide chemical compatibility - pH range: 1 to 14
- > High flow rate and filtration capacity
- > Membrane diameter: 28 mm / cryolite filter body diameter: 33 mm
- > Female LL inlet fitting

Minisart High Flow (Polyethersulfone / Cryolite membrane)

Filtration threshold (μm)	Luer Lock outlet (LL)			Luer Tip outlet (LT)		
	Sterile O.E.	Sterile gamma	Non sterile	Sterile O.E.	Sterile gamma	Non sterile
0.1	146610	-	-	-	-	-
0.2	146611	146613	146564NS	146612	-	150493
0.45	146615	-	146616	146559	146614	146626
Units/box	50	50	500	50	50	500
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

Minisart® NML and Minisart® Plus Syringe filters

SARTORIUS

- Ready to use
- Surfactant-free cellulose acetate membrane for very low protein adsorption
- Minisart Plus with glass fibre pre-filter: facilitates filtration of clogging solutions
- 5.3 cm² filtration area: high filtration rate
- CE marking in accordance with the European Directive ECD 93/42/EEG on medical devices for Minisart NML with pore sizes of 0.2 and 0.45 µm
- Membrane diameter: 28 mm / cryolite filter body diameter: 33 mm
- Female LL inlet fitting

➤ Applications

- Clarification and filtration of aqueous solutions for volumes up to 100 ml



Filtration threshold (µm)	Minisart NML Luer Lock (LL) outlet			Minisart NML Luer Tip (LT) outlet		Minisart Plus with pre-filter	
	Sterile O.E.	Sterile gamma	No sterile	Sterile O.E.	No sterile	Sterile	No sterile
0.2	146618	146617	146619	146563*	146620*	146630	146631
0.45	146622	146621	146623	146624*	146625*	146628	146629
0.65	147863	-	-	-	-	-	-
0.8	147838	150492	147839	-	-	-	-
1.2	146861	-	146862	-	-	-	146632
5	146608	-	146863	-	-	-	-
Units/box	50	50	500	50	500	50	500
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

ClearLine® Syringe filters

ClearLine®

Non-sterile syringe filters

- Diameter 25 or 30 mm

Membrane	Ø (mm)	Cone	Porosity 0.2 µm	Porosity 0.45 µm	Units/box	Price/box
Cellulose acetate	30	Luer	037042	037043	50	N/A -

Sterile syringe filters

- Diameter 33 mm
- In individual blister packs
- Polypropylene body

Membrane	Diameter (mm)	Porosity 0.2 µm	Porosity 0.45 µm	Price 50 units
Luer cone				
Cellulose acetate	33	037044	037045	N/A -
PES	33	051732	051230	N/A -
Cellulose esters	33	051798	051797	N/A -
PVDF	33	051733	051734	N/A -
Luer Lock cone				
Cellulose acetate	33	146560	146561	N/A -
PES	33	146564	-	N/A -



FILTRATION

Whatman™ GD/X™ Syringe filters with pre-filter

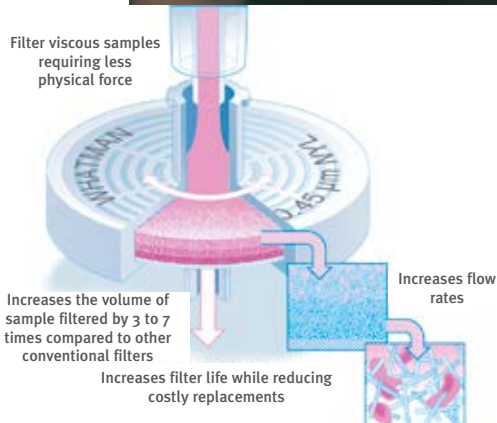
- ▶ Equipped with a multi-layer glass fibre pre-filter: exclusive Whatman GMF 150 pre-filtration layer (progressive density) and GF/F glass microfibre media
- ▶ Excellent retention capacity, avoids the use of several syringe filters for the same sample - time saving
- ▶ Up to 3 to 7 times more volume filtered than with a traditional filter



- ▶ Housing in Pigment free polypropylene (PP), prevents contamination of the sample
- ▶ Progressive density pre-filter: from 10 µm to 0.7 µm

Whatman GD/X™ Syringe filters, ø 13 mm

Cat. No.	ø (mm)	Membrane	Threshold stop (µm)	Sterile	Units/box	Price/box
036671	13	AC	0.2	No	150	N/A-
036672	13	AC	0.45	No	150	N/A-
036675	13	GF/A	1.6	No	150	N/A-
036677	13	GF/C	1.2	No	150	N/A-
036678	13	GMF	0.45	No	150	N/A-
036676	13	GMF	1	No	150	N/A-
034976	13	GMF	2.7	No	150	N/A-
036665	13	Nylon	0.2	No	150	N/A-
036666	13	Nylon	0.45	No	150	N/A-
036673	13	PP	0.2	No	150	N/A-
036674	13	PP	0.45	No	150	N/A-
036669	13	PSU	0.2	No	150	N/A-
036670	13	PSU	0.45	No	150	N/A-
036585	13	PTFE	0.2	No	150	N/A-
036586	13	PTFE	0.45	No	150	N/A-
036667	13	PVDF	0.2	No	150	N/A-
036668	13	PVDF	0.45	No	150	N/A-
6890-1307	13	GF/F	0.7	No	150	N/A-



Whatman GD/X™ Syringe filters, ø 25 mm

Cat. No.	ø (mm)	Membrane	Threshold stop (µm)	Sterile	Units/box	Price/box
036626	25	AC	0.2	No	150	N/A-
036655	25	AC	0.2	Yes	50	N/A-
036627	25	AC	0.45	No	150	N/A-
036656	25	AC	0.45	Yes	50	N/A-
036634	25	GMF	0.45	No	150	N/A-
036633	25	GF/F	0.7	No	150	N/A-
036629	25	GF/B	1	No	150	N/A-
036631	25	GF/C	1.2	No	150	N/A-
036628	25	GF/A	1.6	No	150	N/A-
036632	25	GMF	2.7	No	150	N/A-
036616	25	Nylon	0.2	No	150	N/A-
036617	25	Nylon	0.45	No	150	N/A-
036618	25	Nylon	5	No	150	N/A-
036571	25	PES	0.2	Yes	50	N/A-
036653	25	PES	0.45	Yes	50	N/A-
036624	25	PP	0.2	No	150	N/A-
036625	25	PP	0.45	No	150	N/A-
036622	25	PES	0.2	No	150	N/A-
036623	25	PES	0.45	No	150	N/A-
036587	25	PTFE	0.2	No	150	N/A-
036588	25	PTFE	0.45	No	150	N/A-
036619	25	PVDF	0.2	No	150	N/A-
036582	25	PVDF	0.2	Yes	50	N/A-
036621	25	PVDF	0.45	No	150	N/A-
036915	25	RC	0.2	No	150	N/A-
036967	25	RC	0.45	No	150	N/A-

Anotop™ Whatman™ syringe filters



Specific applications
Cell culture

- ▶ Mycoplasma removal (0.1 µm)
- ▶ Cold sterilisation of culture media
- ▶ Phage and virus filtration
- ▶ Removal of high molecular weight proteins or polymers
- ▶ Extrusion of liposomes

Filters incorporating the exclusive "Anopore™" membrane.

- ▶ Non-deformable pore structure
- ▶ Low protein adsorption rate
- ▶ Excellent compatibility with cell growth
- ▶ Very low cut-off point: 0.02 µm – 0.1 µm – 0.2 µm
- ▶ Compatible with aqueous and organic solvents

Anotop™ Whatman

Cat. No.	Diam. (mm)	Membrane	Filtration threshold (µm)	Sterile	Units/box	Price/box
036176	10	Anopore	0.1	Yes	50	N/A-
036177	10	Anopore	0.2	Yes	50	N/A-
036814	25	Anopore	0.02	Yes	50	N/A-
036181	25	Anopore	0.1	Yes	50	N/A-
036182	25	Anopore	0.2	Yes	50	N/A-
036410	25	Anopore	0.02	No	50	N/A-
036178	25	Anopore	0.1	No	50	N/A-
036179	25	Anopore	0.2	No	50	N/A-

Anotop™ Plus Whatman with Glass fibre pre-filter

Cat. No.	Diam. (mm)	Membrane	Filtration threshold (µm)	Sterile	Units/box	Price/box
036788	10	Anopore	0.1	Yes	50	N/A-
037168	10	Anopore	0.2	Yes	50	N/A-
036789	25	Anopore	0.1	Yes	50	N/A-
037169	25	Anopore	0.2	Yes	50	N/A-

Puradisc Whatman™ Syringe filters

Puradisc syringe filters are designed to quickly and efficiently filter samples up to a volume of 100 ml.

- luer lock (FLL) inlet , luer (ML) outlet
- Polypropylene body for syringe filter Ø 4, 13, 25 mm
- Polycarbonate body for syringe filter Ø 30 mm
- For volumes up to 2ml (Ø 4mm) or 10ml (Ø 13mm) or 100ml (Ø 25 and 30mm)



Membrane material: AC = cellulose acetate, PP = polypropylene, PSU = polysulfone, PES = polyethersulfone, GF/A, GF/C, GMF = glass microfibre, PVDF = polyvinylidene fluoride, PTFE = polytetrafluoroethylene, Rc = regenerated cellulose, NC = cellulose nitrate, H-PTFE = hydrophilic polytetrafluoroethylene

- **AC:** aqueous or some organic samples
- **GMF:** aqueous or organic samples
- **NYL:** aqueous or organic samples, HPLC samples, hydrophilic
- **PP:** aqueous or organic samples, low protein absorption
- **PES:** aqueous samples, biological samples (serum, plasma), good chemical resistance, high temperature resistance, low protein absorption
- **PTFE:** organic samples, hydrophobic
- **H-PTFE:** organic solvents, aqueous samples, HPLC/uHPLC, low protein absorption, hydrophilic
- **PVDF:** aqueous or organic samples, HPLC samples, low protein absorption, hydrophilic

Puradisc non-sterile syringe filters

➤ Applications

➤ HPLC samples

Membrane	Ø neck (mm)	Filtration threshold (µm)	Units/box	Cat. No.	Price/box	
Nylon	25	0.2	50	6750-2502	N/A -	
			200	036636	N/A -	
			1000	036638	N/A -	
		0.45	50	037274	N/A -	
			200	036637	N/A -	
			500	6752-2504	N/A -	
	1	1000	036639	N/A -		
		50	6750-2510	N/A -		
		200	037326	N/A -		
	PES	25	0.2	1000	6753-2510	N/A -
				200	036646	N/A -
				1000	036648	N/A -
0.45			200	036647	N/A -	
			1000	036649	N/A -	
			200	6781-2510	N/A -	
1	1000	6794-2510	N/A -			
	PVDF	25	0.2	50	6746-2502	N/A -
				200	6747-2502	N/A -
0.45		50	6746-2504	N/A -		
		200	036641	N/A -		
PP	25	0.2	1000	036642	N/A -	
			50	037109	N/A -	
			200	037225	N/A -	
		0.45	1000	037121	N/A -	
			100	034957	N/A -	
			500	037308	N/A -	
CA	30	0.2	500	10462206**	N/A -	

** FLL/MLL

Membrane	Ø neck (mm)	Filtration threshold (µm)	Units/box	Cat. No.	Price/box	
PTFE	25	0.1	50	037222	N/A -	
			1000	6798-2501	N/A -	
			50	036975	N/A -	
		0.2	200	036643	N/A -	
			1000	036644	N/A -	
			50	037106	N/A -	
	0.45	200	037242	N/A -		
		1000	036645	N/A -		
		50	037200	N/A -		
	1	1000	6798-2510	N/A -		
		H-PTFE	13	100	6772-1302	N/A -
				500	6773-1302	N/A -
2000	6774-1302			N/A -		
0.45	100		6772-1304	N/A -		
	500		6773-1304	N/A -		
	2000		6774-1304	N/A -		
0.2	50	6772-2502	N/A -			
	25	0.2	200	6773-2502	N/A -	
			1000	6774-2502	N/A -	
50			6772-2504	N/A -		
0.45		200	6773-2504	N/A -		
		1000	6774-2504	N/A -		
		AC	30	0.2	50	036651
100	10462710				N/A -	
500	10462700				N/A -	
0.45	50			036652	N/A -	
	100			10462610	N/A -	
	500			037241	N/A -	
0.8	50	10462241	N/A -			
	500	037101	N/A -			
	50	036845	N/A -			
500	10462263	N/A -				

Puradisc sterile syringe filters

Sterilisation by gamma irradiation.

➤ Applications

- Cell culture media
- Preparation of biological samples
- Sterile isolation, sterilisation of culture media and additives

Membrane	Ø neck (mm)	Filtration threshold (µm)	Cat. No.	Units/box	Price/box
Nylon	4	0.2	6786-0402	50	N/A -
PVDF	4	0.2	036791	50	N/A -
		0.2	036792	50	N/A -
PES	13	0.45	036793	50	N/A -
		0.2	036659	50	N/A -
	25	0.45	036661	50	N/A -
		1	6780-2510	50	N/A -
PVDF	13	0.2	037205	50	N/A -
		0.45	6791-1304	50	N/A -
AC	30	0.45	036658*	50	N/A -
		0.2	036657*	50	N/A -
		0.2	037197**	50	N/A -
		0.8	036957	50	N/A -
		1.2	10462260	50	N/A -
NC	30	5	036927	50	N/A -
PTFE	30	0.2	034964	50	N/A -

* Ethylene oxide sterilisation and polycarbonate filter housing / ** FLL/MLL

Polydisc TF and VACU-GUARD Whatman™ vacuum pump protection filters



Polydisc TF 0.45 µm and VACU-GUARD 0.2 µm

- For the protection of vacuum pumps
- Virgin polypropylene filter body, PTFE membrane

Cat. No.	Description	Units/box	Price/box
036454	Polydisc Filter TF ø 50 mm 0.45 µm	10	N/A -
036568	VACU-GUARD Filter ø 50 mm 0.2 µm	10	N/A -
036862	VACU-GUARD Filter ø 60 mm 0.2 µm	10	N/A -

VACU-GUARD 150 capsules



For the protection of vacuum or pressurized systems to reduce the risk of exposure to hazardous vapours. 0.2 µm PTFE membrane providing > 99.99 % retention of airborne particles greater than or equal to 0.1 µm in size.

Media available:

- (1) **activated carbon:** adsorption of odours carried by gases and vapours;
- (2) **desiccant:** anhydrous calcium sulphate media impregnated with calcium chloride;
- (3) **Molecular sieve:** silica aluminate zeolite media for organic and alkaline vapours.

Model	VACU-GUARD 150 Activated Carbon	VACU-GUARD 150 Desiccant	VACU-GUARD 150 Molecular sorting
Chemistry	Activated Carbon (1)	Calcium Anhydrous (2)	Alumino Silicate Zeolite (3)
Media	PTFE	PTFE	PTFE
Area or weight	82 000 m ²	318 g	363 g
Specific flow rate (SLPM)			
At 0.1 bar	210	280	250
At 0.5 bar	450	600	570
Maximum operating pressure			
Dry gas	4 bar	4 bar	4 bar
Wet gas	1 bar	1 bar	1 bar
Cat. No.	036455	036456	036457
Price	N/A -	N/A -	N/A -

Carbon Cap capsules



Capsule filled with acid-washed granular activated carbon and a pleated HEPA filter that removes 99.97% of particles larger than 0.3 µm.

- Large surface area of activated carbon
- 2 sizes (Carbon Cap) depending on your application
- Designed for in-line use with its grooved connections (hose connectors)

Cat. No.	Description	Price
036458	Carbon Cap 75 (40 g activated carbon)	N/A -



Nalgene™ syringe filters



- Polypropylene body
- Membranes in PES, nylon, AC for hydrophilic solutions, and PTFE for hydrophobic solutions
- For volumes from 2 to 10 ml (Ø 13 mm) or 10 to 50 ml (Ø 25 mm)
- Coloured filter body for each material
- Membrane and porosity printed on the side of the filter
- Lot number and expiry date on each sterile package

Pre-filters

Cat. No.	Description	Units/box	Price/box
029292B	Glass fibre pre-filter 1.1 µm / Ø 25 mm	50	N/A -
028928B	Glass fibre pre-filter 1.1 µm + AC 0.2 µm / Ø 25 mm, sterile	50	N/A -

Colours	Filter Ø (mm)	Porosity (µm)	Sterile	Units/box	New range		Older range	
					Cat. No.	Price/box	Cat. No.	Price/box
Syringe filter with cellulose acetate (CA) membrane								
-	4	0.2	No	100	-	-	028915	N/A -
-	4	0.45	No	100	-	-	028916	N/A -
Red	25	0.8	Yes	50	028922B	N/A -	-	-
Red	25	0.8	No	100	128022	N/A -	-	-
Syringe filter with nylon membrane								
-	4	0.2	No	100	-	-	028917	N/A -
-	4	0.45	No	100	-	-	028918	N/A -
Pink	25	0.2	Yes	50	028931B	N/A -	-	-
Pink	25	0.2	No	100	128023	N/A -	-	-
Pink	25	0.45	Yes	50	028932B	N/A -	-	-
Pink	25	0.45	No	100	128024	N/A -	-	-
Syringe filter with PTFE membrane								
White	13	0.2	No	100	029183B	N/A -	-	-
White	13	0.45	No	100	029184B	N/A -	-	-
White	25	0.2	No	100	128026	N/A -	-	-
White	25	0.45	No	100	128027	N/A -	-	-
Syringe filter with PES membrane								
Green	13	0.2	Yes	100	128025	N/A -	-	-
Green	25	0.2	Yes	50	028929B	N/A -	-	-
Green	25	0.45	Yes	50	028930B	N/A -	-	-
Syringe filter with SFCA membrane								
Blue	25	0.2	Yes	125	028923B	N/A -	-	-
Blue	25	0.2	Yes	50	028920B	N/A -	-	-
Blue	25	0.2	No	100	128028	N/A -	-	-
Blue	25	0.45	Yes	125	028924B	N/A -	-	-
Blue	25	0.45	Yes	50	028921B	N/A -	-	-
Blue	25	0.45	No	100	128029	N/A -	-	-

PTFE in-line filters

For air and gas filtration (benchtop fermenter, CO₂ incubator, pump protection, sterile air filtration).
For filtration of aggressive chemical solutions, including non-aqueous acids and solvents.

- Diameter: 50 mm
- Polypropylene body
- PTFE membrane
- Filtration volume: 0.2 to 5 l
- Inlet/outlet: nozzle for 6 to 9 mm hoses
- Non-sterile
- Autoclavable

Cat. No.	Porosity (µm)	Ø (mm)	Units/box	Price/box
029114	0.2	50	10	N/A -
029115	0.45	50	10	N/A -



Riplate® filtration Plates

- For purification and filtration of samples with a volume of 1 ml or less
- SBS format
- For manual or automatic use
- Compatible with the 2 ml Riplate which will be used as a collection plate
- Alphanumeric marking

Cat. No.	Description	Units/box	Price/box
071418	Filtration plate	28	N/A -

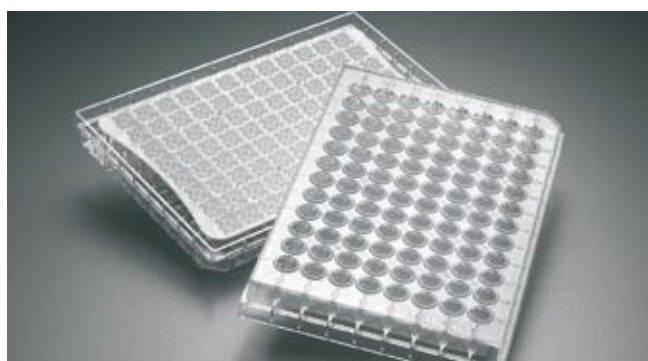


Multiscreen HTS Merck Millipore filtration plates

- **Multiscreen HTS**
- Rigid edges: better grip on the plate
- Recessed drain: the underside of the wells is not in contact with the surface of the bench
- Compliant with ANSI/SBS standards

➤ Applications

- Genomic DNA analysis
- Cell culture and proliferation
- Study of protein/receptor interactions
- Enzymological studies/ enzyme immunoassay
- Tests with fluorescence and radioactivity: allow direct counting
- Immunoassays
- ELISPOT / ELISA
- Cell harvesting



96 and 384 well formats. Recommended for Elispot technique, whole organism visualisation and radioisotope detection, feature a removable drain for easy access to the membrane.

- Membrane area/well: 0.26 cm²
- Volume/well: 50 - 250 µl recommended (300 µl max.)
- L x W x H: 127.8 x 85.5 x 14.4 mm
- Conditions of use: Recommended vacuum: 305 mbar or 9" Hg (max. 610 mbar or 18" Hg)

Merck Millipore HTS Multiscreen 384-well Plates

MultiscreenHTS 384-well plates are ideal for bioassays and allow radiometric counting directly in the plate.

Pore size (µm)	Membrane	Plastic		No-sterile 10 units	No-sterile 50 units	Typical applications
0.45	Durapore HV (Hydrophilic PVDF)	Opaque	Cat. No. Merck Millipore	MZHVNoW10	MZHVNoW50	Receptor binding studies, protein kinase/phosphatase precipitation assays, resin/bead-based assays
			Cat. No.	051869	051870	
			Price	N/A -	N/A -	
1	Glass fibre FB	Opaque	Cat. No. Merck Millipore	MZFBNoW10	MZFBNoW50	Receptor/ligand binding studies, sample preparation, enzymatic assays with precipitation, DNA purification
			Cat. No.	051871	051872	
			Price	N/A -	N/A -	
1.2	Glass fibre FC	Opaque	Cat. No. Merck Millipore	MZFCNoW10	MZFCNoW50	Receptor/ligand binding studies, sample preparation, TCA precipitation
			Cat. No.	051873	051874	
			Price	N/A -	N/A -	
0.65	Phosphocellulose negatively loaded	Opaque	Cat. No. Merck Millipore	-	MZPHNoW50	Protein kinase assays with peptide substrates, enzyme assays, positive charge determinations
			Cat. No.	-	051876	
			Price	-	N/A -	

Merck Millipore Multiscreen HTS 96-well Plates

Pore size (µm)	Membrane	Plastic		No-sterile 10 units	No-sterile 50 units	Sterile 10 units	Typical applications
0.22	Durapore GV (Hydrophilic PVDF)	Transparent	Cat. No. Merck Millipore	MSGVN2210	MSGVN2250	MSGVS2210	Receptor binding studies. Protein kinase/phosphatase precipitation tests.
			Cat. No.	051595	051596	051597	
			Price	N/A -	N/A -	N/A -	
0.22	Durapore GV (Hydrophilic PVDF)	Opaque	Cat. No. Merck Millipore	-	MSGVN2B50	-	
			Cat. No.	-	051594	-	
			Price	-	N/A -	-	
0.45	Durapore HV (Hydrophilic PVDF)	Transparent	Cat. No. Merck Millipore	MSHVN4510	MSHVN4550	MSHVS4510	Receptor binding studies using whole cells and cell fragments. Protein kinase/phosphatase precipitation tests. Cell culture and proliferation (sterile).
			Cat. No.	051599	051454	051633	
			Price	N/A -	N/A -	N/A -	
0.65	Durapore DV (Hydrophilic PVDF)	Transparent	Cat. No. Merck Millipore	MSDVN6510	MSDVN6550	-	Receptor binding studies using whole cells and cell fragments. Protein kinase/phosphatase precipitation tests. Resin/bead based tests.
			Cat. No.	051440	051441	-	
			Price	N/A -	N/A -	-	
1.2	Durapore BV (Hydrophilic PVDF)	Transparent	Cat. No. Merck Millipore	-	MSBVN1250	MSBVS1210	Compound generation, resin/bead testing, sample preparation. Culture/proliferation of suspension cells and yeast (sterile).
			Cat. No.	-	051602	051451	
			Price	-	N/A -	N/A -	
1 + 0.65	Glass fibre FB on PVDF	Opaque	Cat. No. Merck Millipore	MSFBN6B10	MSFBN6B50	-	Receptor/ligand binding studies. Enzyme assays with TCA precipitation. DNA purification (FB).
			Cat. No.	051442	051443	-	
			Price	N/A -	N/A -	-	
0.45	Immobilon-P (Hydrophilic PVDF)	Transparent	Cat. No. Merck Millipore	MSIPN4510	MSIPN4550	MSIPS4510	Studies of protein interactions, avidin/biotin binding, DNA-bound proteins. ELISPOT.
			Cat. No.	051610	051609	051611	
			Price	N/A -	N/A -	N/A -	
0.45	Ester Cellulose	Transparent	Cat. No. Merck Millipore	MSHAN4510	MSHAN4550	MSHAS4510	Solid phase RIA. DNA hybridization. ELISPOT, ELISA.
			Cat. No.	051618	051619	051620	
			Price	N/A -	N/A -	N/A -	
0.45	Ester Cellulose	Opaque	Cat. No. Merck Millipore	-	-	MSHAS4B10	
			Cat. No.	-	-	051617	
			Price	-	-	N/A -	

Multiscreen Classic plate range (non-HTS format)

Pore size (µm)	Membrane	Plastic		No-sterile 10 units	No-sterile 50 units	Sterile 10 units	Typical applications
0.45	Durapore (Hydrophilic PVDF)	Transparent	Cat. No. Merck Millipore	-	-	MAIPS4510	ELISPOT tests.
			Cat. No.	-	-	051140	
			Price	-	-	N/A -	
0.45	Durapore (Hydrophilic PVDF)	White	Cat. No. Merck Millipore	-	-	MAIPSWU10	
			Cat. No.	-	-	051438	
			Price	-	-	N/A -	
0.45	Durapore (Hydrophilic PVDF)	Transparent	Cat. No. Merck Millipore	MAHVN4510	MAHVN4550	-	Approved for clinical diagnosis, protein kinase/phosphatase assays, sample preparation, removal of Dye Terminators.
			Cat. No.	051004	051005	-	
			Price	N/A -	N/A -	-	
0.45	Ester Cellulose	Transparent	Cat. No. Merck Millipore	-	-	MAHAS4510	Cell culture and ELISPOT.
			Cat. No.	-	-	051138	
			Price	-	-	N/A -	

Accessories

Cat. No.	Description	Units/box	Price/box
051289	Column charger, 45 µl	1	N/A -
051893	Column charger, 80 µl	1	N/A -
044230	Spare scraper for column loader	3	N/A -
051895	Support Frame for MultiScreen HTS	10	N/A -

Cat. No.	Description	Units/box	Price/box
051896	Deepwell recovery plate, PP, 96 wells	50	N/A -
051897	Deepwell V-Bottom recovery Plate, PP, 96 wells	100	N/A -
655101	Recovery plate, PS, 96 wells	100	N/A -
051899	Recovery plate for UV analysis, 96 wells	40	N/A -

Manifold Multiscreen HTS



Vacuum filtration system for Multiscreen HTS 96-well plates. Includes: base, frame for 96-well plates (standard size with seals), support grid, tubing, ON/OFF valve, vacuum control valve, pressure gauge.

- To be used with Multiscreen
- Compatible with a wide range of solvents, equipped with resistant seals
- Can be used with 96-well recovery plates in standard or Deepwell format
- Spare part available on request

Accessories

Cat. No.	Description	Price
051634	Frame for Deepwell plates	N/A -
051283	Silicone vacuum hose (length 1. m)	N/A -
051158	Vacuum/pressure pump, 220 volts	N/A -

Cat. No.	Description	Price
051621	Multiscreen HTS Manifold	N/A -

Corning® filtration units

- Neck diameter: 45 mm
- Low binding
- Pre-filters sold separately
- Sterile, individual packaging
- Non-pyrogenic
- Sterile cap in individual packaging

Cat. No.	Volume (ml)	Dimensions of the square membrane (mm)	Membrane	Threshold limit (µm)	Units/box	Price/box
431153	150	42 x 42	Polyethersulfone	0.22	12	N/A -
431154	150	42 x 42	Cellulose acetate	0.22	12	N/A -
431155	150	42 x 42	Cellulose acetate	0.45	12	N/A -
430756	250	49.5 x 49.5	Nitrate cellulose	0.22	12	N/A -
430767	250	49.5 x 49.5	Cellulose acetate	0.22	12	N/A -
430768	250	49.5 x 49.5	Cellulose acetate	0.45	12	N/A -
430771	250	49.5 x 49.5	Nylon	0.2	12	N/A -
431096	250	49.5 x 49.5	Polyethersulfone	0.22	12	N/A -
430758	500	63 x 63	Nitrate cellulose	0.22	12	N/A -
430769	500	63 x 63	Cellulose acetate	0.22	12	N/A -
430770	500	63 x 63	Cellulose acetate	0.45	12	N/A -
430773	500	63 x 63	Nylon	0.2	12	N/A -
431097	500	63 x 63	Polyethersulfone	0.22	12	N/A -
00431475	500	63 x 63	PES, S, IND	0.1	12	N/A -
430186	1000	79 x 79	-	0.22	12	N/A -
430515	1000	79 x 79	Nylon	0.2	12	N/A -
430516	1000	79 x 79	Cellulose acetate	0.45	12	N/A -
430517	1000	79 x 79	Cellulose acetate	0.22	12	N/A -
00431474	1000	79 x 79	PES, S, IND	0.1	12	N/A -
431098	1000	79 x 79	Polyethersulfone	0.22	12	N/A -



Corning® Filtration Funnels

Cat. No.	Volume (ml)	Ø neck (mm)	Membrane	Threshold limit (µm)	Units/box	Price/box
430624	150	33	Cellulose acetate	0.22	48	N/A -
430625	150	33	Cellulose acetate	0.45	48	N/A -
430626	150	45	Cellulose acetate	0.22	48	N/A -
430627	150	45	Cellulose acetate	0.45	48	N/A -
431160	150	33	Polyethersulfone	0.22	48	N/A -
431161	150	45	Polyethersulfone	0.22	48	N/A -
430049	500	45	Nylon	0.2	12	N/A -
430512	500	33	Cellulose acetate	0.45	12	N/A -
430513	500	45	Cellulose acetate	0.22	12	N/A -
430514	500	45	Cellulose acetate	0.45	12	N/A -
430521	500	33	Cellulose acetate	0.22	12	N/A -
431117	500	33	Polyethersulfone	0.22	12	N/A -
431118	500	45	Polyethersulfone	0.22	12	N/A -
430015	1000	45	Cellulose acetate	0.22	12	N/A -
431174	1000	45	Polyethersulfone	0.22	12	N/A -



FILTRATION

Glass fibre pre-filters

Cat. No.	Dimensions (mm)	Volume (ml)	Units/box	Price/box
00431410	42 x 42	150	100	N/A -
00431411	49.5 x 49.5	250	100	N/A -
00431412	63 x 63	500	100	N/A -
00431413	79 x 79	1000	100	N/A -

Corning® storage bottles

- In polystyrene
- Low profile bottles with easy grip
- Cap Ø 45 mm with seal for tight closure
- Suitable for use with Ø 45 mm filter funnels
- Sterile



Cat. No.	Volume (ml)	Units/bag/	Bags/box	Price/box
431175	150	2	12	N/A -
430281	250	2	12	N/A -
430282	500	2	12	N/A -
430518	1000	2	12	N/A -



Sartolab RF and BT complete filter units



Ready to filter, quick and easy

- Ready-to-use sterile filter units, individually packaged, comfortable to hold thanks to their design
- Only require connection to a vacuum source

Applications

Sterilising filtration of cell culture media, buffers, additives and other aqueous solutions of biological origin or use.

PES membrane for cell culture

- Asymmetric PES membranes with very high flow rates and high filtration efficiency
- Very low specific protein adsorption
- Ideal tool for culture media or protein containing samples (retention < 10 µg/cm² IgG)
- Surfactant-free
- Lowest level of extractables
- Water flow rate > 30 ml/cm².min.bar at 20 °C

Safety and quality

- Guaranteed to be cytotoxic-free
- Certified on USP class VI and ISO 10993 tests

		Filtration units Sartolab RF *			Filtration units Sartolab BT **		
Capacity (ml)	Filter size (cm)	Units/box	Cat. No.	Price/box	Units/box	Cat. No.	Price/box
150	4.25 X 4.25	12	845212	N/A -	48	845216	N/A -
250	4.9 X 4.9	12	845213	N/A -	-	-	-
500	7.95 X 7.95	12	845214	N/A -	12	845217	N/A -
1000	8.9 X 8.9	12	845215	N/A -	12	845219	N/A -
1000	8.9 X 8.9	12	845221***	N/A -	-	-	-

* Complete sterile vacuum filtration units, single use, with reservoir and receiver bottle.

** Sterile, single-use vacuum filtration units with reservoir only ("Bottle Top")

*** 0.1 µm

Capacity	150 ml, 250 ml, 500 ml, 1000 ml (same volume between tank and receiving bottle)
Membrane	PES: Poly Ether Sulfone sterilising filtration threshold of 0.22 µm
Filter body and lid	Crystal clear polystyrene
Vacuum connection	by removable olive fitting
Cytotoxicity	Materials comply with USP class VI and ISO 10993 tests, certificates available
Screw neck	45 mm (for the Sartolab BT)
Sterilization	Gamma ray irradiation

Filtermaxx TPP complete filter units



➤ Square membrane with 20% more filtration area: 49 cm²

➤ PES membrane 0.22 µm

➤ Volumes available: 150, 250, 500 and 1000 ml

➤ Excellent stability

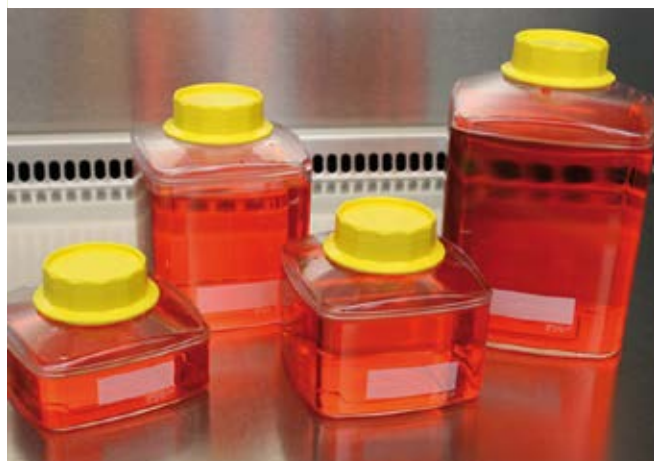
➤ Supplied with screw cap and connection in a separate bag

➤ The bottles used with their screw cap are used as storage bottles

Cat. No.	Description	Vol. (ml)	Area* (cm ²)	Dimensions (mm)	Units/box	Price/box
199150B	Complete filtration unit	150	49	93 x 93 x 103	18	N/A -
199155B	Top filter	150	49	89 x 89 x 57	36	N/A -
191060	Complete filtration unit	250	49	93 x 93 x 143	12	N/A -
191061	Top filter	250	49	89 x 89 x 75	24	N/A -
191062B	Complete filtration unit	500	49	93 x 93 x 213	10	N/A -
191063B	Top filter	500	49	89 x 89 x 111	21	N/A -
199950B	Complete filtration unit	1000	69	111 x 111 x 285	9	N/A -
199955	Top filter	1000	69	108 x 108 x 143	12	N/A -

* Filtration area

TPP receptacle bottles



➤ 4 volumes available: 150, 250, 500 and 1000 ml

➤ Cap with GL-45 neck, many combinations possible

➤ Storage flasks

➤ Small volumes are suitable for refrigerators

Cat. No.	Description	Units/box	Price/box
199157	Sterile Receptacle bottles 150 ml	24	N/A -
199257	Sterile Receptacle bottles 250 ml	24	N/A -
199507	Sterile Receptacle bottles 500 ml	36	N/A -
199957	Sterile Receptacle bottles 1000 ml	20	N/A -

Nalgene™ Filter Unit, 50 ml tube

- ▶ With Pall Supor® Mach V PES membrane
- ▶ For filtration of small volumes in cell culture, for filtration of sera or media
- ▶ "Rapid-flow" membrane: new manufacturing technology for faster and more efficient filtration
- ▶ Low protein binding rate
- ▶ Radiation sterilisation with SAL 10⁻⁶
- ▶ Supplied assembled with a sterile cap, and two tube holders in each box



Cat. No.	Description	Units/box	Price/box
029749	50 ml tube with PES filtration unit 0.2 µm	12	N/A -

Nalgene™ Complete Single Use Filter Unit

Different types of membranes:

- CA or SFCA: cellulose acetate without surfactant, colour code yellow;
- CN: cellulose nitrate, colour code green;
- Nylon, colour code red;
- PES: polyethersulfone, colour code blue;
- PES FASTER: Supor Mach V membrane with fast filtration, asymmetric, low protein binding.

Standard profile

Type	Membrane	Porosity (µm)	Ø (mm)	Volume 150 ml		Volume 250 ml	
				Cat. No.	Price 12 units	Cat. No.	Price 12 units
MF75	CN	0.2	50	028560	N/A -	028566	N/A -
MF75	CN	0.45	50	028561	N/A -	028567	N/A -
MF75	CN	0.8	50	028562	N/A -	028568	N/A -
MF75	SFCA	0.2	50	028030	N/A -	028005	N/A -
MF75	SFCA	0.45	50	028031	N/A -	028569	N/A -
MF75	Nylon	0.2	50	028563	N/A -	028670	N/A -
MF75	Nylon	0.45	50	028564	N/A -	028571	N/A -
MF75	PES	0.1	50	029921	N/A -	029922	N/A -
MF75	PES FASTER	0.2	50	029663	N/A -	029666	N/A -
MF75	PES	0.45	50	028037	N/A -	028573	N/A -

Type	Membrane	Porosity (µm)	Ø (mm)	Volume 500 ml		Volume 1000 ml	
				Cat. No.	Price 12 units	Cat. No.	Price 12 units
MF75 + prefilter	CN	0.2	75	028575	N/A -	028586	N/A -
MF75 + prefilter	CN	0.45	75	028576	N/A -	028587	N/A -
MF75 + prefilter	CN	0.8	75	028577	N/A -	028589	N/A -
MF75 + prefilter	SFCA	0.2	75	028006	N/A -	028590	N/A -
MF75 + prefilter	SFCA	0.45	75	028028	N/A -	028591	N/A -
MF75 + prefilter	Nylon	0.2	75	028578	N/A -	028592	N/A -
MF75 + prefilter	Nylon	0.45	75	028579	N/A -	028593	N/A -
MF75 serum	SFCA	0.2	90	028580	N/A -	028594	N/A -
MF75 serum	SFCA	0.45	90	028581	N/A -	028595	N/A -
MF75 Media-Plus	Nylon	0.2	90	028582	N/A -	028596	N/A -
MF75	PES	0.1	75	029923	N/A -	-	-
MF75	PES	0.2	75	029664	N/A -	-	-
MF75	PES	0.1	90	-	-	030084	N/A -
MF75	PES FASTER	0.2	90	029667	N/A -	029665	N/A -
MF75	PES	0.45	75	028418	N/A -	-	-
MF75	PES	0.45	90	028584	N/A -	028597	N/A -



- ▶ Membrane holder for improved membrane tensioning and therefore faster filtration rates
- ▶ Ergonomic shape (1-turn quick opening), curved for easy gripping, wide base for better stability
- ▶ Batch number, Cat. No., membrane type and pore size printed on 50 and 75 mm diameter units
- ▶ 75 mm membranes for PES filter units
- ▶ Certified sterile (sterility period of 5 years, if the product is in its integral packaging)
- ▶ Rapid-flow membrane: manufacturing technology that maximizes membrane performance and accelerates filtration rate and speed

Low profile

Membrane	Porosity (µm)	Ø (mm)	Units/bag/	Units/box	Volume 115 ml	
					Cat. No.	Price/box
CN	0.2	50	12	72	028552	N/A -
CN	0.45	50	12	72	028554	N/A -
SFCA	0.2	50	12	72	028556	N/A -
SFCA	0.45	50	12	72	028557	N/A -
PES FASTER	0.2	50	12	72	029662	N/A -
PES	0.45	50	12	72	028559	N/A -

Nalgene™ Singles use Top-Filters



Features PES FASTER

- ▶ PES FASTER membranes: Supor Mach V membrane
- ▶ Rapid-flow membrane: new manufacturing technology for faster and more efficient filtration
- ▶ Asymmetrical
- ▶ Low protein binding rate



Fits onto ISO, Pyrex or Schott glass bottles with a 33 or 45 mm neck. PES (0.45 µm) or PES FASTER (0.2 µm) membranes, and SFCA membranes.

Membrane	Volume (ml)	Porosity (µm)	ø (mm)	33 mm neck		45 mm neck	
				Cat. No.	Price 12 units	Cat. No.	Price 12 units
PES FASTER	150	0.2	50	029670	N/A -	029671	N/A -
PES	150	0.45	50	028599	N/A -	028609	N/A -
PES FASTER	500	0.2	75	029668	N/A -	029669	N/A -
PES	500	0.45	75	028601	N/A -	028611	N/A -
PES FASTER	1000	0.2	90	029672	N/A -	029673	N/A -
SFCA	150	0.2	50	028603	N/A -	028613	N/A -
SFCA	150	0.45	50	028604	N/A -	028614	N/A -
SFCA	500	0.2	75	028605	N/A -	028615	N/A -
SFCA	500	0.45	75	028606	N/A -	028616	N/A -
SFCA	1000	0.2	90	028607	N/A -	028617	N/A -

Receiving bottles for Nalgene™ filtration units



Polystyrene bottles with polyethylene screw cap for Nalgene™ filtration units.

▶ Sterile ▶ 45 mm neck

Cat. No.	Volume (ml)	Units/box	Price/box
029190	150	24	N/A -
029191	250	24	N/A -
029192	500	12	N/A -
029193	1000	12	N/A -

Nalgene™ Analytical Filtration units



Polypropylene filter unit with removable membrane and receiving flask or funnel.

- ▶ Cellulose nitrate membrane 0.45 µm or 0.2 µm
- ▶ The membrane is easily removed
- ▶ Volume: 150 ml
- ▶ Gamma sterilised, single use

Volume (ml)	150	150	150
Receiver	Flask	Flask	funnel
Membrane	NC	NC	NC
Porosity	0.2 µm	0.45 µm	0.45 µm
Colour	White	White with grid	White with grid
Units/bag	12	12	12
Units/box	72	72	72
Cat. No.	028032	029335	029336
Price the box	N/A -	N/A -	N/A -

Nalgene™ Analytical Filtration Funnels



Economical, graduated, with a membrane for filtration and microbiological analysis. The top polypropylene part of the funnel can be removed for immediate access to the membrane.

- ▶ Cellulose nitrate membrane, approved for water control
- ▶ Sterile, single use
- ▶ White or grey membrane (turning black when wet)

Cat. No.	Volume (ml)	Porosity (µm)	Membrane colours	Gridded	Units/box	Price/box
029378	100	0.2	White	Without	50	N/A -
028414	100	0.45	White	Grey	50	N/A -
028004	100	0.45	Grey	White	50	N/A -
029379	250	0.2	White	Without	50	N/A -
028415	250	0.45	White	Gray	50	N/A -

Accessories

Cat. No.	Description	Price
029380	Autoclavable polypropylene funnel rod only (25 units)	N/A -

Steritop filter units for flasks

To filter volumes of 150 ml to 1 l into flasks .

- For all flasks with a 33 or 45 mm neck
- Sterile, individual packaging
- Support: polystyrene
- Filtration area: 40 cm²
- Operating temperature: 45 °C maximum
- Express Plus 0.22 µm PES membrane

The storage flask (receptacle) must be ordered separately.



Pre-filter for difficult solutions

Cat. No.	Description	Pack unit.	Price
051259	Pre-filter for difficult solution	100 membranes	N/A -

Funnel volume (ml)	Pores size (µm)	Units/box	Neck ø (mm)	Steritop 33 mm	Steritop 45 mm	Empty sterile PS flasks 45 mm neck without filter
				Cat. No.	Cat. No.	
150	0.22	12	Cat. No.	-	051266B	-
			Price/box	-	N/A -	-
250	0.22	12	Cat. No.	-	051267B	-
			Price/box	-	N/A -	-
500	0.22	12	Cat. No.	051263	051268B/051806B*	051273B
			Price/box	N/A -	N/A - / N/A -	N/A -
1000	0.22	12	Cat. No.	-	051269B	051274B
			Price/box	-	N/A -	N/A -

* Durapore PVDF membrane.

Millicup Flex filter units

- Compatible with 47 mm diameter membranes
- Funnel volume 250 ml
- For GL-45 neck flasks (not included)
- Semi-reusable version: set of 10 funnels with 2 membrane holders and 2 hose connectors
- Single-use version: set of 10 funnels with 10 membrane holders and 10 hose connectors
- For filtration of aqueous and organic solutions
- Support: polypropylene
- Non-sterile

Cat.No.	Description	Price 10 units
236133	Millicup Flex semi-reusable filter unit	N/A -
236134	Millicup Flex single-use filter unit	N/A -



FILTRATION

Sterivex pressure filtration units

	Membrane	Express (PES) GP	Durapore (PVDF) GV	Durapore (PVDF) HV
Connection	Pores size (µm)	0.22	0.22	0.45
With mouthpiece LL female and filling bell	Cat. No.	051188	051191	051194
	Packaging unit	10	10	10
	Price 10 units	N/A -	N/A -	N/A -
With mouthpiece LL male	Cat. No.	051189	051192	051195
	Packaging unit	15	15	15
	Price 15 units	N/A -	N/A -	N/A -
With mouthpiece male notched	Cat. No.	051208	051206	051215
	Packaging unit	15	15	15
	Price 15 units	N/A -	N/A -	N/A -

For the sterilising filtration or clarification of aqueous solutions, for volumes up to 2 l.

- Filtration area: 10 cm²
- Dead volume < 200 µl after purging
- Pressure: 3 bars maximum
- Unit material: Eastar
- Gamma ray sterilisation
- Operate under pressure with a syringe, peristaltic pump or pressure vessel



Universal filter for Stericap PLUS flasks



For high-speed sterilisation of 5 to 10 litres by vacuum filtration.

- High throughput and efficiency, low protein adsorption
- Sterile, individual packaging
- Fits most flasks with a neck internal diameter between 20 and 67 mm
- Millipore Express Plus PES membrane, 0.22 µm
- Filtration area: 40 cm²
- Supplied with a weighted hose for immersion in the solution to be filtered

Cat. No.	Description	Price 10 units
051592	Stericap Plus Filter Unit 0.22 µm	N/A -

Steripak Filtration units



For sterilisation of 10 to 20 litres.

- Capsule filters supplied sterile, ready to use
- Composed of a stack of 0.22 µm PES Express Plus membranes with low protein adsorption
- For connection to a peristaltic pump for rapid filtration of up to 20 litres of culture media solutions

Cat. No.	Description	Filtration area	Pack unit.	Price
051456	Steripak Filter Units 10	100 cm ²	3	N/A -
051460	Steripak Filter Units 20	200 cm ²	3	N/A -

Steriflip Filtration units



For vacuum filtration of volumes below 50 ml.

- Consisting of a double threaded connection with a membrane, a vacuum outlet and a 50 ml tube
- Gamma sterile, individually wrapped, single use
- With cap
- Principle: simply attach the Steriflip to the 50 ml tube, turn the assembly upside down and apply the vacuum
- Eliminates filtrate transfer and avoids the risk of contamination

Device	MBS / polypropylene
Inlet fittings	Double pitch thread with vacuum connection
Outlet fittings	Double pitch thread for centric tube. 50 ml
Filtration area	7 cm ²
Volume processed / dead	50 ml / 600 µl
Max. operating temperature	45 °C

Cat. No.	Description	Membrane	Units/ box	Price/ box
051185	Steriflip-GP	PES 0.2 µm	25	N/A -
051637	Steriflip-GV	PVDF 0.2 µm	25	N/A -
051703	Steriflip-HV	PVDF 0.45 µm	25	N/A -
051805	Steriflip-NY	Nylon 20 µm	25	N/A -
051789	Steriflip-NY	Nylon 40 µm	25	N/A -
051790	Steriflip-NY	Nylon 60 µm	25	N/A -
051791	Steriflip-NY	Nylon 100 µm	25	N/A -

Accessory

Cat. No.	Description	Units/ box	Price/ box
051187	Funnel 50 ml for Steriflip	25	N/A -

Stericup® Complete filter units

Membrane Express Plus: high flow and low adsorption membrane.

Vacuum filter units for volumes from 150 ml to 1 l.

- > Sterile, individual packaging
- > Support: polystyrene
- > Filtration area: 40 cm²
- > Operating temperature: 45 °C maximum
- > Single use
- > **Membranes**
- > PES (GP): Express Plus fast flow membrane
- > Durapore (GV): low protein adsorption membrane



Volume receptacle (ml)	Volume funnel (ml)		Stericup VP	Stericup GP	Stericup GV	Stericup HV
		Membrane	Express Plus Membrane (PES) 0.1 µm	Express Plus Membrane (PES) 0.22 µm	Durapore Membrane (PVDF) 0.22 µm	Durapore Membrane (PVDF) 0.45 µm
150	150	Cat. No.	-	051244B	051249B	051284B
		Price/box of 12	-	N/A -	N/A -	N/A -
250	250	Cat. No.	051243	051245B	051250B	051285B
		Price/box of 12	N/A -	N/A -	N/A -	N/A -
500	500	Cat. No.	-	051246B	051251B	051286B
		Price/box of 12	-	N/A -	N/A -	N/A -
1000	500	Cat. No.	051955B	051247B	051252B	-
		Price/box of 12	N/A -	N/A -	N/A -	-
1100	1000	Cat. No.	-	051248B	051253B	051288B
		Price/box of 12	-	N/A -	N/A -	N/A -

Pre-filter for difficult solutions

Cat. No.	Description	Units/box	Price/box
051259	Pre-filter for difficult solution	100 membranes	N/A -

Stericup E and Steritop E complete filter units

- > **Membrane Express plus: high flow and low adsorption membrane**
- > Sterile, individual packaging
- > Membrane: 0.22 µm, PES
- > Support: polystyrene
- > Filtration area: 40 cm²
- > Operating temperature: 50 °C
- > Single use
- > Direct attachment to 38 or 45 mm neck bottles, elimination of funnel reduces waste
- > Stericup: filter unit and storage bottle
- > Steritop: filter unit, 45 mm neck storage bottle to be ordered separately

Model	Receptacle volume (ml)	Thread (mm)	Cat. No.	Price
Stericup	500	38	236055	N/A -
		45	236056	N/A -
	1000	38	236057	N/A -
		45	236058	N/A -
Steritop	2000	38	236059	N/A -
		45	236060	N/A -

Accessories

CatNo.	Description	Price 12 units
051273B	Empty sterile PS bottle with 45 mm neck without filter 500 ml	N/A -
051274B	Empty sterile PS bottle with 45 mm neck without filter 1000 ml	N/A -



FILTRATION

Complete sterile filter units



Filter units and bottle-tops for vacuum filtration. Ideal for sample separation and purification. Wide choice of membranes: 0.22 or 0.45 µm porosity, in mixed cellulose esters (MCE), nylon, PVDF and PES.

- Graduated
- Radiation sterilised, peelable unit pack
- Polystyrene funnel, bottle and filter holder made of virgin polypropylene



Complete Filter Units

Volume	150 ml			250 ml			500 ml			1000 ml			
	Porosity (µm)	0.2	0.45	Price 12 units	0.2	0.45	Price 12 units	0.2	0.45	Price 12 units	0.2	0.45	Price 12 units
Membrane													
PES	141303	141305	N/A -	141234	141238	N/A -	141242	141246	N/A -	141304	141306	N/A -	
MCE	-	-	-	141232	141236	N/A -	-	-	-	-	-	-	-
PVDF	-	-	-	141235	141239	N/A -	141243	141247	N/A -	141307	141308	N/A -	-
Nylon	-	-	-	141233	141237	N/A -	141241	141245	N/A -	-	-	-	-

Bottle-top - Fits onto an ISO flask with 45 mm neck

Volume	250 ml		500 ml	
	Porosity (µm)	Price 24 units	0.2	Price 24 units
Membrane				
PES	141309	N/A -	141310	N/A -

Polycap Whatman™ Filter capsules



For filtering from 1 to 20 litres

- Large surface area devices for applications involving large volumes of solution
- Large surface area capsule filters recommended for filtering volumes from 1 to 20 l
- Grooved ends for tubes with an internal diameter of 6 to 10 mm
- Sterile
- 2 types of membranes:
 - TC "Tissue Culture": PES membrane
 - AS: Nylon membrane, high protein affinity, reserved for aqueous solutions

➤ Applications

- Aqueous pharmaceutical solutions
- Culture media
- Reagent preparation
- Viral suspensions
- Particle Counting Solutions
- Cleaning or rinsing solutions

Polycap™ SPF Serum PreFilter: optimised for pre-filtration operations. Typically used upstream of Polycap AS (Nylon) or TC (PES) capsules, for the filtration of biological media.

- Gradient of glass fibre pre-filters and a final 1 µm PES membrane
- Available in 2 sizes
- Grooved connectors for standard tubes with an internal diameter of 6-10 mm

➤ Applications

- Pre-filtration of serum
- Tissue culture
- Immunoassays
- Standard checks / diagnostics

* Barbed fitting: Step barb end for tubing with an internal diameter of 6 to 10 mm;
1/2" step barb: Step barb end for tubing with an internal diameter of 10 to 12 mm.

Membrane	Filtration threshold (µm)	Filtration area (cm ²)	Connection* input	Connection* output	Flow rate litres/min to 1 bar (14.5 psi)	Event	Sterile	Units/box	Cat. No.	Price/box
Polycap 36 SPF										
Gradient fibreglass glass/PES	1	260	1/2" Barbed	1/2" Barbed	4	Yes	Yes	1	036519	N/A -
Polycap 75 SPF										
Gradient fibreglass glass/PES	1	535	1/2" barbed	1/2" barbed	13	Yes	Yes	1	036520	N/A -

Polycap filter capsules (continued)

Polycap Tissue Culture: for safe and efficient filtration of biological solutions and tissue culture media

- A two-layer PES membrane, naturally hydrophilic, with low levels of extractables and high specific flow rates
- Low protein adsorption rate
- Pre-sterilised with gamma rays
- Protected capsule outlet
- Models also available with NPT threaded connections

Membrane	Filtration threshold (µm)	Filtration area (cm ²)	Connection* input	Connection* output	Flow rate litres/min to 1 bar (14.5 psi)	Event	Sterile	Units/box	Cat. No.	Price/box
Polycap 36 TC										
PES	0.2 / 0.1	550	Step barb	Step barb	3.5	Yes	Yes	1	036498	N/A -
PES	0.2 / 0.2	550	Step barb	Step barb	5.3	Yes	Yes	1	036499	N/A -
PES	0.65 / 0.45	550	Step barb	Step barb	9	Yes	Yes	1	036500	N/A -
Polycap 36 TC with bell										
PES	0.2 / 0.1	550	Step barb	Step barb	3.5	Yes	Yes	1	036502	N/A -
PES	0.2 / 0.2	550	Step barb	Step barb	5.3	Yes	Yes	1	036503	N/A -
PES	0.8 / 0.2	380	Step barb	Step barb	7.6	Yes	Yes	1	036210	N/A -
PES	0.2 / 0.2	550	MNPT	Step barb	—	Yes	Yes	1	036504	N/A -
PES	0.65 / 0.45	550	Step barb	Step barb	9	Yes	Yes	1	036505	N/A -
Polycap 36 AS										
Nylon	0.2	400	Step barb	Step barb	NC	Yes	Yes	1	036095	N/A -
Nylon	0.45	400	Step barb	Step barb	NC	Yes	Yes	1	036096	N/A -
Nylon	0.2	400	Step barb	Step barb	NC	Yes	Yes	1	036098*	N/A -
Polycap 75 TC										
PES	0.2 / 0.1	1100	Step barb	Step barb	7	Yes	Yes	1	036506	N/A -
PES	0.2 / 0.2	1100	Step barb	Step barb	11.5	Yes	Yes	1	036507	N/A -
PES	0.65 / 0.45	1100	1/2" Step barb	1/2" Step barb	17	Yes	Yes	1	036508	N/A -
PES	1.0 / 1.0	1100	1/2" Step barb	1/2" Step barb	—	Yes	Yes	1	036510	N/A -
Polycap 75 TC with bell										
PES	0.2 / 0.2	1100	Step barb	Step barb	11.5	Yes	Yes	1	036512	N/A -
PES	0.8 / 0.2	760	Step barb	Step barb	15.2	Yes	Yes	1	036211	N/A -
Polycap 150 TC										
PES	0.2 / 0.1	2200	1/2" Step barb	1/2" Step barb	17	Yes	Yes	1	036515	N/A -
PES	0.2 / 0.2	2200	1/2" Step barb	1/2" Step barb	26	Yes	Yes	1	036101	N/A -
PES	0.65 / 0.45	2200	1/2" Step barb	1/2" Step barb	37	Yes	Yes	1	036516	N/A -
Polycap 150 TC with bell										
PES	0.2 / 0.2	2200	1/2" Step barb	1/2" Step barb	26	Yes	Yes	1	036518	N/A -
PES	0.8 / 0.2	1140	1/2" Step barb	1/2" Step barb	—	Yes	Yes	1	036214	N/A -

* with filling bell

* Barbed fitting: Step barb end for tubing with an internal diameter of 6 to 10mm; 1/2" step barb: Step barb end for tubing with an internal diameter of 10 to 12 mm; MNPT: Male National Pipe Thread

Polycap™ HD «Heavy Duty»: ideal pre-filter for the filtration of aqueous or organic solutions between 1 and 20 µm

- Depth media for filtration of loaded solutions
- Available in 2 sizes
- Step barb connectors for tubes with an internal diameter of 6 to 12 mm

* Barbed fitting: Step barb end for tubing with an internal diameter of 6 to 10 mm; 1/2" step barb: Step barb end for pipes of 10 to 12 mm internal diameter.

➤ Applications

- Pre-filtration
- Sample preparation
- Solvents
- Buffers
- Reagents



Membrane	Filtration threshold (µm)	Filtration area (cm ²)	Connection* input	Connection* output	Flow rate litres/min to 1 bar (14.5 psi)	Event	Sterile	Units/box	Cat. No.	Price/box
Polycap 36 HD										
PP	1	400	Step barb	Step barb	4	No	No	1	036521	N/A -
PP	5	400	Step barb	Step barb	5.5	No	No	1	036522	N/A -
PP	10	400	Step barb	Step barb	6.5	No	No	1	036523	N/A -
PP	20	400	Step barb	Step barb	9	No	No	1	036524	N/A -
Polycap 75 HD										
PP	1	820	1/2" Step barb	1/2" Step barb	8	No	No	1	036525	N/A -
PP	5	820	1/2" Step barb	1/2" Step barb	14	No	No	1	036526	N/A -
PP	10	820	1/2" Step barb	1/2" Step barb	21	No	No	1	036527	N/A -
PP	20	820	1/2" Step barb	1/2" Step barb	> 30	No	No	1	036528	N/A -

50 mm polycarbonate filter holder



For laboratory filtrations. Made of chemically stable and autoclavable polycarbonate. Can be connected to a peristaltic pump or a pressure tank.

*The material can withstand repeated autoclaving cycles, provided that any chemically aggressive substances have been thoroughly cleaned beforehand, and that the boiler water does not contain any anti-corrosive or anti-scaling additives.

Chemical compatibility	See that of materials
Filtration area	12.5 cm ²
Weight	83 g
Tip	M12 x 1
Material	Body (top and bottom) in PC
	PC connector tips
	PP filter support grid
	Silicone O-ring gasket (40x5mm)
Max. pressure:	7 bar / 700 kPa / 101.5 psi
Ø filter required	50 mm (prefilter 40 mm)
Sterilization	Autoclaving at 121 °C *
Cat. No.	150458
Price/ 5 units	N/A -

Additional spare parts

Cat. No.	Description	Price
150459	M12x1 polycarbonate connector	N/A -
150460	Polypropylene grid for filter holder (2 units)	N/A -
150461	Silicone O-ring gasket (40 x 5 mm)	N/A -
150462	Polycarbonate base	N/A -

Complete Pyrex Scilabware filtration system



- **Made of glass, fully autoclavable**
- **Suitable for membrane Ø 47 mm**
- **Ideal for microbiology**

- Includes 4 items:
- 300 ml funnel;
 - support base with sintered disc and vacuum connector;
 - metal retaining clip;
 - 1000 ml conical flask suitable for use under vacuum.

Cat. No.	Description	Price
001966	Complete system	N/A -
001967	Graduated glass funnel 300 ml	N/A -
001968	Base and vacuum connector	N/A -
001969	Glass conical flask 1000 ml	N/A -
001970	Metal retaining clip	N/A -
001966	Complete system including the 4 components	N/A -

Complete filtration system made of Schott DURAN borosilicate glass



- Supplied with:
- 1000 ml vacuum flask, with NS45/40;
 - NS 45/40 head with connection for GL14 hose;
 - pTFE adapter disc;
 - glass filter disc, 50 mm in diameter;
 - slit-sieve Büchner disc, 48 mm in diameter;
 - funnel with 250 ml scale;
 - anodised aluminium clamp;
 - plastic hose connection, straight in PP with silicone gasket, GL14
 - screw cap in red PBT GL14.



Cat. No.	Description	Price
090986	Complete Filtration unit with PTFE adapter disc and clamp	N/A -

Adapter

- **PTFE adapter for direct filtering onto a GL45 neck bottle**
- **Connection between NS 45/40 ground neck and GL45 threaded neck**
- **For use with pressure-resistant bottles (see page 1034)**

Cat. No.	Description	Price
084486	DURAN PTFE adapter for filtration on GL45 bottles	N/A -

Filter funnels



- Borosilicate glass Funnels.
- **For Membranes of 25 mm or 47 mm diameter**
 - **With sintered glass disc**
 - **To be completed with silicone caps, clamps and filter vials**

Filter funnels

Cat. No.	Capacity (ml)	Membrane Ø (mm)	Price
046481	15	25	N/A -
046482	100	25	N/A -
046483	250	47	N/A -

Silicone caps

Cat. No.	Description	Price
046484	Silicone cap for funnel 15 ml and 100 ml	N/A -
046485	Silicone cap for funnel 250 ml	N/A -

Clamps

Cat. No.	Description	Price
046486	Clamp for funnel 15 ml et 100 ml	N/A -
046487	Clamp for funnel 250 ml	N/A -

Swinnex filter holders

For 13, 25 or 47 mm membrane filters. For pressure filtration of small volumes of liquids dispensed with a syringe. Supplied without filter and pre-filter.

- Autoclavable polypropylene with membrane filter in place
- Swinnex 13 and 25 mm: female Luer lock inlet, male Luer Slip outlet
- Swinnex 47: inlet: combination of female Luer Slip and 1/4" NP™ threaded fitting; outlet: combination of female Luer Slip and 1/4" tubing fitting



Swinnex filter holders

Cat. No.	Description	Filter ø (mm)	Prefilter ø (mm)	Units/box	Price/box
044093	Swinnex Holder 13	13	10	10	N/A -
051778	Swinny stainless steel holder 13	13	10	1	N/A -
044094	Swinnex Holder 25	25	22	12	N/A -
044095	Swinnex Holder 47	47	42	8	N/A -

Stainless steel holders

Cat. No.	Description	Price
053721	Analytic Filter Holder 13 mm, stainless steel	N/A -
051679	Microsyringe Filter Holder 25 mm, stainless steel, luer-lock	N/A -
053722	Microsyringe Filter Holder 25 mm, stainless steel, NPTF	N/A -

Millipore Pyrex Filter Holders

Supplied complete with funnel, filter support grid, anodised aluminium assembly clamp, pierced silicone cap.

Applications

- Sintered glass support grid: for bacteriological analyses of water, analyses of solid materials suspended in water
- Sintered glass support grid + Teflon-coated sockets: for bacteriological analyses that require autoclaving of the holder with the filter in place
- Stainless steel support grid: for the analysis of particulate contamination in fluids and hydrocarbons by gravimetry or particle counting

Filter holders 25, 47 and 90 mm

Cat. No.	Filter holder screen	Filter ø (mm)	Funnel capacity (ml)	Perforated cap Fitting No.	Price
044096B	Sintered glass	25	15	5	N/A -
044099B	Stainless steel	25	15	5	N/A -
044100B	Sintered glass	47	300	8	N/A -
044103B	Sintered glass Teflon thread	47	300	8	N/A -

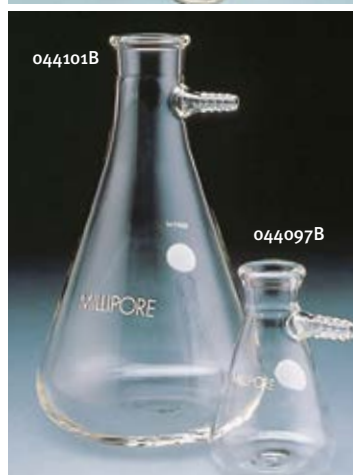


Vacuum flasks

Cat. No.	Description	Units/box	Price/box
044097B	Vacuum flask 125 ml (inner neck ø 27 mm)	1	N/A -
044101B	Vacuum flask 1 litre (inner neck ø 38 mm)	1	N/A -
044105B	Vacuum flask 4 litres	1	N/A -
044098B	Perforated Silicone cap n°5 for flask 044097B*	5	N/A -
044102B	Perforated Silicone cap n°8 for flasks 044101B and 044105B**	5	N/A -

* bottom part ø x top ø x H (mm): 24 x 29 x 25 mm

** bottom part ø x top ø x H (mm): 35 x 43 x 25 mm



All Pyrex® Filtration unit

Cat. No.	Description	Price
044107B	Filter unit with sintered glass filter holder	N/A -

Spare parts

Cat. No.	Description	Price
051374B	Glass funnel	N/A -
051373B	Sintered base	N/A -
051692	Glass base with stainless steel screen	N/A -
051753	PTFE Gasket for support screen - 25 units	N/A -
053818	Filter support screen	N/A -
051736	Clamp	N/A -

For 47 mm membrane filters. Vacuum filtration of aqueous, organic or corrosive solutions for filtrate recovery or particulate contamination analysis. Also recommended for the filtration of organic solvents. Supplied complete with funnel, filter support screen, anodised aluminium assembly clamp, Pyrex® base and side tubing stopper, 1 litre ground-neck vacuum flask.



Millex Smplicity filtration systems



High throughput alternative to syringe filters when preparing samples for chromatography.

- ▶ Made of polypropylene
- ▶ Vacuum system for 1 to 8 samples
- ▶ Filtration without manual force
- ▶ For the filtration of small samples of less than 300 µl
- ▶ Dimensions L x W x H: 445 x 102 x 91 mm
- ▶ Weight: 1.32 kg

Smplicity Filter Systems

Cat. No.	Description	Price
044444	Smplicity G2 Blue Filter System	N/A -
044445	Smplicity G2 Green Filter System	N/A -
044448	Replacement Lid	N/A -

Millex filters for smplicity G2 system

Pore size (µm)	Max. Vol. (ml)	Membrane	Filter housing	Input / output	Type Millex	Ø (mm)	Cat. No. Merck Millipore	Cat. No.	Units/box	Price/box
0.22	1.6	Durapore	PP	LL/LT	Millex-GV	33	SAMP2GVNB	044438	250	N/A -
0.45	1.6	Durapore	PP	LL/LT	Millex-GV	33	SAMP2HVNB	044439	250	N/A -
0.22	1.6	Express Plus	PP	LL/LT	Millex-GP	33	SAMP2GPNB	044440	250	N/A -
0.45	1.6	Express Plus	PP	LL/LT	Millex-GP	33	SAMP2HPNB	044441	250	N/A -
0.2	1.6	Nylon	PP	LL/LT	Millex-GN	33	SAMP2GNNB	044442	250	N/A -
0.45	1.6	Nylon	PP	LL/LT	Millex-GN	33	SAMP2HNNB	044443	250	N/A -

Smplicity Millex filters: filters with integrated funnel

Pore size (µm)	Max. Vol. (ml)	Membrane	Filter housing	Input / output	Ø (mm)	Cat. No. Merck Millipore	Cat. No.	Units/box	Price/box
0.45	1.6	PVDF	HDPE	Smplicity Millex	25	SAMPHV001	044446	96	N/A -
0.45	1.6	PVDF	HDPE	Smplicity Millex	25	SAMPHV004	044447	384	N/A -

SARTORIUS

Claristep Sartorius filtration system



- ▶ Up to 8 samples are processed simultaneously
- ▶ No syringe, vacuum source or power supply required
- ▶ For sample volumes ranging from 60 to 600 µl
- ▶ Hold-up volume < 30 µl
- ▶ A groove system guides the stopper into the correct position for simultaneous and precise closure
- ▶ Extremely short contact time of samples with filters and stoppers for optimal results without contamination
- ▶ The filtered liquids are collected in 12 x 32 mm vials according to the method of analysis to be performed

The Claristep filter system includes:

- a base, a lid and an exchangeable tray for easy and accurate positioning of samples;
- filters: the liquid passes through the filter thanks to an air pocket that forms on each filter when the unit is closed. This air pocket is released when the user releases the lid.

Filters

- ▶ In regenerated cellulose (RC)
- ▶ Polypropylene body
- ▶ Ø (mm): 9.7
- ▶ Non-sterile
- ▶ Autoclavable

Cat. No.	Porosity (µm)	Units/box	Price/box
153032	0.2	96	N/A -
153031	0.2	480	N/A -
153030	0.45	96	N/A -
153029	0.45	480	N/A -

Cat. No.	Description	Price
153033	Complete Claristep Filter System	N/A -
153034	Tray for Claristep Filter System	N/A -

Sartorius Complete Filter System made of borosilicate glass

SARTORIUS

- **Completely made of glass**
- **To be used for particle removal from solvents for analytical determinations**
- **Ideal device for ultra-cleaning and degassing of solvents and solvent mixtures for HPLC, GC and AA**

Supplied complete with:

- bottle made of borosilicate glass, 1 l;
- base and funnel made of borosilicate glass;
- filter holder: sintered glass, including 1 PTFE ring and 1 O-ring gasket made of Viton (45 x 3 mm);
- 1 anodised aluminium clamp.

Membrane	Diameter from 50 / 47 mm
Filtration area	12.5 cm ²
ø outer lateral end	6 to 9 mm
Max. pressure:	Empty only
Chemical compatibility	see that of glass and PTFE
Vol. funnel / Bottle Vol.	250 ml / 1 litre
Sterilization	autoclaving (121 or 134 °C) dry heat (max. 180 °C)
Cat. No.	147031
Price	N/A -

Additional spare parts

Cat. No.	Description	Price
6980119	250 ml borosilicate glass funnel	N/A -
150453	Sintered glass filter holder	N/A -
150454	PP connector with viton seal	N/A -
150456	Borosilicate glass base	N/A -
150457	1 l borosilicate glass flask	N/A -



Sartorius Borosilicate Glass Filter Holders

- **Vacuum filtration media for hybridization testing, particle testing and clarification**
- **Available for two filter diameters: 24-25 mm or 47-50 mm**
- **Vacuum use only**
- **Sterilisable by autoclave (max. 134 °C) or dry heat (max. 180 °C)**

Filter system contains:

- borosilicate glass funnel;
- borosilicate glass base;
- anodized aluminium clamp
- silicone lid (for 50 mm filters only)
- sintered glass or Teflon coated stainless steel filter holder



➤ Sintered glass filter system

- **Ensures uniform particle distribution and better recovery of residues from the filter surface**
- **Contains: 1 sintered glass, 1 PTFE ring and 1 silicone O-ring gasket**

➤ Stainless steel/PTFE filter holder

- **Due to its easy cleaning, it is best suited for filtrate recovery or radiochemical tasks**
- **Contains: 1 PTFE-faced filter holder screen, 1 PTFE-faced drainage sub-screen, 1 PTFE ring and 1 silicone O-ring gasket**



For filter ø (mm)	Funnel capacity (ml)	Ø outlet spout (mm)	Filter area (cm ²)	Filter holder	Cat. No.	Price
24-25	30	12	3	Sintered glass	036893	N/A -
				Stainless steel / PTFE	150435	N/A -
47-50	250	15	12.5	Sintered glass	147000	N/A -
				Stainless steel / PTFE	150443	N/A -

Additional spare parts

For holders with diameter	24-25 mm	Price	47-50 mm	Price
Funnel	150437	N/A -	6980119	N/A -
Base	150438	N/A -	146634	N/A -
Sintered glass filter holder	150441	N/A -	150451	N/A -
Stainless steel/PTFE filter holder	150442	N/A -	150452	N/A -
Clamp	150436	N/A -	150449	N/A -

Filter holders for use with a bottle + perforated cap

Cat. No.	Description	Price
150193	2 l vacuum flask in borosilicate glass	N/A -
150470	Silicone stopper, perforation ø 11-12 mm, for filter holders 24-25 mm	N/A -
150471	Silicone stopper, perforation ø 14-15 mm, for filter holders 47-50 mm	N/A -

Or on a Combisart® filtration manifold (with an adapter)

Cat. No.	Description	Price
036894	Adapter for filter holders ø 24-25 mm to Combisart® Manifold	N/A -
150469	Adapter for filter holders ø 47-50 mm to Combisart® Manifold	N/A -

The filter holders are to be completed with a vacuum flask + perforated stopper or to be used on a Combisart® Manifold (with adapter).

150193



146871



Complete borosilicate glass filter system

- Borosilicate glass 3-3
- For membranes Ø 47 mm



Filter assembly with rubber stopper

Cat. No.	Description	Price
940894	Complete filter system with rubber stopper, including the 5 items below	N/A -
940896	300 ml filter funnel	N/A -
940897	Sintered glass base with rubber stopper Ø 47 mm	N/A -
940895	Erlenmeyer flask 1000 ml with Ø 11 mm hose connection	N/A -
940898	Aluminium clamp	N/A -
942998	Silicone stopper	N/A -

Filtration System with glass joint

Cat. No.	Description	Price
940899	Funnel Filtration System complete with glass joint, includes all 4 items below	N/A -
940896	300 ml Filter funnel	N/A -
940902	Sintered glass base	N/A -
942997	Erlenmeyer flask 1000 ml with ground joint 40/35	N/A -
940898	Aluminium clamp	N/A -

Solvent filter units with pump

ROCKER



- Complete system with VF12 filter system and vacuum pump
- Ideal for the purification of organic solvents or corrosive liquids such as HPLC mobile phases
- Compact and secure unit
- Oil-free, maintenance-free membrane pumps
- Good chemical resistance (PTFE coated membrane and chamber, 316 stainless steel valve plate)
- Automatic shutdown in case of overheating
- 47 mm membrane filter system
- Storage of filtrate directly in GL 45 neck bottles

Complete system delivered with:

- Pump
- Connecting hose
- Fully autoclavable VF12 filter system
 - . glass funnel 300 ml
 - . anodised aluminium clamp
 - . glass base for 47 mm filter
 - . silicone stopper
 - . adapter for GL 45 neck bottles in polypropylene with PTFE gasket
 - . 1000 ml bottle in borosilicate glass GL 45

Cat. No.	Description	Price
886084	VF12 Filter unit supplied with Rocker 300C vacuum pump	N/A -
886162	VF12 Filter unit supplied with Chemker 300 vacuum pump	N/A -
886092	VF12 Filter unit supplied with Lafil 300C vacuum pump	N/A -

Accessories

Cat. No.	Description	Price
886006	VF12 filter system complete with 1 l bottle	N/A -
886007	System includes 300 ml funnel, holding clamps and filter holder	N/A -
886008	Adapter for GL 45 neck bottles	N/A -

Glass filtration devices

- Funnel and glass bottle
- Clear grading on funnel
- Sintered glass or stainless steel depending on the application

ROCKER



Model	VF3	VF5	VF6	VF7	VF8
Funnel volume (ml)	300	15	300	300	15
Vacuum flask volume (ml)	1000	125	1000	1000	125
Sintered	Glass	Glass	Glass	Stainless steel	Stainless steel
Filter diameter (mm)	90	25	47	47	25
Cat. No.	886100	886101	886102	886103	886104
Price	N/A -	N/A -	N/A -	N/A -	N/A -

Continuous filtration kit

Cat. No.	Description	Price
886217	Continuous filtration kit for VF3/VF6/VF7/VF12 systems	N/A -

Filtration systems with drainage

- Complete system for large volume filtration or purification of solvents or corrosive liquids
- Stainless steel filter holder compatible with rapid flame sterilisation
- Vacuum flask with drainage system
- SF11 system with silicone fixing sucker

Material:

- funnel, filter holder and base in **autoclavable 316 stainless steel**
- **autoclavable silicone** stopper N°8 for SF11 and N° 18 for SF52
- **autoclavable borosilicate glass** vacuum flask
- **rubber** drainage hose (not autoclavable)

Filtration Apparatus	SF11	SF52
Funnel (ml)	100	500
Vacuum flask (ml)	1000	2000
Filter membrane diameter (mm)		47
Filtration area (cm ²)		9.6
Lateral end for pipe tubing with Ø (mm)		8
Funnel gradations	50 / 100 ml	300 / 500 ml
Cat. No.	886097	886093
Price	N/A -	N/A -



System accessories

	SF11		SF52	
	Cat. No.	Price	Cat. No.	Price
Funnel (100 ml for SF11, 500 ml for SF52)	886169	N/A -	886171	N/A -
Stainless steel filter support grid	886230	N/A -	886230	N/A -
Stainless steel base 47 mm	886231	N/A -	886231	N/A -
Silicone stopper (n°8 for SF11; n°18 for SF52)	886109	N/A -	886110	N/A -
Vacuum flask (1000 ml for SF11; 2000 ml for SF52)	886113	N/A -	886114	N/A -
Silicone fixing sucker	886115	N/A -	-	-

WaterVac 100 Ultra-compact filter system

- Compact unit
- The filtrate is discharged directly through a silicone tube after passing through the pump
- Ideal for working in a laminar flow hood
- Available in pack with silicon adapter no. 8 or stainless steel base for stainless steel funnel
- Interchangeable filter unit base allows the use of a wide variety of funnels

Maximum vacuum (mmHg)	540
Maximum air/clear water flow rate (l/min)	2.2/0.5
Inner/outer Ø of drain tubing (mm)	4/8
Ambient operating temperature (°C)	5 to 40
Dimensions (L x Dx H) (mm)	170 x 120 x 96
Power supply	DC 12v, 1.5A / AC 100-240v 50/60Hz
Weight (kg)	1.16
WaterVac 100 pump only	886018
Price	N/A -
WaterVac 100 pump with silicone nozzle no. 8	886019
Price	N/A -
WaterVac 100 pump with stainless steel base for stainless steel funnels	886020
Price	N/A -



FILTRATION

Rocker Filter Manifolds



- > In 3 or 6 branches version
- > Stainless steel or aluminium manifold according to model
- > 3 versions: - MB with base for stainless steel filter holder
 - MS with base for filter holder with silicone stopper No. 8 (magnetic or glass)
 - Version without base for adapter

Material	Number of channels	Version	Cat. No.	Price/box
Stainless steel	3	MB with stainless steel funnels 100 ml	886196	N/A -
	6		886197	N/A -
	3	MB	886039	N/A -
	6		886040	N/A -
	3	MS	886037	N/A -
	6		886036	N/A -
Aluminium	3		886038	N/A -
Stainless steel	3	For adapters	886122	N/A -
	6		886121	N/A -

Adapters

Cat. No.	Description	Price
886022	Sartorius Funnel Adapter for Rocker manifold	N/A -
886021	Millipore Funnel Adapter for Rocker manifold	N/A -
886123	PALL Funnel Adapter for Rocker manifold	N/A -

Funnels

- > Stainless steel funnels
- > Quarter-turn fixation

Cat. No.	Volume (ml)	Filter size (mm)	Compatible Systems	Price
886169	100	47	886039, 886040	N/A -
886170	300	47		N/A -
886171	500	47		N/A -

Lids for stainless steel funnels

Cat. No.	Description	Price
886172	Lid for stainless steel funnel 100 ml	N/A -
886173	Lid for stainless steel funnel 300 ml and 500 ml	N/A -

Alligator 200 Filter System



- > Ideal for filtration of a large number of samples
- > Filtrate discharged directly after passing through the pump
- > No need for a waste collection container
- > Quick-Fit fitting for easy connection to both sides of the pump
- > Ideal for microbiology applications or water testing without the need for filtrate recovery

Maximum vacuum (mmHg)	525
Maximum flow rate (l/min)	4.5
Power supply	220 V, 2.5 A
Dimension L x W x H (cm)	21.4 x 18.3 x 26.4
Materials in contact with the filter	316 stainless steel, FKM, silicone, PP, PPS
Protection index	IP64
Cat. No.	886127
Price	N/A -

WaterVac 200 Filter System

- Compact unit, ideal for working in a laminar flow hood
- To perform two simultaneous filtrations
- Filtrate discharged directly through a hose after passing through the pump
- Interchangeable filter unit base allows the use of a wide variety of funnels
- Ideal for microbiology applications or water testing without the need for filtrate recovery
- Fitted with taps for independent two-branch operation



Maximum vacuum (mmHg)	525
Maximum flow rate (l/min)	4.5
Power supply	220 V, 2.5 A
Materials in contact with the filter	Stainless steel, FKM, silicone, PP, PPS
Protection index	IP41
Dimension L x W x H (cm)	21.4 x 18.3 x 26.4
Weight (kg)	-
WaterVac 200-MB pump with stainless steel base for stainless steel funnels	
Cat. No.	886135
Price	N/A -
WaterVac 200-MS pump with No. 8 silicone nozzle	
Cat. No.	886134
Price	N/A -
WaterVac 201-MB pump with stainless steel base and stainless steel funnels 100 ml	
Cat. No.	886136
Price	N/A -

LF Filter System

- For 47 and 50 mm diameter filters
- Overflow protection between funnel and bottle
- LF 30 system with pressure-compensated lid over the funnel
- Autoclavable

	Filter System LF30	Filter System LF33
Funnel volume (ml)	300	100
Funnel material	PES	Stainless steel
Bottle volume (ml)	1200	
Bottle material (ml)	Polycarbonate	
Cat. No.	886011	886052
Price	N/A -	N/A -



LF filter system and Lafil compact pump set

- Compact filter pump
- Supplied complete with filter pump, filter system and connecting tubing

	Lafil 300		Lafil 400	
	LF30	LF32	LF30	LF32
Maximum vacuum (mbar abs.)	105		30	
Maximum flow rate (l/min)	20			
Ø suction tubing (mm)	8			
Dimensions W x D x H (mm)	335 x 230 x 450	335 x 230 x 400	335 x 230 x 450	335 x 230 x 400
Cat. No.	886131	886129	886009	886132
Price	N/A -	N/A -	N/A -	N/A -

Accessories

CatNo.	Description	Price
886141	Lafil 300 filter base only	N/A -
886010	Lafil 400 filter base only	N/A -



FILTRATION

Rocker Magnetic Filter Holder



- Magnet closure system to avoid problems with twisting and tearing of the membranes
- Made of PES for good chemical and temperature resistance
- PP lid with PTFE syringe filter
- Funnel, funnel base, tubing connector and filter holder made of PES
- Silicone seals
- Reusable, can be autoclaved several times
- Vacuum hose fitting detachable from the base of the holder
- Compatible with many types of glassware (bottle, Erlenmeyer or vacuum flask)
- Short stem "a" versions; MF3 and MF5 versions supplied with #8" silicone stopper

Model	MF 3	MF 3a	MF 5	MF 5a
Funnel capacity (ml)	300		500	
Effective filter area (cm ²)			13.1	
Effective Ø (mm)			41	
Filter size (mm)			47	
Ø connectable tube (mm)			4-8	
Graduation increment (ml)			50	
Size Ø x H (cm)	9 x 17	9 x 10.4	9 x 21.6	9 x 14.6
Weight (g)	350	300	400	350
Cat. No.	886015	886014	886016	886017
Price	N/A -	N/A -	N/A -	N/A -

Filtration system for GL45 neck bottles



- Filtration system allowing the recovery of the filtrate directly into the glass bottle
- GL45 polypropylene adapter with PTFE seal
- Autoclavable
- 8 mm barbed fitting
- Complete system delivered with:
 - glass funnel
 - anodised aluminium clamp
 - filter holder 47 or 90 mm
 - silicone cap
 - adapter for GL 45 neck bottles
 - bottle in borosilicate glass GL 45

Model	VF12	VF15	VF16	VF17
Funnel (ml)	300	1000		
Vacuum flask (ml)	1000	5000	3500	
Filter membrane Ø(mm)	47	90		
Filtration area (cm ²)	9.6	40.6		
Filter holder	Sintered glass	Stainless steel / PTFE	Sintered glass	Sintered glass
Cat. No.	886006	886106	886203	886204
Price	N/A -	N/A -	N/A -	N/A -

System accessories

Model	VF12	VF15	VF16	VF17
Funnel	886118	886219		
Price	N/A -	N/A -		
Aluminium clamp	886119	886220		
Price	N/A -	N/A -		
Filter holder with sintered glass base with silicone stopper	886120	-	886221	
Price	N/A -	-	N/A -	
PTFE filter holder	-	886222	-	-
Price	-	N/A -	-	-
PTFE gasket	-	886223	-	-
Price	-	N/A -	-	-
Glass base with silicone stopper	-	886224	-	-
Price	-	N/A -	-	-
Adapter for GL 45 neck bottles	886008			
Price	N/A -			
Funnel, clamp and filter holder assembly	886007	-	-	-
Price	N/A -	-	-	-

Continuous filtration kits

Cat. No.	Description	Price
886217	Continuous filtration kit for VF3/VF6/VF7/VF12 systems	N/A -
886232	Continuous filtration kit for VF15/VF16/VF17 systems	N/A -



Membrane Filter Holders

Thermo SCIENTIFIC NALGENE

Set containing an upper container and a polysulfone receiving container which is autoclavable and reusable.

Two types of lower containers:

- either a closed container with a screw lid;
- or a filtration funnel.

► The membrane is fixed on a removable support plate located between the two containers

► For use with pressure or vacuum filtration

► For membranes with a diameter of 47 mm

Upper container volume	250 ml	250 ml	500 ml	500 ml	500 ml
Lower container type	Receiver	Funnel	Receiver	Receiver	Funnel
Receiver container volume	250 ml	-	500 ml	1000 ml	-
Cat. No.	029311	029314	029312	029313	029315
Price the pack	N/A -	N/A -	N/A -	N/A -	N/A -



Filter holders for membranes for ISO flasks

Thermo SCIENTIFIC NALGENE

47 mm polysulfone membrane holder, autoclavable and reusable. It is screwed onto the neck of a standard laboratory Schott, Duran or Pyrex flasks with a 33 or 45 mm neck.

► Pressure filtration (up to 1 bar) or vacuum filtration

► Removable membrane holder

► Graduated container

Cat. No.	For volume flasks (ml)	Neck (mm)	Price
029317	250	45	N/A -
029318	500	33	N/A -
029319	500	45	N/A -



Polypropylene vacuum flasks

Thermo SCIENTIFIC NALGENE

► One-piece moulding

► Made of polypropylene

► Ideal for vacuum filtration

► Withstand a vacuum of 762 mm Hg

► Eliminate the risk of breakage of traditional glass

Volume	500 ml	1000 ml	1700 ml
Inner neck ø (mm)	28	32	42
For tubing with inner ø (mm)	6.4 à 9.5	6.4 à 9.5	9.5
Opening for cap N°	7	8	10
Cat. No.	029717	029718	029642
Price	N/A -	N/A -	N/A -



Pyrex® Vacuum Flasks

DWK LIFE SCIENCES

Pyrex® Borosilicate glass vials specially designed for vacuum work.

► Step barb glass lateral end

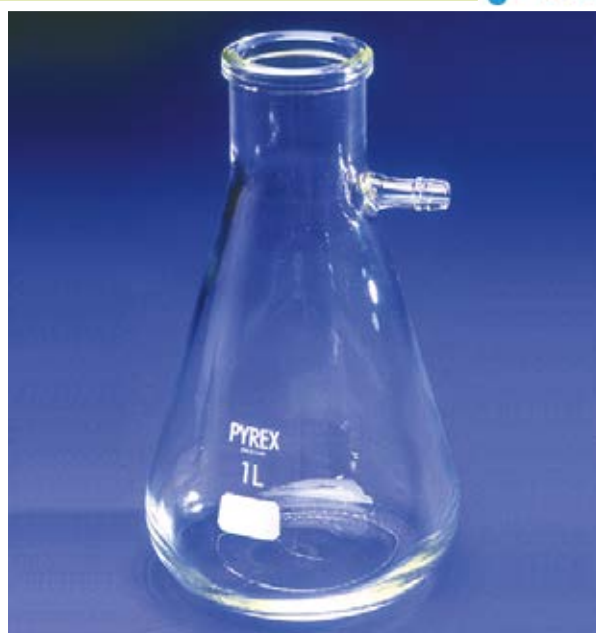
► Both types of vacuum tubing can be used from -30 °C to +70 °C (sterilisable at 125 °C in moist heat for 30 minutes)

► Pre-punched natural rubber stoppers of European series (DIN 12871)

Cat. No.	Volume (ml)	ø x H (mm)	Inn. neck ø (mm)	Hose connection ø (mm)	Price
001160	100	64 x 105	24	10	N/A -
001161	250	85 x 155	35	10	N/A -
001162	500	105 x 185	35	10	N/A -
001163	1000	136 x 230	45	10	N/A -
001164	2000	166 x 260	58	10	N/A -
001165	3000	187 x 335	68	9	N/A -
001166	5000	220 x 385	68	9	N/A -

Caps

Cat. No.	N°	Dim. (mm) H x downer ø x upper ø	For flask	Units/box	Price/box
260231	49D	40 x 41 x 49	001163	5	N/A -



Pyrex® Flasks with Hose connection



- Glass hose to connect a 9 mm inner diameter tubing
- Non ground neck to fit rubber stoppers



Cat. No.	Body Ø (mm)	Flask H. (mm)	Capacity (ml)	Max inner neck Ø (mm)	Price
232553	73	131	250	18	N/A -
232554	89	163	500	23	N/A -
232555	111	200	1000	28	N/A -
232556	138	248	2000	28	N/A -

Conical vacuum flask



- With heavy wall and base
- Suitable for use under vacuum



Cat. No.	Approx. Ø (mm)	Approx. H. (mm)	Capacity (ml)	CN socket	Price
232569	90	139	250	24/29	N/A -

Pyrex® Carboys with lateral socket, smooth neck



- Complies with ISO 4796
- 29/32 side socket for stopcock
- Accepts rubber stoppers, thanks to its smooth neck

Cat. No.	Body Ø (mm)	Flask H. (mm)	Capacity (ml)	Max inner neck Ø (mm)	Price
232558	181	318	5000	44	N/A -

Stopcock with ground cone

- For use with flasks with side socket Cat. No. 232558
- Model 232559 with Rotaflor® key made of chemically inert PTFE that does not require lubrication
- Model 232560 with standard glass key

Cat. No.	CN male socket	Total length (mm)	Track (mm)	Price
232559	29/32	53	3.0	N/A -
232560	29/32	95	4.0	N/A -

DURAN® Borosilicate glass wash bottle



- Wash bottle with screw-on assembly system
- Drechsel nozzle without filter disc
- Adjustable dive height



Cat. No.	Volume (ml)	Safety	Price
090377	500	GL 45	N/A -

500 ml Borosilicate Glass Storage Flask



Vacuum flask made from Levasint-coated borosilicate glass.

- Protection against breakage and implosion
- Volume: 500 ml
- 1 central neck with open cap, 25 mm neck equipped with an analogue pressure gauge
- 2 side necks with GL 18 open caps, equipped with a suction tube, a non-return valve, and a tube with PTFE stopcock

Cat. No.	Description	Price
046604	Complete Vacuum safety bottle	N/A -

Spare accessories

Cat. No.	Description	Price
046605	Analogue Vacuumeter	N/A -
046606	Glass tube with non-return valve	N/A -
046607	Bottle 500 ml only	N/A -

FILTRATION HOLDERS AND FUNNELS

Seals for filter funnels

Set of conical rubber seals for filter funnels.
Parts from 22 to 84 mm.

Cat. No.	Description	Price
046571	Set of 7 seals	N/A -



PTFE seals

- For use with glassware equipped with a Quickfit® flat socket flange
- Made of PTFE with excellent chemical resistance
- Ensure perfect impermeability with flat socket flanges

Cat. No.	inn. Ø (mm)	Thickness (mm)	Price
232563	75	0.5	N/A -
232564	100	0.5	N/A -



Büchner porcelain funnels

Cat. No.	Ø filter area (mm)	Holes Ø (mm)	Total height (mm)	Price
140651	48	1	67	N/A -
140652	62	1	94	N/A -
140653	77	1	99	N/A -
140654	97	1.5	111	N/A -
140655	116	1.5	132	N/A -
140656	130	2	137	N/A -
140657	156	2	155	N/A -



Büchner Polypropylene Funnels

- In autoclavable polypropylene
- Splits in two for easy cleaning

Top inner diameter (mm)	59	76	93	130	172
Rod outer diameter (mm)	10	11	12	22	20
Rod length (mm)	45	65	71	93	107
Total height (mm)	104	146	169	213	283
Capacity (ml)	83	186	358	919	2906
Filter paper diameter (mm)	55	70	90	110	150
Units/bag	1	1	1	1	1
Cat. No.	029511	029512	029513	029514	029515
Price/unit	N/A -	N/A -	N/A -	N/A -	N/A -



Büchner Polypropylene Funnels



- Autoclavable
- Molded in 2 pieces that can be easily separated
- Corrosion and heat resistant
- Excellent chemical resistance

Cat. No.	Volume (ml)	Diameter (mm)	Length (mm)	Holes diameter (mm)	Price
391586	40	42.5	47	1.2	N/A -
391587	70	55	57	1.1	N/A -
391471	180	70	57	2	N/A -
391588	285	80	65	2	N/A -
391589	390	90	68	2.5	N/A -
391590	810	110	92	2.5	N/A -
391591	2100	160	105	2.75	N/A -
391592	6000	240	143	3	N/A -

Duran® Glass Filter Funnels



Cat. No.	Identification	Porosity	Volume (ml)	Ø (mm)	Disc Ø (mm)	Rod Ø (mm)	Height (mm)	Price
080555	39 D	16 - 40 µm	25	55	25	8	100	N/A -
080556	39D	10 - 16 µm	25	55	25	8	100	N/A -



TIP

See all Büchner glass filter funnels: page 1023

Duran® glass funnels with sintered filters



Identification	Vol (ml)	Discs Ø (mm)	Rod Ø (mm)	H. (mm)	Inn. Ø (mm)		Frit N °1 100 - 160 µm	Frit N °2 40 - 100 µm	Frit N °3 16 - 40 µm	Frit N °4 10 - 16 µm	Frit N °5 1 - 1.6 µm
3 D	50	35	10	130	40	Cat. No.	080557-1	080557-2	080557-3	080557-4	080557-5
						Price	N/A -	N/A -	N/A -	N/A -	N/A -
11 D	75	45	10	130	56	Cat. No.	080558-1	080558-2	080558-3	080558-4	080558-5
						Price	N/A -	N/A -	N/A -	N/A -	N/A -
17 D	125	60	10	140	71	Cat. No.	080559-1	080559-2	080559-3	080559-4	080559-5
						Price	N/A -	N/A -	N/A -	N/A -	N/A -
25 D	500	95	22	200	106	Cat. No.	080560-1	080560-2	080560-3	080560-4	080560-5
						Price	N/A -	N/A -	N/A -	N/A -	N/A -
26 D	1000	120	22	320	135	Cat. No.	080561-1	080561-2	080561-3	080561-4	080561-5
						Price	N/A -	N/A -	N/A -	N/A -	N/A -
151 D	4000	175	30	400	202	Cat. No.	080562-1	080562-2	080562-3	080562-4	-
						Price	N/A -	N/A -	N/A -	N/A -	-

Duran® Büchner Glass Filter Funnels with slot



Cat. No.	Vol. (ml)	Discs Ø (mm)	Rod Ø (mm)	H (mm)	Filter paper Ø (mm)	inn. Ø (mm)	Price
080563	70	48	10	130	45	54	N/A -
080564	125	60	10	140	55	71	N/A -
080565	220	73	18	180	70	90	N/A -
080566	500	95	22	240	90	106	N/A -
080567	1000	120	22	280	110	135	N/A -

Borosilicate glass Buchner Funnels with slit

Borosilicate glass 3.3 Buchner Funnels

Cat. No.	Volume (ml)	Ø (mm)	Price
046566	70	45 - 48	N/A -
046567	125	55 - 60	N/A -
046568	220	70 - 73	N/A -
046569	500	90 - 95	N/A -
046570	1000	110 - 120	N/A -



Manifold - 3-channel vacuum filtration manifold

3-channel stainless steel manifold holder for vacuum filtration. Each branch is equipped with stopcock valve, a vent and a No. 8 stopper. Connection to a 9.5 mm (3/8) internal diameter vacuum hose. The holder accepts single-use, reusable filter funnels or funnel membrane holders 029314 and 029315.

Cat. No.	Description	Price
029310	Stainless steel 3-channel support	N/A -



Biosart 100 - complete system for microbiological water analysis

SARTORIUS

A complete, sterile, single-use 100 ml system containing a funnel, a removable filter membrane and an absorbent disc for culture media.

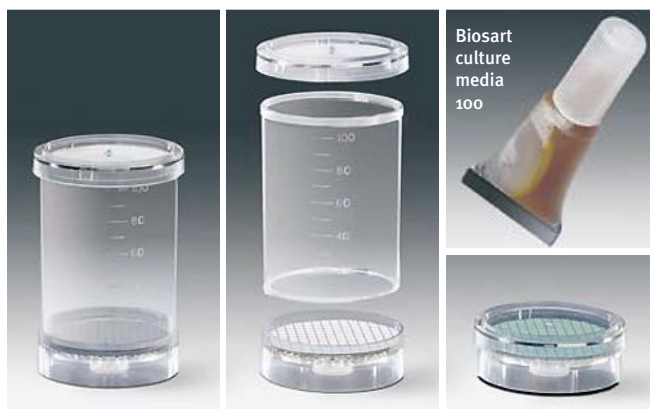
- Full range of culture media, supplied sterile in 2.5 ml ampoules
- Unit ready for use on most devices for vacuum filtration (Combisart System)
- Quality certificate supplied in each Biosart 100 and culture media pack.

Membrane: material / diameter	Cellulose nitrate gridded / 47 mm
Membranes colour:	White/ black grid for good visibility of all types of bacteria, grey/ white grid for good visibility yeast and mould, or green/ dark green grid for total contamination (E.coli, S. aureus, etc.)
Body / Absorbent disc	Polystyrene / Cellulose
Cap and adapter for vacuum filtration device	Polyethylene

Biosart 100 funnels and membranes

(individual sterile packaging, other items on request)

Cat. No.	Description	Units/box	Price/box
146879	Biosart 100 - White/ black grid - 0.2 µm	48	N/A -
146878	Biosart 100 - White/ Black grid - 0.45 µm	48	N/A -
146881	Biosart 100 - Grey/ White grid - 0.45 µm	48	N/A -
146899	Biosart 100 - Green/ Dark green grid - 0.45 µm	48	N/A -



Biosart 100 culture media

Cat. No.	Description	Units/box	Price/box
146883	Biosart 100 culture media - Caso	50	N/A -
146889	Biosart 100 culture media - R2A	50	N/A -
146885	Biosart 100 culture media - Endo	50	N/A -
146887	Biosart 100 culture media - M-FC	50	N/A -
146891	Biosart 100 culture media - Tergitol TTC	50	N/A -
146886	Biosart 100 culture media - KF-Strep	50	N/A -
146884	Biosart 100 culture media - Cetrímide	50	N/A -
146890	Biosart 100 culture media - Sabouraud	50	N/A -
146888	Biosart 100 culture media - M-Green	50	N/A -

Microsart Vacuum Filtration System



- ▶ Vacuum filtration equipment for microbiological quality control of liquid samples
- ▶ Left/right-handed use thanks to 360° rotatable membrane support
- ▶ Easy recovery of the membrane without risk of secondary contamination thanks to the sterile vent filter on each station

Material	Stainless steel
Membranes Ø (mm)	47 y 50
Sterilization	Autoclavable 121 °C or 134 °C, dry heat: 150 °C, flame passage
Membrane holder	Stainless steel Frit
Fittings	Notched hose for connection to vacuum tubing with a diameter of less than 7 mm

Microsart manifold - complete version with funnels

- ▶ Supplied with 100 or 500 ml funnels (lid and seal), 47 and 50 mm filter holder (frit and seal), caps and silicone tubing with quick fitting (20 cm)

Cat.No.	Number of channels	Funnel (ml)	Price
845026	1	100	N/A -
845027	3	100	N/A -
845028	6	100	N/A -
845029	1	500	N/A -
845030	3	500	N/A -
845031	6	500	N/A -

Accessories

Cat.No.	Description	Price
150245	Minisart SRP25 syringe filter (50 pcs)	N/A -
845037	Quick Connection Coupling for Connection of 2 Manifolds	N/A -
148950	Silicone tubing with Quick Connection Coupling, 1 m	N/A -
148951	Silicone tubing with Quick Connection Coupling, pressure-sided, 1 m	N/A -
845040	Silicone tubing with Quick Connection Coupling, pressure-sided, 10 m	N/A -
150197	E jet Pump	N/A -

Microsart manifold - version without funnels

- ▶ To be completed with a filter funnel

Number of branches	For Microsart funnels		For Biosart 100 units		For Biosart 250 units	
	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
1	845015	N/A -	845019	N/A -	845023	N/A -
2	845016*	N/A -	845020*	N/A -	-	-
3	845017	N/A -	845021	N/A -	845024	N/A -
6	845018	N/A -	845022	N/A -	845025	N/A -

* Angled manifold body.

Spare parts

Cat.No.	Description	Price
845036	Fitting stopper to close the manifold	N/A -
845032	Base support for Microsart funnels, Microsart units and Biosart 100 units	N/A -
845033	Frit for base support 845032	N/A -
845034	Base support for Biosart 250 and stainless steel funnels	N/A -
146995	Frit for base support 845034	N/A -
150243	PTFE flat gasket	N/A -
150484	Adapter for Biosart 100 units	N/A -
150466	Plug, conical, to close the venting hole	N/A -
150242	Stainless steel funnel, 100 ml	N/A -
150972	Lid for 100 ml funnel	N/A -
147828	Silicone seal for funnel lid 100 ml	N/A -
147885	Stainless steel funnel, 500 ml	N/A -
147884	Lid for 500 ml funnel	N/A -
147886	Silicone seal for funnel lid 500 ml	N/A -

Sartolab MultiStation for vacuum filtration units



Vacuum filtration base support for simultaneous filtration of 1 to 6 samples.

- ▶ 360 °C rotating head for easy sample handling
- ▶ Compatible with Sartolab RF 50 filter units
- ▶ One click and the filtration unit hangs in the device, with a second click, the vacuum is automatically applied and the filtration begins automatically.
- ▶ Connection to a vacuum hose with an inner diameter of 4 to 10 mm

Cat.No.	Description	Price
978884	Sartolab MultiStation for vacuum filtration units	N/A -

Sartolab RF 50 Filter Unit

- ▶ Single-use filter unit
- ▶ Individual packaging, sterile

Cat.No.	Description	Price 24 units
978885	Sartolab RF 50 filter unit, PES, 0.22 µm	N/A -
978886	Sartolab RF 50 filter unit, PES, 0.45 µm	N/A -



Microsart® 100/250 Single-use Funnels

SARTORIUS

For rapid filtration in routine testing of water, food, beverages, pharmaceuticals and cosmetics

- Sterile
- For membrane diam. 47 mm
- PP funnel
- Marked graduations at 20, 50 and 100 ml
- Optimised shape for thorough rinsing of the filter system

Cat. No.	Description	Units/box	Price/box
147844	Microsart® 100 Funnel, sterile	5 x 20	N/A -
147845	Microsart® 250 Funnel, sterile	6 x 16	N/A -



Biosart 250 Filter Funnel

SARTORIUS

For microbiological control by enumeration of germs by the membrane filtration method.

- 250 ml sterile polypropylene funnel, ready to use
- Reduces filtration and handling time for routine tests, compared to using stainless steel funnels
- The optimised internal diameter of the Biosart 250 ensures high flow rates and its conical shape guarantees thorough rinsing of the system

Cat. No.	Description	Units/box	Price/box
146876	Biosart 250 Filter Funnel	50	N/A -

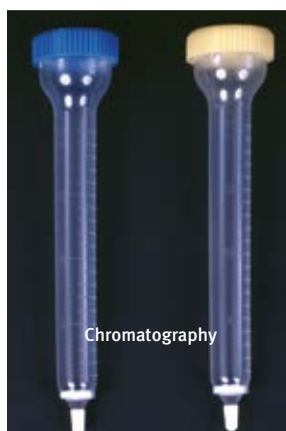


Chromatography and extraction columns

- Disposable mini-columns
- For splitting, desalting
- Chromatography columns supplied with plug
- Made of polystyrene resistant to mild acid solutions and alkalis, or polypropylene resistant to most solvents

Chromatography columns

Cat. No.	Material	Length (cm)	Volume (ml)	Filter (µm)	Units/box	Price/box
064071	PS	13	15	90 - 130	200	N/A -
064072	PS	13	15	45 - 90	200	N/A -
064073	PS	13	15	15 - 45	200	N/A -
064077	PP	13	15	90 - 130	200	N/A -
064046	PP	13	15	45 - 90	200	N/A -
064078	PP	13	15	15 - 45	200	N/A -
064074	PS	18	20	90 - 130	200	N/A -
064075	PS	18	20	45 - 90	200	N/A -
064076	PS	18	20	15 - 45	200	N/A -
064082	PP	18	20	90 - 130	200	N/A -
064083	PP	18	20	45 - 90	200	N/A -
064084	PP	18	20	15 - 45	200	N/A -



Extraction columns

Cat. No.	Material	Length (cm)	Filter (µm)	Units/box	Price/box
064069	PP	8.6	45 - 90	200	N/A -
064070	PP amber	8.6	45 - 90	200	N/A -

FILTRATION

Universal columns

- Made of polypropylene
- 25 ml Reservoir
- Luer Lock compatible tip
- 3 porosities

Cat. No.	Volume (ml)	Length (cm)	Filter (µm)	Units/box	Price/box
064079	25	14	90 - 130	200	N/A -
064080	25	14	45 - 90	200	N/A -
064081	25	14	15 - 45	200	N/A -

Disposable mini-columns

Cat. No.	Volume (ml)	Length (cm)	Filter (µm)	Units/box	Price/box
064061	0.5	4.83	45 - 90	200	N/A -
064066	2.4	3.81	45 - 90	200	N/A -



VISKING dialysis membranes



- ▶ Semi-permeable
- ▶ Supplied flat as seamless tubes
- ▶ In regenerated cellulose
- ▶ Cut-off point: 12000, 3500, 7000 daltons
- ▶ Ph range of use: 2 to 12

Cat. No.	Cut-off point	ø (mm)	Width (mm)	V/L (ml/cm)	Length (m)	Price the roll
072002	12000	14.3	24 - 26	1.61	30	N/A -
072003	12000	15.9	25 - 27	1.99	30	N/A -
072004	12000	17.5	29 - 31	2.41	30	N/A -
072005	12000	19	31 - 33	2.84	30	N/A -
072006	12000	21.5	32 - 34	3.63	30	N/A -
072007	12000	23.8	39 - 41	4.45	30	N/A -
072008	12000	25.4	42 - 44	5.07	30	N/A -
072009	12000	28.6	43 - 45	6.43	30	N/A -
072001	12000	6.3	10	0.31	15	N/A -
072010	12000	31.7	50 - 54	7.89	15	N/A -
072011	12000	38.1	56 - 59	11.4	15	N/A -
072012	12000	44.4	67 - 71	15.49	15	N/A -
072013	12000	50.8	77 - 82	20.27	15	N/A -
072015	12000	63.5	101 - 107	31.67	15	N/A -
072016	12000	69.8	113 - 120	38.27	15	N/A -
072017	12000	82.5	129 - 137	53.46	15	N/A -
072018	12000	95.2	135 - 148	71.19	15	N/A -

Cat. No.	Cut-off point	ø (mm)	Width (mm)	V/L (ml/cm)	Length (m)	Price the roll
072019	12000	114.3	164 - 177	102.62	15	N/A -
072020	12000	139.7	199 - 216	153.30	15	N/A -
072023	3500	16	25	2.01	5	N/A -
072024	3500	22	34	3.80	5	N/A -
072025	3500	28	44	6.15	5	N/A -
072026	3500	35	55	9.62	5	N/A -
072027	7000	16	25	2.01	5	N/A -
072028	7000	22	34	3.80	5	N/A -
072029	7000	28	44	6.15	5	N/A -
072030	7000	35	55	9.62	5	N/A -

SPECTRA/POR membrane specification

Type	Biotech CR (regenerated cellulose)				Biotech EC (Cellulose esters)			
Appearance	See details below				Opaque, rigid			
Solvent resistance	Good				Medium			
Packaging	See details below				Wet with 0.1% sodium azide			
pH limits / Max temperature	2 to 12 / 60 °C				2 to 9 / 37 °C			
Biotech CR: details	Biotech CR 1	Biotech CR 2	Biotech CR 3	Biotech CR 4	Biotech CR 5	Biotech CR 6	Biotech CR 7	
Appearance	Transparent, flexible	Transparent, flexible	Transparent, flexible	Transparent, flexible	Thick, rigid	Transparent, flexible	Transparent, flexible	
Preservative	Glycerin	Glycerin	Glycerin	Glycerin	Glycerin	0.1 % azide sodium	0.1 % azide sodium	

SPECTRA/POR Float-A-Lyzer G2



Ready-to-use dialysis tubes.

- ▶ In 3 volumes: 1 ml, 5 ml and 10 ml
- ▶ With cellulose ester membrane for Biotech
- ▶ Easy to open and load
- ▶ Float on their own thanks to their cap
- ▶ Weighed down by a magnetic bar
- ▶ Delivered individually wrapped
- ▶ Kept wet with 0.1% sodium azide
- ▶ Ready to use after a simple rinse with water to remove sodium azide

▶ Applications

- ▶ Desalting
- ▶ Changing buffers
- ▶ Sample concentrations with the help of SPECTRA/GEL absorbent
- ▶ Protein Purification, DNA, oligonucleotides, peptides, polymers, antibodies or other biomolecules

SPECTRA/POR Float-A-Lyzer G2 - cellulose ester membrane

Cut-off point	1 ml	5 ml	10 ml
3.5 - 5 kDa	059341	059342	059343
8 to 10 kDa	059344	059345	059346
20 kDa	059347	059348	059349
100 kDa	059350	059351	059352
Price/ 12 units	N/A -	N/A -	N/A -

Volume	1 ml	5 ml	10 ml
Length (cm)	9	10	17
Membrane ø (mm)	5	16	16
Cap ø (mm)	36	36	36

SPECTRA/POR dry tubes in regenerated cellulose

SPECTRA-POR 1 Dialysis Tubes - Cut-off: 6000 to 8000.

Cat. No.	Width when flat (mm)	Vol./length (ml/cm)	ø inflated (mm)	Roll of	Price the roll
059009	10	0.32	6.4	15 m	N/A -
059010	23	1.68	14.6	30 m	N/A -
059011	32	3.26	20.4	30 m	N/A -
059012	40	5.09	25.5	30 m	N/A -
059013	50	7.96	31.8	30 m	N/A -
059014	100	31.83	67.3	15 m	N/A -
059015	120	45.84	76.4	15 m	N/A -

SPECTRA-POR 2 dialysis tubes

Cut-off point: 12000 to 14000. Thin wall that can reduce dialysis by 50%.

Cat. No.	Width flat (mm)	Vol./length (ml/cm)	ø inflated (mm)	Roll of	Price the roll
059024	10	0.32	6.4	15 m	N/A -
059025	25	1.99	15.9	15 m	N/A -
059026	45	6.45	28.6	15 m	N/A -
059027	100	31.83	63.7	15 m	N/A -

SPECTRA-POR 3 Dialysis Tubes - Cut-off: 3500.

Cat. No.	Width flat (mm)	Vol./length (ml/cm)	ø inflated (mm)	Roll of	Price the roll
059016	18	1	11.5	15 m	N/A -
059017	45	6.4	28.6	15 m	N/A -
059018	54	9.3	34	15 m	N/A -

SPECTRA-POR 6 Dialysis Tubes - Supplied wet in 0.1% sodium azide; chemically pre-treated to remove trace metals.

Width When flat	6 mm	12 mm	18 mm	24 mm	28 mm	32 mm	34 mm	38 mm	40 mm	45 mm	50 mm	54 mm	Price the 10 m roll
ø (mm)	3.8	7.5	11.5	15	18	20.4	22	29	25.5	29	35	34	
Vol./length (ml/cm)	0.1	0.45	1	1.8	2.5	3.3	3.7	4.6	5.1	6.4	8	6.4	

Filtration threshold

1000	-	-	059266	-	-	-	-	059267	-	059268	-	-	N/A -
2000	-	-	059269	-	-	-	-	059270	-	059271	-	-	N/A -
3500	-	-	059272	-	-	-	-	-	-	059273	-	059274	N/A -
8000	059275	059276	059277	059278	-	059279	-	-	059280	-	059281	-	N/A -
10000	059282	059283	059284	059285	-	059286	-	-	-	059287	-	-	N/A -
15000	059288	059289	059290	059291	-	059292	-	-	-	059293	-	-	N/A -
25000	059294	059295	059296	-	059298	-	059299	-	-	-	-	-	N/A -

SPECTRA-POR 7 Dialysis Tubes - Supplied wet in 1% sodium azide; treated with EDTA, free of sulphur and trace metals.

Width When flat	12 mm	18 mm	24 mm	28 mm	32 mm	34 mm	38 mm	40 mm	45 mm	50 mm	54 mm	Price the 5 m roll
ø inflated (mm)	7.5	11.5	15	17.8	20.4	21.6	24.2	25.5	28.6	31.8	34.4	

Filtration threshold

1000	-	059029	-	-	-	-	059030	-	059031	-	-	N/A -
2000	-	059033	-	-	-	-	059034	-	059035	-	-	N/A -
3500	-	059036	-	-	-	-	-	-	059037	-	059038	N/A -
8000	059039	-	059040	-	-	-	-	059041	-	059042	-	N/A -
10000	059043	-	059044	-	-	-	-	-	059045	-	-	N/A -
15000	059046	-	059047	-	059048	-	-	-	059049	-	-	N/A -
25000	059050	-	-	059051	-	059052	-	-	-	-	-	N/A -
50000	059053	-	-	059054	-	059055	-	-	-	-	-	N/A -

SPECTRA/POR Biotech Cellulose Ester Dialysis Tubes

- Ready to use: no pre-cleaning required
- Pure, moist, preserved in 0.05% EDTA
- Free of all heavy metals, sulphates, glycerols and contaminants

Width when flat (mm)		10	16	24
ø (mm)		6.4	10.2	15
Vol./length (ml/cm)		0.32	0.79	1.8
Cut-off point	1000	059085	059094	059102
	5000	059088	059097	059105
	10000	059089	059098	059106
	25000	059091	059099	059108
	50000	059092	059100	059109
	100000	059093	059101	059110
Price/ the 10 m roll		N/A -	N/A -	N/A -



SPECTRA-POR 4 Dialysis Tubes - Cut-off: 12000 to 14000.

Cat. No.	Width when flat (mm)	Vol./length (ml/cm)	ø inflated (mm)	Roll of	Price the roll
059019	10	0.32	6.4	30 m	N/A -
059020	25	2	15.9	30 m	N/A -
059021	32	3.2	20.4	30 m	N/A -
059022	45	6.4	28.6	30 m	N/A -
059023	75	17.9	47.7	15 m	N/A -



SPECTRA/POR Micro Float-A-Lyzer



Ready to use micro-volume dialysis tubes.

- In two volumes: 100 - 200 µl and 400 - 500 µl
- Cellulose ester membrane for Biotech
- Float on their own
- Easy to load with the syringe provided
- Dry preserved with glycerine

Volumes	100-200 µl	400-500 µl
Dim. (L x W x H) (mm)	45 x 19 x 44	45 x 19 x 63
Ø membrane (mm)	6.4	6.4
Filtration threshold	100-200 µl	400-500 µl
100 to 500 Da	059558	059565
500 to 1000 Da	059559	059566
3.5 to 5 kDa	059560	059567
8 to 10 kDa	059561	059568
20 kDa	059562	059569
50 kDa	059563	059570
100 kDa	059564	059571
Price/ 12 units	N/A -	N/A -

GeBAflex dialysis and electro-elution tube kits

For dialysis and buffer exchange protocols.

- Available in 3 vol.: Mini (10 - 250 µl), Midi (50 - 800 µl), and Maxi (0.1 - 3 ml)
- Ready to use, supplied with floating rack and user manual
- EDTA treated membrane, free of RNA, DNA, sulphide and heavy metals
- Retention threshold of 1 kDa to 50 kDa
- The solution to be treated can be deposited and retrieved with a standard micropipette tip



Retention threshold	Units/box	Kit GeBAflex Mini 10 - 250 µl		Kit GeBAflex Midi 50 - 800 µl		Kit GeBAflex Maxi 0.1 - 3 ml	
		Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
1 kDa	5	-	-	375008	N/A -	-	-
	100	-	-	375009	N/A -	-	-
3.5 kDa	10	-	-	375010	N/A -	-	-
	15	-	-	-	-	375016	N/A -
	50	-	-	375011	N/A -	375017	N/A -
	100	-	-	375012	N/A -	375018	N/A -
8 kDa	10	375005	N/A -	375013	N/A -	-	-
	15	-	-	-	-	375019	N/A -
	50	375006	N/A -	375014	N/A -	375020	N/A -
	100	375007	N/A -	375015	N/A -	375021	N/A -
14 kDa	10	375001	N/A -	-	-	-	-
	15	-	-	-	-	375022	N/A -
	50	375002	N/A -	-	-	375023	N/A -
	100	375003	N/A -	-	-	375024	N/A -
25 kDa	5	375004	N/A -	-	-	375025	N/A -
	100	-	-	-	-	375026	N/A -
50 kDa	15	-	-	-	-	375027	N/A -
	50	-	-	-	-	375028	N/A -
	100	-	-	-	-	375029	N/A -

Solutions for electro-elution

Cat. No.	Description	Vol. (ml)	No. of elutions with GeBAflex tube			Price
			Mini	Midi	Maxi	
375045	Precipitation reagent TCA 20	60	240	85	20	N/A -
375048		10	40	14	3	N/A -
375047	Kac 3M Precipitation Reagent	10	400	142	33	N/A -
375050		2	80	28	6	N/A -
375046	Solution buffer MS	10	400	142	33	N/A -
375049		2	80	28	6	N/A -

Elution rack for 4 GeBAflex tubes

Elution rack pr 4 GeBAflex tubes	GeBAflex Mini tubes	GeBAflex Midi tubes	GeBAflex Maxi tubes
Cat. No.	375030	375031	375032
Price	N/A -	N/A -	N/A -

Germination test papers



- Germination paper 160 g/m² (except 074153 which is 110 g/m²)
- Material: 100% cellulose
- Binder: synthetic additive
- Papers particularly suitable for seed germination according to the Neeb method
- In sheet or disk format

Cat. No.	Presentation	Dimensions (mm)	Units/box	Price/box
074140	Disc	Ø 50	100	N/A -
175215	Disc	Ø 85	50	N/A -
074142	Disc	Ø 90	100	N/A -
074143	Disc	Ø 130	50	N/A -
074145	Disc	Ø 55	100	N/A -
074146	Sheet	Ø 85	500	N/A -
074147	Sheet	175 x 155	100	N/A -
074148	Sheet	110 x 170	100	N/A -
074149	Sheet	105 x 190	100	N/A -
074150	Sheet	500 x 600	100	N/A -
074151	Sheet	690 x 450	100	N/A -
074152	Sheet	300 x 200	100	N/A -

Sealing clamp for dialysis tubings

- For totally safe closing of dialysis tubings
- Suits only for regenerated cellulose dialysis tubings
- Autoclavable

2 models:

- The standard clamp: endures a perfect seal thanks to its triple grooves;
- the weighted clamp: is equipped with a stainless steel weight to ensure the submersion and balance of the tube.

Cat. No.	Description	Width (mm)	Units/box	Price/box
059001	Standard clamps	12	10	N/A -
059002	Standard clamps	35	10	N/A -
059003	Standard clamps	75	10	N/A -
059004	Weighted clamps	12	10	N/A -
059005	Weighted clamps	23	10	N/A -
059006	Weighted clamps	35	10	N/A -
059007	Weighted clamps	55	10	N/A -



Universal Sealing Clamps

- Suitable for all types of membranes
- Tip: choose a clamp that is 4 to 10 mm longer than the flat width of the membrane

Width (mm)	50	70	110	150
White	059523	059528	059520	059533
Red	059524	059529	059521	059534
Yellow	059525	059530	059522	059535
Blue	060617	059531	-	-
Green	059526	059532	-	-
Black	059527	060631	-	-
Units/box	10	10	10	10
Price/box	N/A -	N/A -	N/A -	N/A -



ReadyLyzor dialysis tubing

Cat. No.	Maximum volume	MWCO (kDa)	Units/box	Price/box
115768	250 µl	6 - 8 kDa	10	N/A -
115769			30	N/A -
115770		10	N/A -	
115771	800 µl	12 - 14 kDa	30	N/A -
115772			5	N/A -
115773		3.5 kDa	10	N/A -
115774			30	N/A -
115775			10	N/A -
115776	3 ml	6 - 8 kDa	30	N/A -
115777			5	N/A -
115778		3.5 kDa	15	N/A -
115779			5	N/A -
115780		6 - 8 kDa	15	N/A -
115781			5	N/A -
115782		10 ml	12 - 14 kDa	15
115783	5			N/A -
115785	3.5 kDa		10	N/A -
115787			10	N/A -
115789	20 ml	6 - 8 kDa	10	N/A -
115784			10	N/A -
115786		1 kDa	5	N/A -
115788			10	N/A -
115790		10	N/A -	



Ready-to-use system for the dialysis of DNA, RNA and protein samples.

- Membrane pre-installed in a screw cap tube
- Ultra pure regenerated cellulose membrane with low retention
- Supplied with a float ring to hold the device in a vertical position
- 5 models available depending on the volume of the sample: 10 - 250 µl, 50 - 800 µl, 0.1 - 3 ml, 10 ml and 20 ml
- MWCO retention threshold 1 kDa, 3.5 kDa, 6 - 8 kDa, 12 - 14 kDa

