Membrane Filters

Selection Guide

Liquid	Aqueous	Tissue culture media, buffer	PES
		Protein filtration	PVDF
		Particle analysis, microbiology	MCE
		Solvent mixture	Nylon / PTFE
	Solvent	Non-polar (hydrophobic)	PTFE
		Polar (Hydrophilic)	Nylon
		Strong acid & alkali	PTFE
Air			PTFE









PES Membrane Filter



Features

· High asymmetric PES membrane
· Aqueous filtration
· Outstanding flow rates
· Lowest protein binding

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPES-1013	PES	13mm	0.1µm	100/600
MFPES-1025	PES	25mm	0.1µm	50/500
MFPES-1047	PES	47mm	0.1µm	50/300
MFPES-1090	PES	90mm	0.1µm	25
MFPES-10142	PES	142mm	0.1µm	25
MFPES-10293	PES	293mm	0.1µm	25
MFPES-2213	PES	13mm	0.22µm	100/600
MFPES-2225	PES	25mm	0.22µm	50/500
MFPES-2247	PES	47mm	0.22µm	50/300
MFPES-2290	PES	90mm	0.22µm	25
MFPES-22142	PES	142mm	0.22µm	25
MFPES-22293	PES	293mm	0.22µm	25
MFPES-4513	PES	13mm	0.45µm	100/600
MFPES-4525	PES	25mm	0.45µm	50/500
MFPES-4547	PES	47mm	0.45µm	50/300
MFPES-4590	PES	90mm	0.45µm	25
MFPES-45142	PES	142mm	0.45µm	25
MFPES-45293	PES	293mm	0.45µm	25

MCE Membrane Filter



Features

· For particle removal and environmental monitoring applications
· Available in a range of pore sizes
· Fastest flow rate

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFMCE-2247	Mixed Cellulose Ester	47mm	0.22µm	50/300
MFMCE-4547	Mixed Cellulose Ester	47mm	0.45µm	50/300
MFMCE-6547	Mixed Cellulose Ester	47mm	0.65µm	50/300
MFMCE-8047	Mixed Cellulose Ester	47mm	0.8µm	50/300

Nylon membrane Filter

Features

· Broad chemical compatibility and used for HPLC solvents
· Low extractables
· Recommended for DMSO filtration



Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFNY-2213	Nylon	13mm	0.22µm	100/600
MFNY-2225	Nylon	25mm	0.22µm	50/500
MFNY-2247	Nylon	47mm	0.22µm	50/300
MFNY-2290	Nylon	90mm	0.22µm	25
MFNY-22142	Nylon	142mm	0.22µm	25
MFNY-22293	Nylon	293mm	0.22µm	25
MFNY-4513	Nylon	13mm	0.45µm	100/600
MFNY-4525	Nylon	25mm	0.45µm	50/500
MFNY-4547	Nylon	47mm	0.45µm	50/300
MFNY-4590	Nylon	90mm	0.45µm	25
MFNY-45142	Nylon	142mm	0.45µm	25
MFNY-45293	Nylon	293mm	0.45µm	25
MFNY-50013	Nylon	13mm	5.0µm	100/600
MFNY-50025	Nylon	25mm	5.0µm	50/500
MFNY-50047	Nylon	47mm	5.0µm	50/300
MFNY-50090	Nylon	90mm	5.0µm	25
MFNY-500142	Nylon	142mm	5.0µm	25
MFNY-500293	Nylon	293mm	5.0µm	25

PTFE Membrane Filter

Features

· Naturally hydrophobic
· Broad chemical compatibility, pH range 1-14
· Solvent filtration
· Air/gas venting



Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPT-1013	Hydrophobic PTFE	13mm	0.1µm	100/600
MFPT-1025	Hydrophobic PTFE	25mm	0.1µm	50/500
MFPT-1047	Hydrophobic PTFE	47mm	0.1µm	50/300
MFPT-1090	Hydrophobic PTFE	90mm	0.1µm	25
MFPT-10142	Hydrophobic PTFE	142mm	0.1µm	25
MFPT-10293	Hydrophobic PTFE	293mm	0.1µm	25
MFPT-2213	Hydrophobic PTFE	13mm	0.22µm	100/600
MFPT-2225	Hydrophobic PTFE	25mm	0.22µm	50/500
MFPT-2247	Hydrophobic PTFE	47mm	0.22µm	50/300
MFPT-2290	Hydrophobic PTFE	90mm	0.22µm	25
MFPT-22142	Hydrophobic PTFE	142mm	0.22µm	25
MFPT-22293	Hydrophobic PTFE	293mm	0.22µm	25
MFPT-4513	Hydrophobic PTFE	13mm	0.45µm	100/600
MFPT-4525	Hydrophobic PTFE	25mm	0.45µm	50/500
MFPT-4547	Hydrophobic PTFE	47mm	0.45µm	50/300
MFPT-4590	Hydrophobic PTFE	90mm	0.45µm	25
MFPT-45142	Hydrophobic PTFE	142mm	0.45µm	25
MFPT-45293	Hydrophobic PTFE	293mm	0.45µm	25

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPTH-1013	Hydrophilic PTFE	13mm	0.1µm	100/600
MFPTH-1025	Hydrophilic PTFE	25mm	0.1µm	50/500
MFPTH-1047	Hydrophilic PTFE	47mm	0.1µm	50/300
MFPTH-2213	Hydrophilic PTFE	13mm	0.22µm	100/600
MFPTH-2225	Hydrophilic PTFE	25mm	0.22µm	50/500
MFPTH-2247	Hydrophilic PTFE	47mm	0.22µm	50/300
MFPTH-4513	Hydrophilic PTFE	13mm	0.45µm	100/600
MFPTH-4525	Hydrophilic PTFE	25mm	0.45µm	50/500
MFPTH-4547	Hydrophilic PTFE	47mm	0.45µm	50/300

PVDF Membrane Filter



Features

· Very low protein binding
· Low extractables
· Hydrophilic PVDF is ideal for protein filtration

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPVH-2225	Hydrophilic PVDF	25mm	0.22μm	50/500
MFPVH-2247	Hydrophilic PVDF	47mm	0.22μm	50/300
MFPVH-4525	Hydrophilic PVDF	25mm	0.45μm	50/500
MFPVH-4547	Hydrophilic PVDF	47mm	0.45μm	50/300
MFPV-2247	Hydrophobic PVDF	47mm	0.22μm	50/500
MFPV-4547	Hydrophobic PVDF	47mm	0.45μm	50/300

PVDF Transfer Membrane



Features

· Hydrophobic PVDF membrane
· Low background fluorescence for western blotting
· High binding capacity for biomolecules

Application

Pore size 0.45μm
· Target protein expressed over a broad dynamic range
· Wide range of molecular weights

Pore size 0.22μm
· Target protein <20 kDa
· Low-abundance target protein

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
3350YH-R2703	Hydrophobic PVDF	265mm*3.75m	0.2μm	1 roll
3350YH-F150	Hydrophobic PVDF	150mm*150mm	0.2μm	25 pcs
3350YH-F200	Hydrophobic PVDF	200mm*200mm	0.2μm	25 pcs
3350YH-F8470	Hydrophobic PVDF	84mm*70mm	0.2μm	50 pcs
TS2590H-R2703	Hydrophobic PVDF	265mm*3.75m	0.45μm	1 roll
TS2590H-F150	Hydrophobic PVDF	150mm*150mm	0.45μm	25 pcs
TS2590H-F200	Hydrophobic PVDF	200mm*200mm	0.45μm	25 pcs
TS2590H-F8470	Hydrophobic PVDF	84mm*70mm	0.45μm	50 pcs

PP Membrane Filter



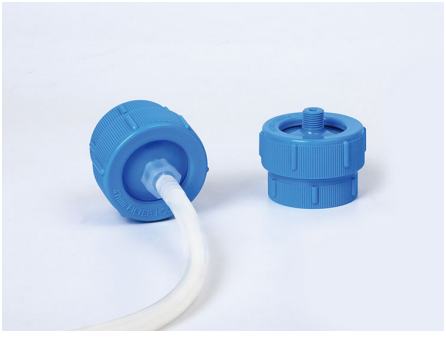
Features

· Broad range of pore size
· Compatible with aggressive solvents
· Prefilters have high dirt-holding capacity

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPP-2225	PP	25mm	0.22μm	50/500
MFPP-2247	PP	47mm	0.22μm	50/300
MFPP-2290	PP	90mm	0.22μm	25
MFPP-4525	PP	25mm	0.45μm	50/500
MFPP-4547	PP	47mm	0.45μm	50/300
MFPP-4590	PP	90mm	0.45μm	25
MFPP-10025	PP	25mm	1.2μm	50/500
MFPP-10047	PP	47mm	1.2μm	50/300
MFPP-10090	PP	90mm	1.2μm	25
MFPP-30025	PP	25mm	3μm	50/500
MFPP-30047	PP	47mm	3μm	50/300
MFPP-30090	PP	90mm	3μm	25
MFPP-50025	PP	25mm	5μm	50/500
MFPP-50047	PP	47mm	5μm	50/300
MFPP-50090	PP	90mm	5μm	25

PP Reusable Filter Holder



For filtration of small volumes of liquids using positive pressure

Specifications

Material	Polypropylene
Effective Filtration Area	13.8 cm^2
Membrane diameter	47mm
OD	60mm x 52mm
Inlet/Outlet	1/4" NPT thread; 1/4" NPT threaded male
O-ring	Silicone
Maximum Operating Pressure	0.5MPa @25℃

Ordering Information

Part No.	Description	Package
47FH-S	PP reusable filter holder accept a 47mm membrane filer	1pc/pk

Microbiology Testing

Sterile Gridded Membrane Filter



Features

- MCE, Hydrophilic PVDF membrane available
- Membrane filters are available with or without grid, individually, sterile packaged or non-sterile packaged
- Continuous packed membrane filters are designed for use in filter dispensers
- Consistent performance

Applications

- Colony counting
- Particle testing
- Microscopy

Technical Specifications

Pore size	0.2μm / 0.45μm
Coliform retention	100%
Recovery rate lot-released	≥90%

Order information

Part No.	Material	Diameter	Pore size	Package	Qty/pk (pcs)
MBWGM-2247S	MCE white /black grid	47mm	0.22μm	Individually packed	100
MBWGM-4547S	MCE white /black grid	47mm	0.45μm	Individually packed	100
MBWGM-2250S	MCE white /black grid	50mm	0.22μm	Individually packed	100
MBWGM-4550S	MCE white /black grid	50mm	0.45μm	Individually packed	100
MBWGM-2247SC	MCE white /black grid	47mm	0.22μm	Continuous packed	150
MBWGM-4547SC	MCE white /black grid	47mm	0.45μm	Continuous packed	150
MBMCE-2247S	White MCE	47mm	0.22μm	Individually packed	100
MBMCE-4547S	White MCE	47mm	0.45μm	Individually packed	100
MBMCE-2250S	White MCE	50mm	0.22μm	Individually packed	100
MBMCE-4550S	White MCE	50mm	0.45μm	Individually packed	100
MBWGM-2247	MCE white/black grid	47mm	0.22μm	Non-sterile	50
MBWGM-4547	MCE white/black grid	47mm	0.45μm	Non-sterile	50
MBWGM-2250	MCE white/black grid	50mm	0.22μm	Non-sterile	50
MBWGM-4550	MCE white/black grid	50mm	0.45μm	Non-sterile	50

Membrane Dispenser



Features

- Dispense sterile membranes with hands-free convenience
- Compact design and lightweight
- Reduces the risk of accidental contamination

Order information

Part No.	Description	Package
MD01AU	Membrane dispenser	1

Filtration Units

All-in-on Filters



Features

- Sterile by Gamma irradiation
- Single-Use filtration units featuring a Click-Fit closure
- Transparent funnel for easy monitoring of the filtration progress
- Easy handling

Materials

PP

Order information

Part No.	Membrane	Pore size	Volume	Package	Qty/pk (pcs)
A47V-GMC0022100	MCE white /black grid	0.22µm	100mL	Sterile in bags	5
A47V-GMC0045100	MCE white /black grid	0.45µm	100mL	Sterile in bags	5
A47V-GMC0022250	MCE white /black grid	0.22µm	250mL	Sterile in bags	5
A47V-GMC0045250	MCE white /black grid	0.45µm	250mL	Sterile in bags	5

Filter Funnels



Features

- Sterile by Gamma irradiation
- 100mL and 250mL available
- Use with 47mm membranes

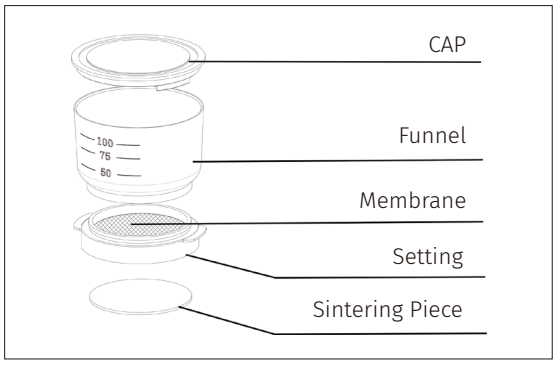
Order information

Part No.	Volume	Package	Qty/pk (pcs)
A47U-100	100mL	Sterile in bags	10
A47U-250	250mL	Sterile in bags	10

S58 Filters



Cobetter S58 filter funnels are used for bioburden testing and general microbiological analysis.



Features

- Sterile, ready-to-use
- 50mm sealed integral membrane filter
- Adapt to Milliflex vacuum pump

Materials

Funnel	PP
Lid	PETG

Order information

Part No.	Description	Membrane	Qty/pk (pcs)
S58-WGMCE0045P	Filter funnels sterile,100mL,white /black grid	MCE	1
S58-PVDF0045P	Filter funnels sterile,100mL,white /black grid	PVDF	1

SS Manifold



Features

- 100% Stainless steel for minimized cleaning effort
- Quick connection adapters
- Low working height for ergonomic working in laminar flow
- Autoclavable at 121°C for 30 min

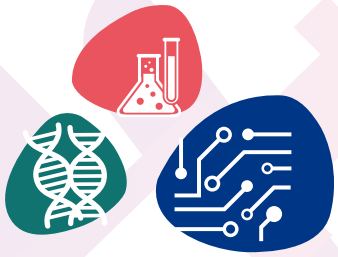
Applications

Microbiological quality control of liquid samples:

- Beverages (beer, wine, soft drinks, bottled water)
- Pharmaceutical analysis
- Environmental water testing (water monitoring)
- Cosmetics

Order information

Part No.	Description	Dimension (L × H × W)	Package
M301SS	3 branch manifold	474 × 120 × 98mm	1



Filtration
Separation
Purification

cobetter®
filtration

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