



MICROPUR SYRINGE FILTERS FOR HPLC, UHPLC & GC

from
65 €
per unit

- › **SUPERB QUALITY** – Made in Germany, certificate upon request
- › **PRODUCT VARIETY** – Different diameters and filter media
- › **ALL MEMBRANES** – With or without glass fibre prefilter
- › **SUITABILITY** – Excellent chemical resistance
- › **HIGH QUALITY HOUSING** – Robust polypropylene (PP) housing resistant against aggressive solvents, Inlet luer-lock on side of entry, luer exit (15mm with mini spike) autoclavable, ultrasonically sealed
- › **QUICK DELIVERY** – Directly from stock
- › **LOW PRICES** – Better value than other branded filters
- › **ORDER 24/7** – With a 2% online discount

Chemical compatibility

+ resistant - not resistant o limited resistance

SOLVENT	CA	RC	MCE	PA	PET	PES	PVDF	PTFE	H-PTFE	GF
Acetaldehyde	-	+	-	O	+	-	+	+	+	+
Acetic acid, 100 %	-	-	-	-	+	+	+	+	+	+
Acetone	-	+	-	+	+	-	-	+	+	+
Acetonitrile	-	+	-	+	+	+	+	+	+	+
Ammonia, 25 %	-	O	-	-	O	+	+	+	+	+
Benzene	+	+	+	+	+	+	O	+	+	+
n-Butanol	+	+	+	O	+	+	+	+	+	+
Cyclohexane	+	+	+	O	+	+	+	+	+	+
Dichlormethane	-	+	+	-	+	-	+	+	+	+
Diethyl ether	O	+	O	+	+	+	+	+	+	+
Dimethylformamide	-	O	-	+	+	-	-	+	+	+
1,4-Dioxane	-	+	-	+	+	-	O	+	+	+
Ethanol	+	+	-	+	+	+	+	+	+	+
Ethyl acetate	-	+	-	+	+	+	+	+	+	+
Ethylene glycol	O	+	O	+	+	+	+	+	+	+
Formic acid, 100 %	-	O	+	-	O	+	+	+	+	+
Hydrochloric acid, 30 %	-	-	-	-	-	+	+	+	+	+
Methanol	-	+	-	+	+	+	+	+	+	+
Nitric acid, 65 %	-	-	-	-	O	-	O	O	O	+
Oxalic acid, 10 % aqueous	-	+	+	-	+	O	+	+	+	+
Petroleum ether	+	+	+	+	+	+	+	+	+	+
Phosphoric acid, 80 %	-	O	-	-	+	-	O	+	+	+
Potassium hydroxide, 1 mol/L	-	O	-	+	O	O	O	+	+	O
2-Propanol	+	+	+	+	+	+	+	+	+	+
Sodium hydroxide, 1 mol/L	-	O	-	+	O	O	O	+	+	O
Tetrachloromethane	-	+	+	+	+	-	O	+	+	+
Tetrahydrofuran	-	+	-	O	+	-	+	+	+	+
Toluene	-	+	+	+	+	+	+	+	+	+
Trichlorethene	+	+	+	O	+	O	+	+	+	+
Trichlormethane (chloroform)	-	+	+	-	+	-	+	+	+	+
Urea	+	+	+	+	+	+	+	+	+	+
Water	+	+	+	+	+	+	+	+	+	+
Xylene	+	+	+	+	+	O	O	+	+	+

Materials and suitability

CELLULOSE ACETATE (CA)

- › Hydrophilic membrane
- › Very high shape stability in aqueous solutions
- › Extremely low binding capacity for proteins 21 µg/filter (with 25mm filter)
- › For filtration of water-soluble oligomers and polymers, especially suited for biological macromolecules

POLYETHERSULFON (PES)

- › Hydrophilic membrane
- › Very low adsorption for pharmaceuticals and proteins
- › Good stability against organic acids and bases
- › For aqueous and slightly organic liquids with higher flow rates
- › Binding capacity for proteins 29 µg/filter (with 25mm filter)
- › Mechanically very stable

POLYESTER (PET)

- › Hydrophilic multipurpose membrane
- › For polar as well as nonpolar solvents
- › Not cytotoxic
- › Available with integrated glass fibre prefilter (GF/PET), recommended for solutions with a high load of particulate matter

TEFLON (PTFE)

- › Hydrophobic membrane
- › For nonpolar liquids and gases
- › Very resistant towards all kinds of solvents, acids and bases
- › Flushing with alcohol, followed by water, makes the originally hydrophobic membrane temporarily more hydrophilic
- › Perfect for HPLC
- › High chemical inertness

HYDROPHILIZED TEFLON (H-PTFE)

- › Hydrophilic membrane
- › For polar as well as nonpolar solvents
- › Very resistant towards all kinds of solvents, acids and bases
- › Low protein binding, artifact-free analyses

POLYVINYLIDENE DIFLUORIDE (PVDF)

- › Hydrophilic membrane through surface modification
- › For polar and nonpolar solutions
- › Binding capacity for proteins 82 µg/filter (with 25mm filter)
- › Perfect for HPLC
- › High chemical inertness

REGENERATED CELLULOSE (RC)

- › Hydrophilic membrane with very low adsorption
- › For aqueous and organic/aqueous liquids (polar and medium polar sample solutions)
- › Binding capacity for proteins 84 µg/filter (with 25mm filter)
- › Perfect for biological samples
- › High chemical inertness
- › High flow rates
- › Available with integrated glass fibre prefilter

GLASS FIBRE (GF)

- › Inert filter
- › For solutions with high loads of particulate matter or for highly viscous solutions
- › As prefilters for other filters, they prevent plugging of the membrane

POLYAMIDE (PA)

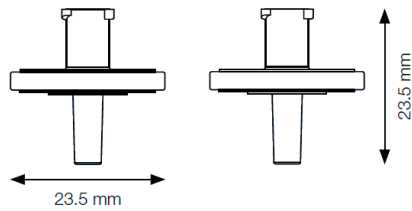
- › Rather hydrophilic membrane
- › For aqueous and organic/aqueous medium polar liquids
- › Resistant against many organic solvents
- › Not resistant against acids and bases
- › High retention of proteins

MIXED CELLULOSE ESTERS (MCE)

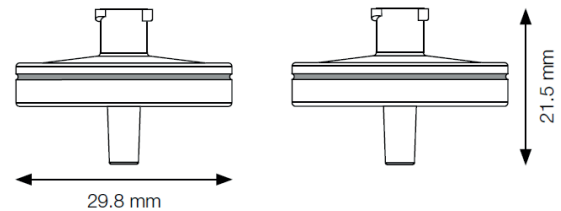
- › Hydrophilic membrane
- › Mixture of cellulose nitrate and cellulose acetate
- › For aqueous and slightly organic liquids
- › High flow rates
- › Low protein binding, suitable for biological samples
- › Sterile filtration and filtration of aqueous solutions

Choose the right filter for your sample

Chromafil® Filter 13 mm



Chromafil® Filter 25 mm



MEMBRANE	PORE SIZE	MEMBRANE DIAMETER			
		3mm	13mm	15mm	25mm
CA	0,2µm	-	AAFCA2013-100	AAFCA2015-100	AAFCA2025-100*
	0,45µm	-	AAFCA4513-100	-	AAFCA4525-100*
RC	0,2µm	-	AAFRC2013-100	AAFRC2015-100	AAFRC2025-100
	0,45µm	-	AAFRC4513-100	AAFRC4515-100	AAFRC4525-100
MCE	0,2µm	-	-	-	-
	0,45µm	-	-	-	AAFA4525-400
PA	0,2µm	AAFPA2003-100	AAFPA2013-100	AAFPA2015-100	AAFPA2025-100
	0,45µm	AAFPA4503-100	AAFPA4513-100	AAFPA4515-100	AAFPA4525-100
PET	0,2µm	-	AAFPET2013-100	AAFPET2015-100	AAFPET2025-100
	0,45µm	-	AAFPET4513-100	AAFPET4515-100	AAFPET4525-100
PES	0,2µm	-	-	-	AAFPEs2025-100
	0,45µm	-	-	-	AAFPEs4525-100
PVDF	0,2µm	-	AAFPVDF2013-100	AAFPVDF2015-100	AAFPVDF2025-100
	0,45µm	-	AAFPVDF4513-100	AAFPVDF4515-100	AAFPVDF4525-100
PTFE	0,2µm	AAFPTFE2003-100	AAFPTFE2013-100	AAFPTFE2015-100	AAFPTFE2025-100
	0,45µm	AAFPTFE4503-100	AAFPTFE4513-100	AAFPTFE4515-100	AAFPTFE4525-100
H-PFTE	0,2µm	-	AAFHPTFE2013-100	-	AAFHPTFE2025-400
	0,45µm	-	AAFHPTFE4513-100	-	AAFHPTFE4525-400
GF	0,2µm	-	AAFGF10013-100	-	-
	1,0µm	-	-	AAFGF10015-100	AAFGF10025-100
GF/PET	0,2µm	-	-	-	AAFPETGF2025-100
	0,45µm	-	-	-	AAFPETGF4525-100
GF/RC	0,2µm	-	-	-	AAFRCGF2025-100
	0,45µm	-	-	-	AAFRCGF4525-100
GF/PVDF	0,2µm	-	-	-	-
	0,45µm	-	-	-	AAFPVDFGF4525-100

*also available sterile, 50 pcs/pack