



La-Pha-Pack
OEM Solutions for Chromatography



Your reliable partner
for Chromatography Consumables

thermo
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13. Syringe filters

For successful chromatography sample preparation filtration is an important step. La-Pha-Pack syringe filters ensure best sample treatment in both eliminating particulates and microorganisms and providing consistent and reliable results. State of the art assembly processes – ultrasonic welding and overmolding ring (color coding) - are used to ensure safety even for high operating pressures resulting from use of small syringes.

Standard applications for the different membranes are standard HPLC samples/solvents – Nylon (PA) and

Cellulose Acetate (CA), standard GC samples/solvents – PTFE, UV spectrometry – PVDF, capillary electrophoresis – PES, high particulate load – Glass micro fibre (GMF, filters with GMF prefilter also available!), Protein analysis – PVDF-L, trace metals – PES.

Most filters can be used up to 100°C operating temperature **White line CA only 50°C** and they all can be sterilized. For further information regarding membrane specifications and applications please see the page 94 or www.la-pha-pack.com.



13.1 ProFill White Line Syringe filters

13.1.1 13mm Syringe filters

- For small sample volumes up to 5ml.
- Female Luer lock inlet, male Luer slip outlet.
- Ultrasonic welded, print of membrane type.
- Retention volume <20µl, operating pressure up to 12 bar.

ProFill White Line

Art. No.	13 16 2968	13 16 3651	13 16 2972	13 16 3652	13 16 2976	13 16 3653
Pore size	0.2µm					
Membrane	Nylon (PA)	Cellulose Acetate (CA)	PTFE (hydrophobic)	PTFE (hydrophilic)	PVDF-L (hydrophilic)	PES
Prefilter	GMF	PP	PP	PP	PP	PP
250 pcs. per PE-Bag						

Art. No.	13 16 2969	13 16 3654	13 16 2973	13 16 3655	13 16 2977	13 16 3656
Pore size	0.45µm					
Membrane	Nylon (PA)	Cellulose Acetate (CA)	PTFE (hydrophobic)	PTFE (hydrophilic)	PVDF-L (hydrophilic)	PES
Prefilter	GMF	PP	PP	PP	PP	PP
250 pcs. per PE-Bag						

13.1.2 25mm Syringe filters

- For sample volumes up to 100ml.
- Female Luer lock inlet, male Luer slip outlet.
- Ultrasonic welded, print of membrane type.
- Retention volume <100µl, operating pressure up to 12 bar.

Art. No.	25 16 2970	25 16 3657	25 16 2974	25 16 3658	25 16 2978	25 16 3659
Pore size	0.2µm					
Membrane	Nylon (PA)	Cellulose Acetate (CA)	PTFE (hydrophobic)	PTFE (hydrophilic)	PVDF-L (hydrophilic)	PES
Prefilter	PP	PP	PP	PP	PP	PP
250 pcs. per PE-Bag						

Art. No.	25 16 2971	25 16 3660	25 16 2975	25 16 3661	25 16 2979	25 16 3662
Pore size	0.45µm					
Membrane	Nylon (PA)	Cellulose Acetate (CA)	PTFE (hydrophobic)	PTFE (hydrophilic)	PVDF-L (hydrophilic)	PES
Prefilter	PP	PP	PP	PP	PP	PP
250 pcs. per PE-Bag						

ProFill White Line syringe filters with other dimensions or membranes than above mentioned, e.g. PVDF (hydrophobic) or Polypropylene (PP) are available upon request.

13.2 Syringe Filters with color code

13.2.1 17mm Syringe filters

- For small sample volumes up to 10ml.
- Female Luer lock inlet, male Luer slip outlet.
- Retention volume <0.029ml, Operating pressure up to 7.9bar.
- Injection moulded ring with color code, print of membrane type.



Art. No.	17 16 2076	17 16 2077	17 16 2078	17 16 2079	17 16 2080	17 16 2081	17 16 2082	17 16 2083
Pore size	0.2µm	0.45µm	0.2µm	0.45µm	0.2µm	0.45µm	0.2µm	0.45µm
Membrane	PTFE	PTFE	Regenerated cellulose (RC)	Regenerated cellulose (RC)	Nylon (PA)	Nylon (PA)	PVDF	PVDF
Prefilter	no	no	no	no	no	no	yes	yes
color code	blue	yellow	grey	brown	purple	green	black	red

100 pcs. per PE-Bag, add. packed in a blue PP-Box

13.2.2 25mm ProFill Syringe Filters



- Best option for laboratories using sample sizes from 1.5ml to 100ml.
- Retention volume >0.1ml, Operating pressure up to 5bar.
- Female Luer lock inlet, male Luer slip outlet.
- Ultrasonic welded housing with color code.



Art. No.	25 16 0346	25 16 0347	25 16 0348	25 16 0349	25 16 0350	25 16 0351
Pore size	0.2µm	0.45µm	0.2µm	0.45µm	0.20µm	0.45µm
Membrane	PTFE	PTFE	Regenerated Cellulose (RC)	Regenerated Cellulose (RC)	Nylon (PA)	Nylon (PA)
Prefilter	no	no	no	no	no	no
color code	green	natural	blue	yellow	bright blue	bright green

100 pcs. per PE-Bag, add. packed in a blue PP-Box

13.2.3 30mm Syringe filters

- Retention volume <0.137ml, Operating pressure up to 6.2bar.
- Female Luer lock inlet, male Luer slip outlet.
- Injection moulded ring with color code, print of membrane type.
- All listed filters have a Glass fibre prefilter for filtration of sample with high particulate load.



Art. No.	30 16 2086	30 16 2087	30 16 2088	30 16 2089
Pore size	0.2µm	0.45µm	0.2µm	0.45µm
Membrane	PTFE	PTFE	Regenerated Cellulose (RC)	Regenerated Cellulose (RC)
Prefilter	no	no	no	no
color code	blue	yellow	grey	brown

100 pcs. per PE-Bag, add. packed in a blue PP-Box



Art. No.	30 16 2090	30 16 2091	30 16 2092	30 16 2093	30 16 2094
Pore size	0.20µm	0.45µm	0.2µm	0.45µm	1.2µm
Membrane	Nylon (PA)	Nylon (PA)	PVDF	PVDF	GMF
color code	purple	green	black	red	orange

100 pcs. per PE-Bag, add. packed in a blue PP-Box