

**Syringe filter CHROMAFIL, Glass-fibre (GF)****MACHEREY-NAGEL****Syringe filter CHROMAFIL®, Glass-fibre (GF)**

CHROMAFIL® syringe filters are used for filtration of suspended matter from liquid samples. HPLC-Certification available on the internet

**Polypropylene housing**

Better solvent stability compared to acrylate and polystyrene filters

**Shells ultrasonically sealed, not glued**

No extractable components from glues

Filtration in both directions possible, the liquid cannot bypass the membranes

**Luer lock on side of entry**

Safe connection on the "high pressure" side

**Luer exit**

Standard luer for 3mm and 25mm filters, minispike luer with low dead volume and small OD for 15mm filters

**Deflector**

The stream of liquid is broken and distributed, and does not directly hit the membrane: this prevents rupture of the membrane

**Star-shaped distribution device**

The liquid is evenly distributed to the whole membrane surface: this results in a better utilisation of the total area; the filter is not rapidly clogged up; high flow efficiency

**Colour coded**

Filters with 0.2µm pores have a yellow upper housing, for filters with 0.45µm pores this is colourless; the different membrane types are distinguished by different colours

**Low dead volume**

~80µl for 25mm, 35µl for 15mm, 5µl for 3mm.

**Specifications**

The membrane housing consists of polypropylene (PP). This material is very resistant towards most solvents and has a very low extractable substances content. Thus it can be used with almost all solvents, acids and bases (see table). The especially thick rim of the housing is ideal for use



with laboratory robots (e.g. Benchmateä). Filter inlet and filter outlet can be fitted to the CHROMABOND® columns for selective sample preparation with the aid of a special adaptor. All filters can be autoclaved at 121°C and 1.1bar for 30min.

### **ChromafiläXtra:**

Labelled for method validation and certification. Colour-free plain polypropylene housing. Imprint for direct identification of the membrane type, diameter and pore size.

Inert Filter, nominal pore size 1µm, allows higher flow rates than smaller pore filters. For solutions with high loads of particulate matter or for highly viscous solutions (e. g. soil samples, fermentation broths) as prefilters for other CHROMAFIL® filters, they prevent plugging of the membrane.

Code	Description	Packaging
LLG07971495	Syringe filter CHROMAFIL®, Glass-fibre (GF), Type non sterile, Filter diam. 13 mm, Pore size 1 µm, Housing PP-colourless/labelled*	100 pz.
LLG04003423	Syringe filter CHROMAFIL®, Glass-fibre (GF), Type non sterile, Filter diam. 25 mm, Pore size 1 µm, Housing PP-colourless/labelled*	400 pz.
LLG06232362	Syringe filter CHROMAFIL®, Glass-fibre (GF), Type non sterile, Filter diam. 25 mm, Pore size 1 µm, Housing PP-colourless/labelled*	100 pz.



Code	Description	Packaging
LLG09049078	Syringe filter CHROMAFIL®, Glass-fibre (GF), Type non sterile, Filter diam. 25 mm, Pore size 1 µm, Housing PP-yellow/black	100 pz.
LLG09049077	Syringe filter CHROMAFIL®, Glass-fibre (GF), Type non sterile, Filter diam. 15 mm, Pore size 1 µm, Housing PP-blue/colourless1)	100 pz.



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