PRODUCT DATASHEET

Glass-Fibre Prefilter Syringe Filters

1.0 µm glass-fibre prefilter over a 0.22 or 0.45 µm membrane





DETAIL – 13 MM AND 25 MM FILTERS

OVERVIEW

The Tech Inc. Glass-Fibre Prefilter Syringe Filters stack a borosilicate glass-fibre prefilter on top of a PES, nylon, PTFE or PVDF membrane. The prefilter traps the bulk of the particles, so viscous or dirty samples pass without blocking the membrane.

MODELS AND CONFIGURATIONS

- **GF + PES** – aqueous and biological samples.
- **GF + nylon** – general HPLC samples.
- **GF + PTFE** – solvent samples.
- **GF + PVDF** – protein samples.

TYPICAL DESIGN DATA

Model series	TI-SF-GF-13 and TI-SF-GF-25
Membrane	A borosilicate glass-fibre depth prefilter stacked over a membrane
Pore sizes	1.0 µm glass fibre over 0.22 or 0.45 µm membrane
Diameters	13 and 25 mm
Filtration area	About 0.8 cm^2 (13 mm) and 4.5 cm^2 (25 mm)
Typical sample volume	Up to 10 mL (13 mm) and 100 mL (25 mm)
Hold-up volume	Below about 10 µL (13 mm) and 100 µL (25 mm)
Maximum pressure	About 5 bar
Housing	Polypropylene, Luer lock inlet, Luer slip outlet
Pack	100 per box

APPLICATIONS

Viscous and particle-laden samples, soil and food extracts, fermentation broths, dissolution testing and difficult HPLC samples.

KEY ADVANTAGES

- **Higher throughput** – more sample per filter
- **Less force** – easier hand filtration
- **Membrane choice** – four membrane options

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Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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