PRODUCT DATASHEET

PTFE Syringe Filters

PTFE membrane, 0.2, 0.45, 1.0 and 5.0 µm, 13 and 25 mm





DETAIL – 13 MM AND 25 MM FILTERS

OVERVIEW

The Tech Inc. PTFE Syringe Filters use a PTFE membrane, which resists almost every solvent, acid and base. Hydrophobic PTFE filters aggressive organic solvents and vents air and gases; hydrophilic PTFE filters aqueous and organic samples without pre-wetting.

MODELS AND CONFIGURATIONS

- **Hydrophobic PTFE** – organic solvents, air and gas venting.
- **Hydrophilic PTFE** – aqueous and organic samples without pre-wetting.
- **0.2 µm** – sterile gas and solvent filtration.
- **1.0 and 5.0 µm** – coarse clarification of viscous solvents.

TYPICAL DESIGN DATA

Model series	TI-SF-PTFE-13 and TI-SF-PTFE-25
Membrane	Polytetrafluoroethylene (PTFE)
Pore sizes	0.2, 0.45, 1.0 and 5.0 µm
Diameters	13 and 25 mm
Filtration area	About 0.8 cm² (13 mm) and 4.5 cm² (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

Aggressive organic solvents, strong acids and bases, HPLC samples in organic solvents, air and gas venting, and sterile gas filtration.

KEY ADVANTAGES

- **Universal compatibility** – resists almost all chemicals
- **Two versions** – hydrophobic and hydrophilic
- **Low extractables** – suits GC and HPLC

How to cite: PTFE Syringe Filters (model TI-SF; Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/ptfe-syringe-filters

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

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