PRODUCT DATASHEET

PVDF Syringe Filters

PVDF membrane, 0.22 and 0.45 µm, 13 and 25 mm





DETAIL – 13 MM AND 25 MM FILTERS

OVERVIEW

The Tech Inc. PVDF Syringe Filters have a hydrophilic PVDF membrane with low protein binding and wide solvent resistance. They handle aqueous and organic samples alike, which makes them a common choice for HPLC and LC-MS sample preparation and for protein solutions.

MODELS AND CONFIGURATIONS

- **0.22 µm** – UHPLC and LC-MS samples.
- **0.45 µm** – routine HPLC samples.
- **Sterile** – protein and biological solutions.
- **Hydrophobic PVDF** – air and gas venting on request.

TYPICAL DESIGN DATA

Model series	TI-SF-PVDF-13 and TI-SF-PVDF-25
Membrane	Hydrophilic polyvinylidene fluoride (PVDF)
Pore sizes	0.22 and 0.45 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

HPLC and LC-MS sample preparation, protein and peptide solutions, dissolution testing and mixed aqueous-organic samples.

KEY ADVANTAGES

- **Solvent and protein friendly** – one membrane for many sample types
- **Low binding** – high analyte recovery
- **Clean** – low extractables for MS detection

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

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

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.