PRODUCT DATASHEET

PES Syringe Filters

PES membrane, 0.1, 0.22 and 0.45 µm, 13 and 25 mm





DETAIL – 13 MM AND 25 MM FILTERS

OVERVIEW

The Tech Inc. PES Syringe Filters have a hydrophilic polyethersulfone membrane with very low protein binding and high flow, so aqueous samples pass quickly with little loss of protein or active ingredient. They are the first choice for sterile filtration of buffers, culture media and biological samples.

MODELS AND CONFIGURATIONS

- **0.22 µm sterile** – sterilising filtration of media, buffers and additives.
- **0.45 µm** – clarification of aqueous samples before analysis.
- **0.1 µm** – mycoplasma reduction and nanoparticle removal.
- **With glass-fibre prefilter** – turbid or protein-rich samples.

TYPICAL DESIGN DATA

Model series	TI-SF-PES-13 and TI-SF-PES-25
Membrane	Polyethersulfone (PES)
Pore sizes	0.1, 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

Sterile filtration of buffers and culture media, protein and enzyme solutions, dissolution testing, ion chromatography and aqueous HPLC samples.

KEY ADVANTAGES

- **High flow** – large aqueous volumes filter quickly
- **Low protein binding** – high recovery of proteins and drugs
- **Low extractables** – clean baselines in HPLC and IC

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