PRODUCT DATASHEET

MCE Syringe Filters

MCE membrane, 0.22, 0.45 and 0.8 µm, 13 and 25 mm





DETAIL – 13 MM AND 25 MM FILTERS

OVERVIEW

The Tech Inc. MCE Syringe Filters use a mixed cellulose esters membrane with a uniform pore structure and high porosity. They suit aqueous samples, clarification before ICP and AAS, and general biological filtration.

MODELS AND CONFIGURATIONS

- **0.22 µm** – aqueous sterilisation and clarification.
- **0.45 µm** – ICP and AAS samples.
- **0.8 µm** – prefiltration of loaded samples.
- **Sterile packs** – biological fluids.

TYPICAL DESIGN DATA

Model series	TI-SF-MCE-13 and TI-SF-MCE-25
Membrane	Mixed cellulose esters (MCE)
Pore sizes	0.22, 0.45 and 0.8 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

Aqueous sample clarification, ICP and AAS sample preparation, biological fluids and general laboratory filtration.

KEY ADVANTAGES

- **Uniform pores** – consistent retention
- **High porosity** – fast aqueous flow
- **Economical** – routine aqueous work

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

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