

25 mm/0.45 μm - Polyether Sulfone (PES) Syringe Filters

Part Number: 145-0047

Specification

- Increased throughput and speed of sample preparation.
- Lower hold-up volume due to an improved flow channel design and reduced spacing between the supports within the housing for better handling of small sample volumes or costly samples.
- Strict quality control: Syringe filters are integrity tested to ensure a proper filter fit and weld to eliminate any potential filter by-pass. Accurate labeling: Each filter is labeled with the specific filter material and pore size for easy identification even if the syringe filter is not in its original packaging.
- Modified acrylic housing to bidirectionally support the membrane allowing sample injection or aspiration.



Characteristics

Membrane Materials: Polyether Sulfone (PES)

Housing Diameter: 33 mm

Membrane Diameter: 25 mm

Effective Filtration Area: 4.6 cm²

Housing Materials: Acrylic, Polypropylene Ultrasonically welded

Inlet / Outlet: FLL / MLL-MLS

Holdup Volume: <100 microliter

Maximum Operating Temperature: PP Abluo - 90°C / 194°F, Acrylic Abluo 50°C / 122°F

Maximum Operating Pressure: 80 psi

Typical Applications

Analytical sample preparation, Biological fluids and Buffer solutions, Sterile filtering of tissue culture media, Protein aqueous solutions, Biofuel analysis, HPLC sample preparation, Pesticide testing Cannabis potency testing, Nutraceutical sample preparation.

SPECIFICATIONS

Product code	FJ25BNPPS004AD01
Description	Syringe filter membrane diameter 25 mm FLL/MLS PP Transparent membrane PES 0.45 µm (500 pcs)
Membrane diameter (mm)	25
Weight (g)	2.96
Membrane material	PES
Pore size (µm)	0.45
Pressure (bar)	5
Bubble point - typical (psi using water)	31
Housing diameter (mm)	33
Color	Transparent
Inlet / outlet	Female luer lock/Male luer slip
Typical water flow rate (ml/min at 15 psi & 23°C)	150
Effective filtration area (cm ²)	4.6 cm ²
Applications	Filtration of Alcohol Solutions; Analytical Sample Prep, HPLC; IC CHRO; Sterile Filtration; Clarification; Protein Chemistry; Cell Culture
Box quantity	500
Notes	Ideally for use in life science applications; Preparation of aqueous, biological or protein based solutions prior to chromatography or other instrument analyses; Accurate results for the most sensitive analysis of ionic species. Specifically designed for IC applications; Low drug and protein binding for pharmaceutical filtration; The 0.45 µm syringe filters are optimized for UHPLC sample preparation