

25 mm - ABLUO Syringe Filters

Part Number: 145-0056

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: PTFE

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

Buffer solutions

Sterile filtering of tissue culture media

Protein aqueous solutions

Biofuel analysis

HPLC sample preparation

Pesticide testing

Cannabis potency testing

Nutraceutical sample preparation

Packaging: 500 pcs per box

SPECIFICATIONS	
Product code	FJ25BNPPT004AD01
Description	Syringe filter diam.33 mm FLL/MLS PP Transparent member PTFE 0.45 µm
Membrane diameter (mm)	25
Weight (g)	2.96
Membrane material	PTFE
Pore size (µm)	0.45
Pressure (bar)	5
Bubble point - typical (psi using water)	11
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)	93
Effective filtration area (cm ²)	4.6 cm ²
Applications	PROT_ORG; Analytical Sample Prep, HPLC; GC Chromatography; Clarification; Venting and Gas Filtration; Fuel, Hydraulic Fluids & Machined parts
Box quantity	500
Notes	Preparation of organic solutions prior to chromatography or other instrument analyses; Exceptional chemical and temperature compatibility; Filtration of strong acids and aggressive solutions. Venting applications. Ideal for filtration of gas and/or HPLC organic solvents, aggressive solutions and small venting; Ultimate in chemical compatibility for filtering harsh chemicals that destroy other membrane materials; For solvents (acetone, dimethylformamide, DMSO....) or for aggressive aqueous liquids.