

## 25 mm - ABLUO Syringe Filters

### Part Number: 145-0058

### 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 Hydrophilic

**Housing Diameter:** 33 mm

**Membrane Diameter:** 25 mm

**Effective Filtration Area:** 4.6 cm<sup>2</sup>

**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                                      | FJ25BNPPH004AD01   |
| Description                                       | Syringe filter diam.33 mm FLL/MLS PP Transparent member PTFE Hydrophilic 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)          | 17   |
| 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) | 44   |
| Effective filtration area (cm2)                   | 4.6 cm2  |
| Applications                                      | PROT_ORG; Analytical Sample Prep, uHPLC; 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. |