

50 mm Sterilizing Filter

Positive pressure sterilizing filters are widely applicable to sterilizing filtration of aqueous solutions in biological laboratories, and can be used with a peristaltic pump, syringe or other positive pressure device.

JET BIOFIL's 50 mm sterilizing filter is suitable for removing microorganisms, particles, precipitates, and undissolved powders larger than 0.22 μm from aqueous solutions. This product has the stepped hose barb design that ensures stable connection between the filter and the hose. This product is made of 0.22 μm hydrophilic polyethersulfone (PES) membrane and can filter samples up to 8 L in volume. Its excellent filtration performance and reliable sterilization capability provide an efficient solution for the sterilizing filtration of liquids in biological laboratories.



Membrane diameter: 50 mm Membrane pore size: 0.22 μm Pattern: Two stepped barbs, filling bell
Materials:
Filter housing: Methyl methacrylate-butadiene-styrene (MBS) Filter Membrane: Hydrophilic polyethersulfone (PES)
Filling Bell: Polycarbonate (PC) Filling Bell Cap: Low-density polyethylene (LDPE) Conforming to USP Class VI standards

Features:

- ◆ The filter membrane is made of 0.22 μm hydrophilic polyethersulfone for high throughput and excellent filtration performance
- ◆ The products have an effective filtration area of up to 19.9 cm^2 , and can filter samples up to 3.8-8 L in volume
- ◆ Maximum operating temperature: 45°C
- ◆ Maximum inlet pressure: 3.3 bars (50 psi) at 25°C
- ◆ Typical water flow rate: 390 mL/min at 25°C under 15 psi
- ◆ It is designed with a filling bell avoiding liquid splashing and pollution
- ◆ Stepped hose barb design that ensures stable connection between the filter and the hose
- ◆ Filter surface with coding marks, clearly distinguish inlet and outlet
- ◆ Sterilized by irradiation, SAL 10^{-6} , DNase/RNase-free, Non-pyrogenic, Non-cytotoxic

Special Tips:

The test results show that the 50 mm sterilizing filters are suitable for most aqueous solutions, such as acetic acid (5%), aqueous buffer, cell media, Clorox® bleaching agent (5% solution), sodium hydroxide (10%), sulfuric acid (20%). The unlisted reagents should be tested for applicability before use.



Ordering Information:

Cat. No.	Description	Adaptive Tube Diameter	Membrane Pore Size (μm)	Membrane Diameter (mm)	Outer Diameter (mm)	Sterile	Qty. Per Bag	Qty. Per Case
FPE305050	PES membrane, two stepped barbs, filling bell	1/2 " -1/4 "ID	0.22	50	62	Y	1/10	1/10
FPE315050	PES membrane, two stepped barbs, without filling bell	1/2 " -1/4 "ID	0.22	50	62	Y	1/10	1/10

Before using this product, please read this Manual carefully and operate according to the instructions.

