

Syringe Filters



25 mm Sterile and Non-Sterile Syringe Filters

Meissner's 25 mm syringe filters are convenient, reliable, ready-to-use devices for scale-up evaluation and laboratory applications. The filters are available with SteriLUX® polyvinylidene fluoride (PVDF) and STyLUX® polyethersulfone (PES) membranes.

25 mm syringe filters can be used to evaluate Meissner membranes for eventual scale-up to Meissner capsules, cartridge filters, UltraCap® and UltraCap® H.D. (Heavy Duty) high capacity capsule filters. They can also be used for filtration of analytical samples.



General Design

- Polypropylene housing
- Sterile and non-sterile versions
- SteriLUX® PVDF membrane available in 0.2 µm and 0.4 µm
- STyLUX® PES membrane available in 0.2 µm and 0.4 µm
- Pore size is color coded and stamped on each filter
- Luer connections
- Biosafe, non-cytotoxic, non-pyrogenic

Typical Applications

- Serum & serum additives
- Growth media, additives & buffers
- Tissue and cell culture media & additives
- Protein solutions
- Monoclonal antibodies
- DNA solutions
- Antibiotics
- Biologicals
- Pharmaceutical preparations & intermediates
- Chromatography solutions
- Reagents

Specifications

Membrane Filter Material

SteriLUX® PVDF
STyLUX® PES

Pore Sizes

0.2 µm, 0.4 µm

Filter Disc Diameter

25 mm

Effective Filtration Area

4.1 cm²

Housing Material

Polypropylene

Color Coding

0.2 µm - Blue
0.4 µm - Yellow

Connections

Inlet: Female luer
Outlet: Male luer slip

Minimum Water Bubble Point

SteriLUX® membrane
0.2 µm 3,4 bar (50 psi)
0.4 µm 1,9 bar (28 psi)

STyLUX® membrane

0.2 µm 3,0 bar (44 psi)
0.4 µm 2,2 bar (32 psi)

Housing Liquid Hold-Up Volume

< 50 µL

Maximum Operating Pressure

6,9 bar (100 psi)

Maximum Operating Temperature

50 °C (122 °F)

Sterilization

Sterile filters: EtO sterilized
(Non-sterile filters are autoclavable.)

Packaging

Sterile: Individually blister-packed
Non-sterile: Bulk-packed

Biosafety

All materials are biosafe in compliance with USP Class VI Plastics biological reactivity tests and are non-cytotoxic.

Chemical Compatibility

SteriLUX® and STyLUX® 25 mm syringe filters are compatible with water and most aqueous solutions. Contact Meissner Technical Services (MTS) for specific chemical compatibilities.

Usage

25 mm syringe filters are intended for use in laboratory and research applications only.

Additional Product Offerings

Meissner manufactures a complete line of disc filters and holders, capsules, cartridges, UltraCap® and UltraCap® H.D. high capacity capsules, AccuFlux® integrity test instruments and 316L stainless steel housings.

Order Information

Filter Media	Pore Size (µm)		Sterile Options
VMH	0.2	— 25 — 1	S
SteriLUX® PVDF membrane = VMH	0.2		S = Sterile
STyLUX® PES membrane = SM	0.4		N = Non-Sterile