

SHIMSEN Syringe Filter



SHIMSEN Syringe Filter

Nylon | PTFE Hydrophilic | PTFE Hydrophobic | PES | MCE

- The Classic range is available in all of the major membranes including Nylon, PTFE, PES, and PVDF, which are supplied in 13mm, 25mm formats in medical polypropylene housings.
- High-grade filter membrane material to ensure filtration effect.

Nylon

The rather hydrophilic PA (polyamide / Nylon) membrane is for filtration of medium polar organic-aqueous liquids



380-00321



380-00322



380-00323



380-00324

Ref.No.	380-00321	380-00322	380-00323	380-00324
Description	13mm 0.22µm Nylon HPLC Syringe Filter	13mm 0.45µm Nylon HPLC Syringe Filter	25mm 0.22µm Nylon HPLC Syringe Filter	25mm 0.45µm Nylon HPLC Syringe Filter
100 pcs/pk.				

PTFE Hydrophilic (H-PTFE)

Hydrophilized polytetrafluoroethylene is used as membrane material. H-PTFE membrane is hydrophobic with additional hydrophilic characteristic . This product is very resistant towards all kinds of solvents as well as acids and bases. (PTFE/L imprint on filter)



380-00341



380-00342



380-00343



380-00344

Ref.No.	380-00341	380-00342	380-00343	380-00344
Description	13mm 0.22µm PTFE Hydrophilic HPLC Syringe Filter	13mm 0.45µm PTFE Hydrophilic HPLC Syringe Filter	25mm 0.22µm PTFE Hydrophilic HPLC Syringe Filter	25mm 0.45µm PTFE Hydrophilic HPLC Syringe Filter
100 pcs/pk.				

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■ PTFE Hydrophobic

The hydrophobic PTFE membrane is very resistant towards all kinds of solvents as well as acids and bases. Flushing with alcohol, followed by water, makes the originally hydrophobic membrane more hydrophilic. (PTFE imprint on filter)



380-00331



380-00332



380-00333



380-00334

Ref.No.	380-00331	380-00332	380-00333	380-00334
Description	13mm 0.22µm PTFE Hydrophobic HPLC Syringe Filter	13mm 0.45µm PTFE Hydrophobic HPLC Syringe Filter	25mm 0.22µm PTFE Hydrophobic HPLC Syringe Filter	25mm 0.45µm PTFE Hydrophobic HPLC Syringe Filter

■ PES

Inside the syringe filter polyethersulfone is used as membrane material. The hydrophilic PES membrane is suitable for aqueous and slightly organic liquids. This filter shows a good stability against acids and bases as well as a very low adsorption for pharmaceuticals and proteins.



380-00301



380-00302



380-00303



380-00304

Ref.No.	380-00301	380-00302	380-00303	380-00304
Description	13mm 0.22µm PES HPLC Syringe Filter	13mm 0.45µm PES HPLC Syringe Filter	25mm 0.22µm PES HPLC Syringe Filter	25mm 0.45µm PES HPLC Syringe Filter

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MCE

Cellulose mixed ester is used as membrane material. The hydrophilic MV membrane is suitable for aqueous or polar solutions



380-00311



380-00312



380-00313



380-00314

Ref.No.	380-00311	380-00312	380-00313	380-00314
Description	13mm 0.22µm MCE HPLC Syringe Filter	13mm 0.45µm MCE HPLC Syringe Filter	25mm 0.22µm MCE HPLC Syringe Filter	25mm 0.45µm MCE HPLC Syringe Filter



SHIMSEN Sterile Filter

PES | PES+GF Double Filter | CA | CA+GF Double Filter | PVDF

Sterile filtration is one of the various sterilization methods for liquids and can reduce the impact of the sterilization process on living components. Sterile filters are widely used in every field of life sciences.

Features

- Bacterial Challenge: LRV>7 (ATCC 19146, ASTM bacterial challenge test) for each lot of 0.2µm and 0.45µm products.
- Bacterial Endotoxin: < 0.25 EU/mL or < 2.15EU/device (LAL) for each lot of devices.
- Biosafety: Meets USP<88>Biological Reactivity test for Class VI Plastics.
- Each syringe filter lot QC tested for: Burst Pressure, BP, Flow rate.
- Each lot of filter funnels are tested for seal and membrane integrity.

■ PES

Inside the syringe filter polyethersulfone is used as membrane material. The hydrophilic PES membrane is suitable for aqueous and slightly organic liquids. This filter shows a good stability against acids and bases as well as a very low adsorption for pharmaceuticals and proteins.



Ref.No.	380-00305	380-00306	380-00307
Description	0.1µm, 13mm Sterile PES Syringe Filter 50 pcs/pk	0.22µm, 13mm Sterile PES Syringe Filter 50 pcs/pk	0.45µm, 13mm Sterile PES Syringe Filter 50 pcs/pk

Ref.No.	380-00308	380-00309
Description	0.1µm, 25mm Sterile PES Syringe Filter 50 pcs/pk	0.22µm, 25mm Sterile PES Syringe Filter 50 pcs/pk

Ref.No.	380-00310	380-00315	380-00316	380-00317
Description	0.45µm, 33mm Sterile PES Syringe Filter 50 pcs/pk	0.1µm, 33mm Sterile PES Syringe Filter 50 pcs/pk	0.22µm, 33mm Sterile PES Syringe Filter 50 pcs/pk	0.45µm, 33mm Sterile PES Syringe Filter 50 pcs/pk

SHIMSEN Sterile Filter

PES | PES+GF Double Filter | CA | CA+GF Double Filter | PVDF

■ PES+GF Double Filter

Combi syringe filters are recommended for solutions with a high load of particulate matter or for highly viscous solutions. These products combine a coarse glass fiber prefilter and a small-pore hydrophilic PES (polyethersulfone) membrane as main filter. It is suitable for aqueous and slightly organic liquids.

Ref.No.	380-00318	380-00319
Description	0.22µm, 33mm Sterile PES+GF double layer Syringe Filter 50 pcs/pk	0.45µm, 33mm Sterile PES+GF double layer Syringe Filter 50 pcs/pk

■ CA

The hydrophilic CA membrane (Cellulose acetate) is suitable for filtration of water-soluble oligomers and polymers, especially suited for biological macromolecules with very high shape stability in aqueous solutions. Extremely low binding capacity for proteins



Ref.No.	380-00327	380-00328
Description	0.22µm, 33mm Sterile CA Syringe Filter 50 pcs/pk	0.45µm, 33mm Sterile PES Syringe Filter 50 pcs/pk

SHIMSEN Sterile Filter

PES | PES+GF Double Filter | CA | CA+GF Double Filter | PVDF

■ CA+GF Double Filter

Combi syringe filters are recommended for solutions with a high load of particulate matter or for highly viscous solutions. These products combine a coarse glass fiber prefilter and a small-pore hydrophilic CA membrane (Cellulose acetate) membrane as main filter. It is suitable for filtration of aqueous solutions

Ref.No.	380-00329	380-00330
Description	0.22µm, 33mm Sterile CA+GF double layer Syringe Filter 50 pcs/pk	0.45µm, 33mm Sterile CA+GF double layer Syringe Filter 50 pcs/pk

■ PVDF

The hydrophilic PVDF membrane is suitable for filtration of 100 % aqueous samples, water-soluble oligomers and polymers like proteins. Extremely low binding capacity for proteins.



Ref.No.	380-00335	380-00336
Description	0.22µm, 33mm Sterile PVDF Syringe Filter 50 pcs/pk	0.45µm, 33mm Sterile PVDF Syringe Filter 50 pcs/pk



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