

NEW

We are excited to introduce
our latest product range

BORO PURE
Syringe Filter



Pure **PROTECTION**,
Precise **RESULTS**
for your chromatography

This syringe filter combines premium quality and economy, are designed for quick, efficient filtration of samples up to 100 ml volume. Filters are produced from polypropylene with standard inlet (female luer lock) and outlet (male luer) connections available in both sterile and non sterile.

Why?

BORO PURE

Syringe filters are engineered to efficiently remove fine particles and microorganisms, protecting chromatography columns from blockages and ensuring reliable, reproducible results every time.

Key Features :

- HPLC Certified for low extractable levels
- IC Certified for minimal inorganic contaminants
- Color-coded for easy membrane identification





Syringe filter unit Specification :

TYPE	FS 13mm	FS 25mm
Housing	Polypropylene	Polypropylene
Filtration area	1.3 cm ²	4.6 cm ²
Maximum pressure	100 psi(8.6 bar)	75 psi(5.2 bar)
Volume hold up with full housing air purge	50 ul approx	250 ul approx
Flow direction	Flow should entry from the inlet	Flow should entry from the inlet
Inlet connection	Female luer lock	Female luer lock
Outlet connection	Male luer lock	Male luer lock
Sterilization	Autoclave at 121 °C (max 131 °C) at 15 psi for 20 mins	Autoclave at 121 °C (max 131 °C) at 15 psi for 20 mins

Filter Type Available :

Nylon	Aqueous and Organic solutions
Hydrophobic PTFE	Aqueous and mild organic solvents
Hydrophilic PTFE	Organic Solvents
PES	High flow rate low extraction
PVDF	Aqueous and Organic solutions

Syringe Filter colour coding for easy identification



COLOUR	MEMBRANE	
PURPLE	NYLON	
BLUE	PVDF	
YELLOW	PTFE	
NEUTRAL	PES	

How to choose the correct Filter





for your chromatography application



1 Sample volume

1 to 10 ml
 13 mm
10 to 100 ml
 25 mm

2 Size and amount of particulate in the samples

Sample particle size	
< 0.5 µm	< 2.0 µm
HPLC column particle size	
> 3.0 µm	> 3.0 µm
	
Filter pore size 0.22 µm	Filter pore size 0.45 µm
	

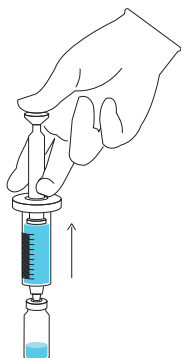
Membrane compatibility with sample type and technique

Sample Type	Technique
Standard HPLC sample/solvents	Nylon (NY) Polyvinylidene Fluoride (PVDF)
Standard GC samples/solvents	Polytetrafluoroethylene (PTFE)
UV Spectrometry	PVDF
Capillary electrophoresis	Polyethersulfone (PES)
Protein analysis	PVDF
Protein analysis	PVDF

Operation Steps :

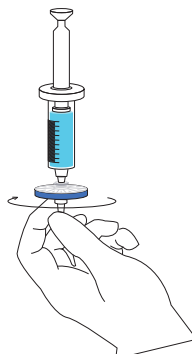
Step 1

Collect a sample from the vials



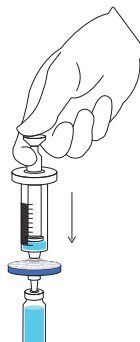
Step 2

Attach the syringe filter by twisting it clockwise



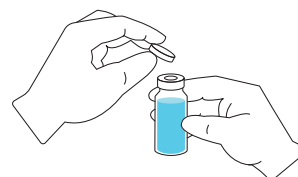
Step 3

Filter the sample by pushing it through the syringe filter



Step 4

Recap the vial and load it into the **autosampler**



SYRINGE FILTERS NYLON



BoroPURE nylon non-sterile syringe filter offers the following advantages:

- Works with a wide variety of solvents Offered in pore sizes of 0.20 µm and 0.45 µm, with two available diameters to meet specific application requirements
- Suitable for both aqueous and organic solutions, ensuring extensive chemical compatibility and versatility in the lab
- The polypropylene housing ensures minimal extractables and excellent overall chemical compatibility

Applications :

- Ideal for low volume aqueous solutions

SYRINGE FILTERS PVDF



BoroPURE (PVDF) non-sterile syringe filter offers the following advantages :

- Low protein binding to reduce sample interaction and optimize recovery.
- Suitable for both aqueous and mild organic solutions. High-density polyethylene housing provides minimal extractables and broad chemical compatibility.

Applications :

- Ideal for sample filtration prior to HPLC, HPLC and Mass Spec, solvent filtration.
- Protein based samples with high non-specific bonding
- Environmental water samples

SYRINGE FILTERS PES



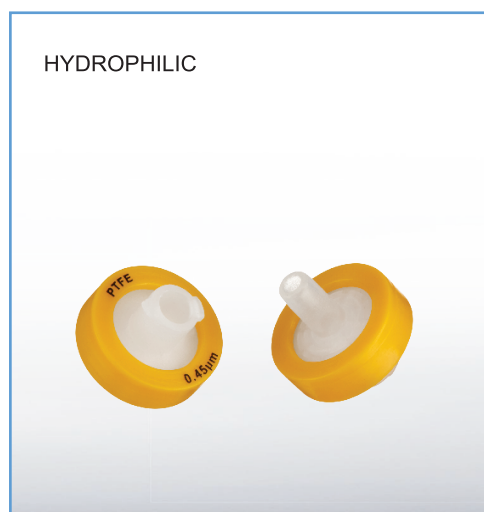
BoroPURE (PES) non-sterile syringe filter offers the following advantages

- Non-sterile BoroPURE syringe filters with a polyethersulfone (PES) membrane enable rapid filtration of aqueous and mild organic solutions
- They feature low protein binding to reduce sample interaction and enhance recovery
- The polypropylene housing ensures minimal extractable and broad chemical compatibility

Applications :

- IC sample preparation and analysis
- Dissolution testing

SYRINGE FILTERS PTFE (HYDROPHILIC)



HYDROPHILIC

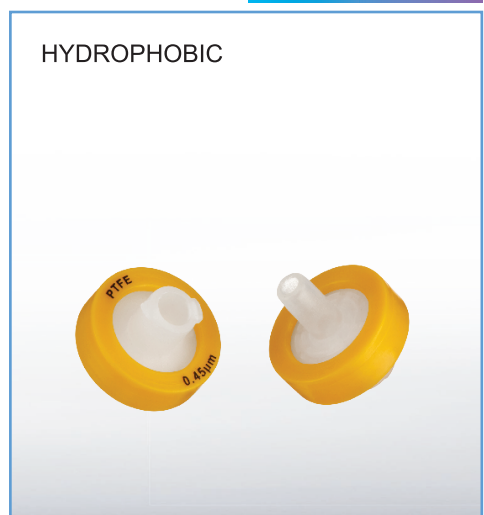
BoroPURE (Hydrophilic PTFE) Syringe Filter non-sterile offers the following advantages:

- Designed for the lowest extractable, ensuring minimal background interference in sensitive analysis such as UHPLC and LC-MS
- Suitable for filtering protein-containing, aqueous or organic solutions
- Available in 0.20 µm and 0.45 µm pore sizes, with three diameter options to meet specific application requirements

Applications :

- Sample filtration before UHPLC, HPLC and Mass Spectrometry
- Solvent filtration
- Clarification of aqueous and organic solutions

SYRINGE FILTERS PTFE (HYDROPHOBIC)



HYDROPHOBIC

BoroPURE (PVDF) syringe filter non-sterile offers the following advantages :

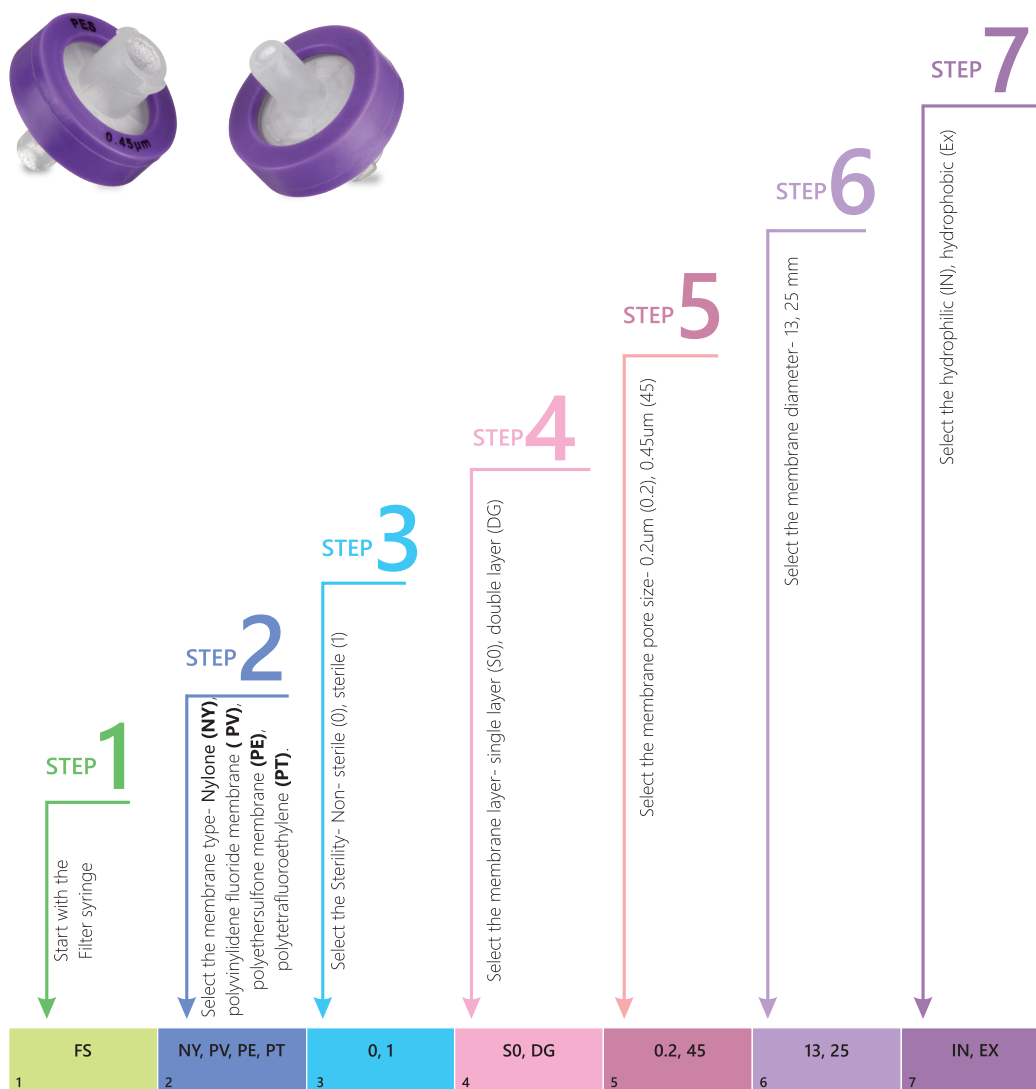
- Non Sterile BoroPURE hydrophobic PTFE syringe filter is a 25 mm filter with a male Luer-slip outlet, designed for venting and gas filtration, It is ideal for filtering organic solutions in the 10-100 milliliter (ml) range to remove particles before instrumental analysis
- Suitable for both aqueous and mild organic solutions. High-density polyethylene housing provides minimal extractables and broad chemical compatibility.

Applications :

- Ideal for filtering alcohols, concentrated acids and bases, as well as air or gases.

Easy ordering!!!

The 7 Digit Code



ORDERING INFORMATION :

Product Code	Membrane	Pore Size, μm	Diameter, mm	Pack Size in Pieces	Case lot
FSNYOS02213000	NYLON	0.2	13	100	5x100
FSNYOS02225000	NYLON	0.2	25	100	5x100
FSNYOS04513000	NYLON	0.45	13	100	5x100
FSNYOS04525000	NYLON	0.45	25	100	5x100

Sterile syringe filter Nylon available on request

Product Code	Membrane	Pore Size, μm	Diameter, mm	Pack Size in Pieces	Case lot
FSPVOS02213000	PVDF	0.2	13	100	5x100
FSPVOS02225000	PVDF	0.2	25	100	5x100
FSPVOS04513000	PVDF	0.45	13	100	5x100
FSPVOS04525000	PVDF	0.45	25	100	5x100

Sterile syringe filter PVDF available on request

Product Code	Membrane	Pore Size, μm	Diameter, mm	Pack Size in Pieces	Case Slot
FSPTOS022130IN	PTFE	0.2	13	100	5x100
FSPTOS022250IN	PTFE	0.2	25	100	5x100
FSPTOS045130IN	PTFE	0.45	13	100	5x100
FSPTOS045250IN	PTFE	0.45	25	100	5x100

Sterile syringe filter PVDF available on request

Product Code	Membrane	Pore Size, μm	Diameter, mm	Pack Size in Pieces	Case lot
FSPTOS022130EX	PTFE	0.2	13	100	5x100
FSPTOS022250EX	PTFE	0.2	25	100	5x100
FSPTOS045130EX	PTFE	0.45	13	100	5x100
FSPTOS045250EX	PTFE	0.45	25	100	5x100

Sterile syringe filter PTFE available on request

Product Code	Membrane	Pore Size, μm	Diameter, mm	Pack Size in Pieces	Case lot
FSPEOS04525000	PES	0.45	25	100	5x100

Sterile syringe filter PES available on request



CIN : U74999MH1991PLC061851

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