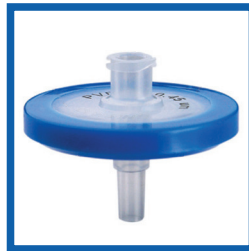
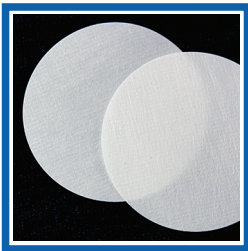




Laboratory Filtration



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Laboratory Filtration

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Sample filtration is a basic aspect to consider before approaching any analytical procedure: it allows to safeguard the instrument and get reliable and reproducible results.

CPS analitica offers a wide range of filtering membranes chemically compatible with organic and aqueous solvents that let extractable substance's level extremely low.

All our filters are manufactured and certified according to ISO 9001 : 2008, ISO 14001 : 2004 and passed migration tests in Water approved by FDA.



Hot Sellers



Sterile Syringe filters

- PES membrane with high flow rate;
- CA membrane with the lowest protein binding;
- Gamma-sterile compatible PP housing;
- 0.22µm for sterile filtration of cell culture media and buffers.

Hydrophilic PVDF Syringe Filter Hydrophilic PTFE Syringe Filter

- Aqueous and mild organic solutions
- Outstanding flow rates
- Ultra-low protein binding



For High Particulate Filtration

HP Syringe Filters

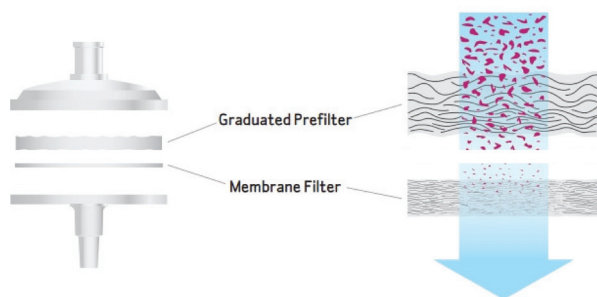
Application

HP syringe filters are ideal for heavily particulate-laden samples found in:

- Dissolution testing
- Concentration analysis
- Routine Sample preparation
- Food Analysis
- Environmental sampling

Features

- Graduated glass fiber prefilter, 0.7µm to 10µm
- Eliminates sample contamination
- Requires less hand pressure, even with the most difficult samples
- Process three to seven times more sample volume



Ordering Information

Cat. No.	Material	Pore Size (µm)	Diameter (mm)	Hold-up Volume (µL)	Qty/pk (pcs)
CPS-F-NY-HP-1320	GF prefilter, nylon	0.22	13	< 25	100
CPS-F-NY-HP-1345		0.45			
CPS-F-PS-HP-1320	GF prefilter, PES	0.22			
CPS-F-PS-HP-1345		0.45			
CPS-F-PVH-HP-1320	GF prefilter, Hydrophilic PVDF	0.22			
CPS-F-PVH-HP-1345		0.45			
CPS-F-PTH-HP-1320	GF prefilter, Hydrophilic PTFE	0.22			
CPS-F-PTH-HP-1345		0.45			
CPS-F-NY-HP-2520	GF prefilter, nylon	0.22	25	< 100	100
CPS-F-NY-HP-2545		0.45			
CPS-F-PS-HP-2520	GF prefilter, PES	0.22			
CPS-F-PS-HP-2545		0.45			
CPS-F-PVH-HP-2520	GF prefilter, Hydrophilic PVDF	0.22			
CPS-F-PVH-HP-2545		0.45			
CPS-F-PTH-HP-2520	GF prefilter, Hydrophilic PTFE	0.22			
CPS-F-PTH-HP-2545		0.45			

Sterile Syringe Filters

Filter type available

- Hydrophilic PVDF - Ultra low binding
- PES - High flow rate, low protein binding
- CA - Low protein binding and extractable



Ordering Information

Cat. No.	Material	Pore Size (µm)	Diameter (mm)	Hold-up Volume (µL)	Qty/pk(pcs)
CPS-F-PS-1320S	PES	0.22	13	< 25	100
CPS-F-PS-1345S		0.45			
CPS-F-PS-2520S		0.22	25	< 100	
CPS-F-PS-2545S		0.45			
CPS-F-PS-3320S	CA	0.22	33	< 125	
CPS-F-PS-3345S		0.45			
CPS-F-CA-1320S	CA	0.22	13	< 25	
CPS-F-CA-1345S		0.45			
CPS-F-CA-2520S		0.22	25	< 100	
CPS-F-CA-2545S					
CPS-F-CA-3320S	Hydrophilic PVDF	0.22	33	< 125	
CPS-F-CA-3345S		0.45			
CPS-F-PVH-1320S	Hydrophilic PVDF	0.22	13	< 25	
CPS-F-PVH-1345S		0.45			
CPS-F-PVH-2520S		0.22	25	< 100	
CPS-F-PVH-2545S					0.45
CPS-F-PVH-3320S	Hydrophobic PTFE	0.22	33	< 125	
CPS-F-PVH-3345S		0.45			
CPS-F-PT-2510S	Hydrophobic PTFE	0.1	25	< 100	
CPS-F-PT-2520S		0.22			
CPS-F-PT-2545S		0.45			
CPS-F-PT-3310S		0.1	33	< 125	
CPS-F-PT-3320S	0.22				
CPS-F-PT-3345S	0.45				

Features

- Provide the fastest flow rates, low protein binding and low low extractables
- Manufactured in accordance with ISO 9001 standards

Filter type Available

- Filtration of tissue culture media/buffers
- Biological sample preparation

For Ion Chromatography

IC Syringe Filters

IC syringe filters are specially designed for the preparation of sample for subsequent ion chromatography and HPLC analysis. These conform to quality release criteria for ion chromatography extractables.

Features

- Low binding membrane
- Low IC extractables
- Clarifies both aqueous and mild organic solutions
- Individually packaged to minimize the risk of ionic contamination

Specifications

Housing	HDPE
Material	Hydrophilic PTFE membrane / PES
Diameter	13 mm, 25 mm
Pore size	0.22 µm, 0.45 µm
Filtration area	13 mm, 0.65 cm ² / 25 mm, 3.9 cm ²
Sterilization	Non-sterile
Connection	Female Luer-Lok inlet / Male Luer slip outlet

Ion Extractable Levels

Ion	Level (µg/mL)
Cl	< 0.20
NO ₃ ⁻	< 0.20
SO ₄ ²⁻	< 0.50

Ordering Information

Cat. No.	Material	Pore Size (µm)	Diameter (mm)	Hold-up Volume (µL)	Housing	Qty/pk(pcs)
CPS-F-PTH-IC-1322	IC-Hydrophilic PTFE	0.22	13	< 25	HDPE	100
CPS-F-PTH-IC-1345			25	< 100		
CPS-F-PTH-IC-2522		0.45	25	< 100		
CPS-F-PTH-IC-2545						
CPS-F-PS-IC-1322	IC-PES	0.22	13	< 25		
CPS-F-PS-IC-1345			25	< 100		
CPS-F-PS-IC-2522		0.45	25	< 100		
CPS-F-PS-IC-2545						



For Sample Preparation

Syringe Filters

Syringe filters are ideal for preparing 1-100mL samples prior to chromatography or other instrumental analyses. The Overmolded design for higher operating pressure and faster filtration.

Filter Type Available

- Nylon - Aqueous and organic solutions
- RC - Fast flow and low protein binding
- Hydrophilic PTFE - Aqueous and mild organic solutions
- Hydrophobic PTFE - Organic solvents
- PES - High flow rate, low extractable
- MCE - Biologically inert, widely used membranes in analytical and research applications

Features

- HPLC Certified for Low Extractables
- IC Certified for Low Levels of Inorganic Extractables
- Color-coding for easy Identification

Specifications

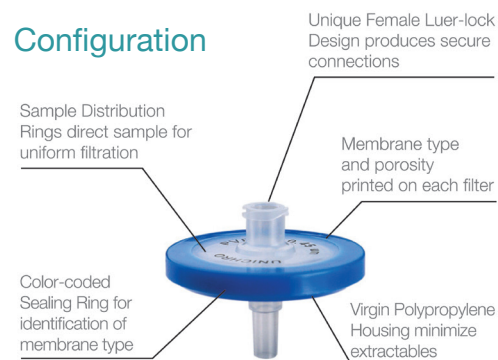
Housing Material	PP
Diameter	13 / 25 / 33 mm
Max. Operating Temp	45°C
Connection	Female Luer-Lock inlet Male Luer slip outlet

Ordering Information

Cat. No.	Material	Pore Size (µm)	Diameter (mm)	Hold-up Volume (µL)	Qty/pk (pcs)			
CPS-F-NY-1320 CPS-F-NY-1345	Nylon	0.22 0.45	13	<25	100			
CPS-F-PVH-1320 CPS-F-PVH-1345	Hydrophilic PVDF	0.22 0.45						
CPS-F-RC-1320 CPS-F-RC-1345	RC	0.22 0.45						
CPS-F-PTH-1320 CPS-F-PTH-1345	Hydrophilic PTFE	0.22 0.45						
CPS-F-PT-1320 CPS-F-PT-1345	Hydrophobic PTFE	0.22 0.45						
CPS-F-PS-1320 CPS-F-PS-1345	PES	0.22 0.45						
CPS-F-CS-1320 CPS-F-CA-1345	CA	0.22 0.45						
CPS-F-NY-2520 CPS-F-NY-2545	Nylon	0.22 0.45				25	<100	100
CPS-F-PVH-2520 CPS-F-PVH-2545	Hydrophilic PVDF	0.22 0.45						
CPS-F-RC-2520 CPS-F-RC-2545	RC	0.22 0.45						
CPS-F-PTH-2520 CPS-F-PTH-2545	Hydrophilic PTFE	0.22 0.45						
CPS-F-PT-2520 CPS-F-PT-2545	Hydrophobic PTFE	0.22 0.45						
CPS-F-PS-2520 CPS-F-PS-2545	PES	0.22 0.45						
CPS-F-CA-2520 CPS-F-CA-2545	CA	0.22 0.45						
CPS-F-NY-3320 CPS-F-NY-3345	Nylon	0.22 0.45	33	<125	100			
CPS-F-PVH-3320 CPS-F-PVH-3345	Hydrophilic PVDF	0.22 0.45						
CPS-F-RC-3320 CPS-F-RC-3345	RC	0.22 0.45						
CPS-F-PTH-3320 CPS-F-PTH-3345	Hydrophilic PTFE	0.22 0.45						
CPS-F-PT-3320 CPS-F-PT-3345	Hydrophobic PTFE	0.22 0.45						
CPS-F-PS-3320 CPS-F-PS-3345	PES	0.22 0.45						
CPS-F-CA-3320 CPS-F-CA-3345	CA	0.22 0.45						



Configuration



Disposable Venting Filter

Gamma irradiatable venting filter for single-use application

Disposable venting filter is designed for disposable bag manifolds and tubing system for biopharmaceutical industry.

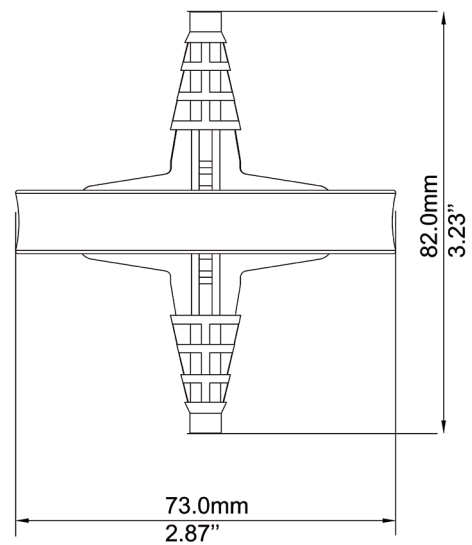
Features

- 100% integrity tested
- Manufactured under strict Japanese quality system
- All material passed USP Class VI



Specifications

Membrane	Hydrophobic PTFE
Support	Polyester
Housing	Polypropylene
Pore Size	0.2 μ m
Inlet/Outlet	1/4" to 1/2" hose barb
Filtration Area	19.6cm ²
Housing Diameter	74mm
Max. Operation Pressure	1.5bar



Disposable Venting Filter

Autoclaving vent filter for biopharmaceutical

Disposable venting filter is designed for disposable bag manifolds and tubing system for biopharmaceutical industry.

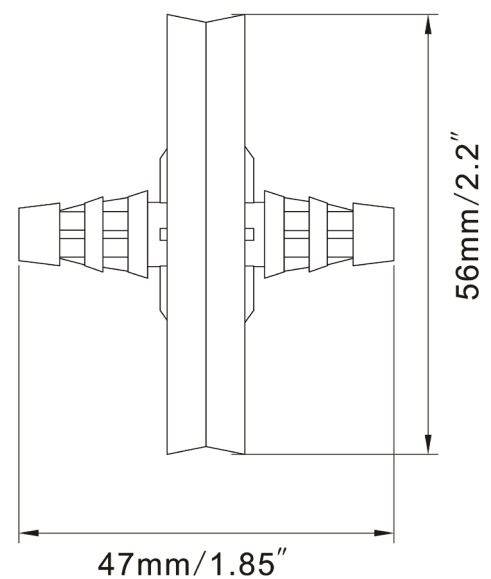
Features

- 100% integrity tested
- Manufactured under strict Japanese quality system
- Hydrophobic PTFE membrane
- All material passed USP Class VI



Specifications

Membrane	Hydrophobic PTFE
Support	Polypropylene
Housing	Polypropylene
Pore Size	0.2 μ m
Inlet/Outlet	1/4" to 3/8" hose barb
Filtration Area	13.8m ²
Housing Diameter	56mm
Bubble Point	\geq 0.11Mpa (60% IPA)
Max. Operation Pressure	0.2 Mpa @ 20°C



Membrane Filters



Nylon Membrane

- Broad chemical compatibility and commonly used HPLC solvents
- Low organic extractables
- Hydrophilic discs made of noncharged, unreinforced Nylon 66

Hydrophobic PTFE membrane

- Excellent air permeability, outstanding air flow rate
- Compatible with different sealing methods
- High flow rate
- Broad chemical compatibility

Hydrophilic PTFE membrane

- Compatible with all commonly used HPLC solvents
- High flow rate with minimal aqueous extractable (<0,3 wt %)
- Unsupported membrane

PES membrane

- High asymmetric PES membrane
- Outstanding flow rates
- Lowest protein binding
- Sterilization compatibility autoclave, ethylene oxide, gamma irradiation

MCE membrane

- Versatile filter for biological environmental monitoring applications
- Available in a range of pore size, colored black or white, with or without a gridded surface
- Compatible with ethylene oxide, gamma irradiation and autoclave sterilization methods
- Biologically inert with good thermal stability

Hydrophilic PVDF membrane

- Outstanding flow rates
- Extremely low protein binding
- Low extractable
- Sterilization compatibility autoclave, ethylene oxide, gamma irradiation

PP membrane

- High particle retention, low pressure drop
- Compatible with aggressive solvents
- Prefilters have high dirt-holding capacity

Glass fiber membrane

- Use in biochemical applications
- Liquid clarification, quantification of solids in suspensions of fine particles
- Filtering extremely fine precipitates such as protein, nucleic acids or serum precipitates

Availability (depending on membrane type)

- Diameter from 13 mm to 293 mm
- Pore Size from 0,1 um to 5,0 um

Plastic Syringes

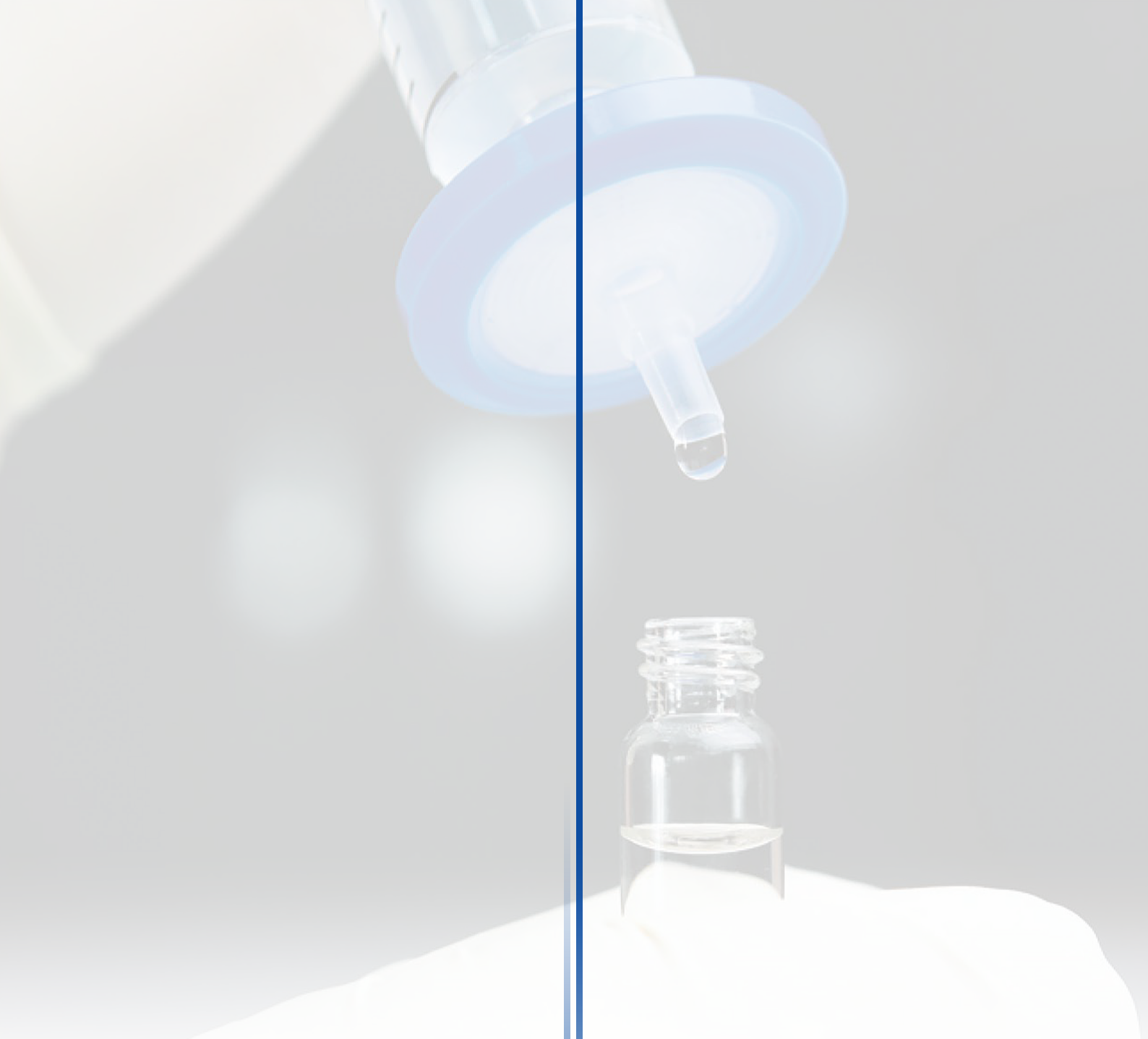
Single-use syringes recommended by the Chromatography Institute of America for use in high performance liquid chromatography (HPLC). Use of proven raw materials and an integrated clean room production process ensure that our single-use syringes are inert and chemically stable.

- Tested for 16 of the most commonly used solvents and solutions
- Recommended by independent institutes for use in normal and reversed HPLC sample preparations
- Inert single use syringe
- Silicone oil free
- No metal, all plastic design
- Smooth flow, tight, high transparency barrel
- No rubber, styrene or DEHP
- Latex and silicone-oil-free
- Pyrogen-free, PVC-free, non-toxic
- Available in Luer and Luer Lock



Ordering Information

Cat. No.	Description
CPS-S-LL2ML	CPS 2 ml Luer Lock Disposable Syringe Inert Polypropylene (non sterile) - 200 pk.
CPS-S-LL5ML	CPS 5 ml Luer Lock Disposable Syringe Inert Polypropylene (non sterile) - 200 pk.
CPS-S-LL10ML	CPS 10 ml Luer Lock Disposable Syringe Inert Polypropylene (non sterile) - 200pk.
CPS-S-LL20ML	CPS 20 ml Luer Lock Disposable Syringe Inert Polypropylene (non sterile) - 200 pk.
CPS-S-LS2ML	CPS 2 ml Luer Slip Disposable Syringe Inert Polypropylene (non sterile) - 200 pk.
CPS-S-LS5ML	CPS 5 ml Luer Slip Disposable Syringe Inert Polypropylene (non sterile) - 200 pk.
CPS-S-LS10ML	CPS 10 ml Luer Slip Disposable Syringe Inert Polypropylene (non sterile) - 200 pk.
CPS-S-LS20ML	CPS 20 ml Luer Slip Disposable Syringe Inert Polypropylene (non sterile) - 200 pk.



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