

mdi hydrophilic PVDF membrane syringe filters type SYVF are specially designed for small volume filtration and sample preparation. A unique 16-channel design ensures maximum flow rates and throughputs.

PVDF syringe filters are HPLC certified and validated for retention efficiency, extractables, fitment and burst pressure.

These syringe filters are produced with validated processes and QA/QC systems to ensure interlot as well as intralot consistency.

Special Features

- Absolute retention efficiency
- Wide chemical compatibility
- Hydrophilic with no pre-wetting required
- Extremely low extractables
- HPLC Certified
- High throughputs
- High flow rates
- Low hand pressure

Applications

- Sample filtration for HPLC and other critical instruments
- Filtration of organic solvents and chemicals



Recommended Sample Volume

4mm	13mm	25mm
<1ml	<10ml	<100ml

Ordering Information

Type	
	Code
PVDF Membrane Syringe Filter	SYVF

Size	
	Code
4mm	01
13mm	03
25mm	06

Pore Size	
	Code
0.1µm	36
0.2µm	01
0.45µm	02
1µm	05
1.2µm	10

Inlet/Outlet	
	Code
Female Luer Lock	M
Male Luer Slip	N

XX

Sterility	
	Code
Non Sterile	1

Pack Size	
	Code
100	04
1000	06

Example:

SYVF	06	02	MN	XX	1	04
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Special Features

Materials of Construction

Housing	Polypropylene
Filter Media	PVDF Membrane

Pore Size

0.1 µm, 0.2 µm, 0.45 µm, 1 µm, 1.2 µm

Inlet/Outlet Connections

Inlet: Female luer lock
Outlet: Male luer slip

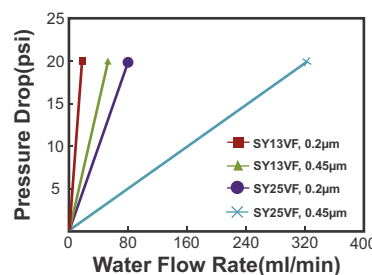
Burst Pressure (13mm/25mm)

>14kg/cm²

Typical Hold-up Volume(with air purge)

4mm	13mm	25mm
<5µl	<20µl	<50µl

Water Flow Rates



Maximum Operating Temperature

55 °C

Maximum Operating Pressure

75 psi @ 25° C

Fiber Release

Complies with USFDA CFR Title 21, Part 210.3(b)(6) and do not requires any initial flushing

Particle Release

The filtrate complies with USP <788> test for particulate matter in injections

Extractables

- Filtrate (WFI) complies with the requirements of USP for "Sterile Water for Injection".
- The plastic housing material complies with the requirements of USFDA CFR Title 21 Part 177.1520

HPLC Certified

Every lot of PVDF Membrane syringe filters is tested and certified for use in HPLC applications

Oxidizable Matter

Passes test as per USP <1231>