

PVDF SYRINGE FILTERS

Recommended sterilization of aqueous solutions and mild organic solutions

- Incorporate polyvinylidene fluoride (PVDF) membrane fixed without adhesive to a polypropylene housing.
- Hydrophilic
- Low adsorption
- Low levels of UV-absorbing extractables
- Compatible with a wide variety of solvents, even with aggressive acids and alcohols
- Up to 100 ml of sample
- Pore size 0.20 μm and 0.45 μm
- Sterilization by autoclaving at 121 °C and ethylene oxide

Technical specifications:

Material filter	PVDF	
Material housing	Polypropylene	
Pore	0.2	0.45
Flow rate (1) ml/min	5	26
Bubble point (bar)	2.3	1.1
Filter diameter (mm)	24	24
Housing Diameter (mm)	33	33
Filter area (cm ²)	4.5	4.5
Hold up volumen after bubble point (ml)	< 1	< 1
Connectors	Female luer lock inlet Male luer slip outlet	
Max. operational pressure (bar)	5	5
Burst pressure (bar)	6	6

(1) Flow rate for water at $A_p = 13.5 \text{ bar}$ (100kPa, 14.5 psi)

Applications:

- Sterilization of aggressive and non aggressive solvent-based mobile phase.
- Particulate removal

Ordering information :

		NON-STERILE	
		pore	
\emptyset	Units	0.20 μm	0.45 μm
25 mm	100	JPV02025100	JPV04525100
	500	JPV02025500	JPV04525500

		STERILE	
		pore	
\emptyset	Units	0.20 μm	0.45 μm
25 mm	50	JPVS0202550	JPVS0452550