

VertiPure™ PVDF Syringe Filters

VertiPure™ PVDF Syringe Filters

- Filtration of all aqueous and most solvent based samples
- General filtration of biological samples
- Available in 4mm, 13mm, 17mm and 25mm diameter membranes
- Includes QC certificate for leakage and extractables

VertiPure™ PVDF (Polyvinylidene Fluoride) is hydrophilic, low UV absorbing extractables and highly resistance to most solvents and low protein binding. VertiPure™ PVDF ideals for filtration of all aqueous or most solvent based samples and biological samples.



Filtration

VertiPure™ PVDF Syringe Filters			
Size	Pore Size	QTY.	Part No.
4mm	0.2 µm	100	0200-3101
		500	0200-3105
		1000	0200-3110
	0.45 µm	100	0200-3301
		500	0200-3305
		1000	0200-3310
13mm	0.2 µm	100	0201-3101
		500	0201-3105
		1000	0201-3110
	0.45 µm	100	0201-3301
		500	0201-3305
		1000	0201-3310
17mm	0.2 µm	100	0202-3101
		500	0202-3105
		1000	0202-3110
	0.45 µm	100	0202-3301
		500	0202-3305
		1000	0202-3310
25mm	0.2 µm	100	0203-3101
		500	0203-3105
		1000	0203-3110
	0.45 µm	100	0203-3301
		500	0203-3305
		1000	0203-3310

VertiPure™ PVDF Syringe Filter Specifications				
Properties	Diameter (mm)			
	4	13	17	25
Bubble point ¹ (psi)	0.2 µm	45		
	0.45µm	30		
Typical Flow rate ² (mL/min/cm ²)	0.2 µm	22		
	0.45µm	48		
Housing	4mm	Polypropylene		
Material	13-25mm	Pigment-free Polypropylene		
Connector (inlet/outlet)	Female Luer Lock/Male Luer Slip			
Burst Pressure ³ (psi)	75	100	100	100
Retain Volume ⁴ (µL)	8	30	45	120
Sample Volume (mL)	2	6	40	70
Packaging	4, 13, 17mm	PP Thread Bottle		
	25mm	Corrugated Box		

¹ Bubble point is the minimum pressure required to force air through a membrane which has been prewet with water.
² Flow rate is initial flow rate at 10 psi using water.
³ Burst pressure is the maximum pressure to force air through a closed outlet end housing.
⁴ Retention volume is a volume of solvent retained inside the housing.

VertiPure™ PVDF Syringe Filters with GMF Prefilter			
Size	Pore Size	QTY.	Part No.
13mm	0.2 µm	100	0201-3201
		500	0201-3205
		1000	0201-3210
	0.45 µm	100	0201-3401
		500	0201-3405
		1000	0201-3410
17mm	0.2 µm	100	0202-3201
		500	0202-3205
		1000	0202-3210
	0.45 µm	100	0202-3401
		500	0202-3405
		1000	0202-3410
25mm	0.2 µm	100	0203-3201
		500	0203-3205
		1000	0203-3210
	0.45 µm	100	0203-3401
		500	0203-3405
		1000	0203-3410