

# VertiPure™ PVDF-HL Syringe Filters

## VertiPure™ PVDF-HL 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 Certificate of Analysis for leakage, extractables and particle size distribution

VertiPure™ PVDF-HL (Hydrophilic polyvinylidene fluoride) is 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.

VertiPure™ PVDF-HL Syringe Filter with 1.0µm Glass Microfilter Prefilter offers excellent for filtration of viscous or particle laden samples without clogging.



Specifications		Diameter(mm)			
Properties		4	13	17	25
Bubble point <sup>1</sup> (psi)	0.2µm	45			
	0.45µm	30			
Typical Flow rate <sup>2</sup> (mL/min/cm <sup>2</sup> )	0.2µm	22			
	0.45µm	48			
Membrane Material	Hydrophilic polyvinylidene fluoride				
Housing Material	Pigment-free Polypropylene				
Connector (inlet/outlet)	Female Luer Lock/Male Luer Slip				
Burst Pressure <sup>3</sup> (psi)	75	100	90	80	
Retain Volume <sup>4</sup> (µL)	10	30	45	125	
Sample Volume(mL)	2	10	30	150	
Packaging	4, 13, 17mm	PP Thread Bottle			
	25mm	Corrugated Box			

<sup>1</sup> Bubble point is the minimum pressure required to force air through a membrane which has been prewet with water.

<sup>2</sup> Flow rate is initial flow rate at 10psi using water.

<sup>3</sup> Burst pressure is the maximum pressure to force air through a closed outlet end housing.

<sup>4</sup> Retention volume is a volume of solvent retained inside the housing.

Filtration

Ordering Information			
Size	Pore Size	QTY	Part No.
<b>VertiPure™ PVDF-HL Syringe Filters with 1.0µm GMF Prefilter</b>			
13mm	0.2µm	100	0201-3201
		500	0201-3205
		1000	0201-3210
	0.45µm	100	0201-3401
		500	0201-3405
		1000	0201-3410
17mm	0.2µm	100	0202-3201
		500	0202-3205
		1000	0202-3210
	0.45µm	100	0202-3401
		500	0202-3405
		1000	0202-3410
25mm	0.2µm	100	0203-3201
		500	0203-3205
		1000	0203-3210
	0.45µm	100	0203-3401
		500	0203-3405
		1000	0203-3410

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