

VertiPure™ PES Syringe Filters

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

VertiPure™ PES (Polyethersulfone) is hydrophilic, limited solvent resistance, low protein binding and good flow rate characteristics. VertiPure™ PES ideals for aqueous based samples and biological samples.



Filtration

VertiPure™ PES Syringe Filters			
Size	Pore Size	QTY.	Part No.
4mm	0.2 µm	100	0200-6101
		500	0200-6105
		1000	0200-6110
	0.45 µm	100	0200-6301
		500	0200-6305
		1000	0200-6310
13mm	0.2 µm	100	0201-6101
		500	0201-6105
		1000	0201-6110
	0.45 µm	100	0201-6301
		500	0201-6305
		1000	0201-6310
17mm	0.2 µm	100	0202-6101
		500	0202-6105
		1000	0202-6110
	0.45 µm	100	0202-6301
		500	0202-6305
		1000	0202-6310
25mm	0.2 µm	100	0203-6101
		500	0203-6105
		1000	0203-6110
	0.45 µm	100	0203-6301
		500	0203-6305
		1000	0203-6310

VertiPure™ PES Syringe Specifications					
Properties		Diameter (mm)			
		4	13	17	25
Bubble point ¹ (psi)	0.2 µm	50			
	0.45µm	35			
Typical Flow rate ² (mL/min/cm ²)	0.2 µm	33			
	0.45µm	58			
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™ PES Syringe Filters with GMF Prefilter			
Size	Pore Size	QTY.	Part No.
13mm	0.2 µm	100	0201-6201
		500	0201-6205
		1000	0201-6210
	0.45 µm	100	0201-6401
		500	0201-6405
		1000	0201-6410
17mm	0.2 µm	100	0202-6201
		500	0202-6205
		1000	0202-6210
	0.45 µm	100	0202-6401
		500	0202-6405
		1000	0202-6410
25mm	0.2 µm	100	0203-6201
		500	0203-6205
		1000	0203-6210
	0.45 µm	100	0203-6401
		500	0203-6405
		1000	0203-6410