

# VertiPure™ PTFE Syringe Filters

## VertiPure™ PTFE Syringe Filters

- Filtration of non-aqueous or solvent based samples
- Prewetting with methanol or ethanol prior to aqueous samples filtration
- Available in 4mm, 13mm, 17mm and 25mm diameter membranes
- Includes QC certificate for leakage and extractables

VertiPure™ PTFE (Polytetrafluoroethylene) is hydrophobic, highest solvent resistance and high protein binding. VertiPure™ PTFE ideals for filtration of non-aqueous or solvent based samples and degassing chromatography.



VertiPure™ PTFE Syringe Filters			
Size	Pore Size	QTY.	Part No.
4mm	0.2 µm	100	0200-2101
		500	0200-2105
		1000	0200-2110
	0.45 µm	100	0200-2301
		500	0200-2305
		1000	0200-2310
13mm	0.2 µm	100	0201-2101
		500	0201-2105
		1000	0201-2110
	0.45 µm	100	0201-2301
		500	0201-2305
		1000	0201-2310
17mm	0.2 µm	100	0202-2101
		500	0202-2105
		1000	0202-2110
	0.45 µm	100	0202-2301
		500	0202-2305
		1000	0202-2310
25mm	0.2 µm	100	0203-2101
		500	0203-2105
		1000	0203-2110
	0.45 µm	100	0203-2301
		500	0203-2305
		1000	0203-2310

VertiPure™ PTFE Syringe Filter Specifications				
Properties	Diameter (mm)			
	4	13	17	25
Bubble point <sup>1</sup> (psi)	0.2 µm	14		
	0.45µm	8		
Typical Flow rate <sup>2</sup> (mL/min/cm <sup>2</sup> )	0.2 µm	55		
	0.45µm	100		
Housing	4mm	Polypropylene		
Material	13-25mm	Pigment-free Polypropylene		
Connector (inlet/outlet)		Female Luer Lock	Male Luer Slip	
Burst Pressure <sup>3</sup> (psi)		75	100	100
Retain Volume <sup>4</sup> (µL)		8	30	45
Sample Volume (mL)		2	6	40
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 isopropyl alcohol.

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

<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.

VertiPure™ PTFE Syringe Filters with GMF Prefilter			
Size	Pore Size	QTY.	Part No.
13mm	0.2 µm	100	0201-2201
		500	0201-2205
		1000	0201-2210
	0.45 µm	100	0201-2401
		500	0201-2405
		1000	0201-2410
17mm	0.2 µm	100	0202-2201
		500	0202-2205
		1000	0202-2210
	0.45 µm	100	0202-2401
		500	0202-2405
		1000	0202-2410
25mm	0.2 µm	100	0203-2201
		500	0203-2205
		1000	0203-2210
	0.45 µm	100	0203-2401
		500	0203-2405
		1000	0203-2410

Filtration