

Whatman Uniflo™ syringe filters

Disposable filter units designed to provide clean filtrate from small volumes up to 100 mL. Available in a variety of membrane choices and a polypropylene overmold housing. Whatman Uniflo syringe filters are available in 13 mm and 25 mm diameters and 0.2 µm and 0.45 µm pore sizes.

Whatman Uniflo 13 mm syringe filters

Uniflo 13 mm Syringe Filters are designed to enable maximum filtrate throughput from typical sample volumes of 10 mL or less.

Whatman Uniflo 25 mm syringe filters

Uniflo 25 mm Syringe Filters are designed to enable maximum filtrate throughput from typical sample volumes of 100 mL or less.

Filter media	Typical application
Nylon	Aqueous and/or organic samples; hydrophilic
PES	Aqueous samples
PTFE	Organic based samples Hydrophobic membrane
PVDF	Aqueous and/or organic based samples; low protein binding membrane



Uniflo Syringe Filters

Integrity test data

Description	Pore size (µm)	Minimum bubble point (psi)
Nylon	0.22	29.0
Nylon	0.45	20.0
Polyethersulfone	0.22	40.0
Polyethersulfone	0.45	33.0
Polytetrafluoroethylene*	0.22	10.0
Polytetrafluoroethylene*	0.45	6.0
Polyvinylidene Difluoride	0.22	39.0
Polyvinylidene Difluoride	0.45	17.5

* Bubble point determined with 95% Ethanol (v/v), all others determined with water



Uniflo Syringe Filters

Typical properties—Whatman Uniflo syringe filters

	Uniflo 13 mm	Uniflo 25 mm
Dimensions	19.6 mm × 16.9 mm	24.5 mm × 29.2 mm
Filtration area	0.88 cm ²	3.45 cm ²
Operating pressure	65.2 psi	65.2 psi
Housing	Polypropylene	Polypropylene
Volume hold up	≤ 50 µL after air purge	≤ 100 µL after air purge
Flow direction	Flow should enter from inlet	Flow should enter from inlet
Inlet Connectors	Female Luer Lock	Female Luer Lock
Outlet Connectors	Male Slip Luer	Male Slip Luer
Sterilization	Autoclave at 121°C at 15 psi for 20 minutes	Autoclave at 121°C at 15 psi for 20 minutes
Biosafe	Polymer grade and membrane types meet the USP test requirements (for Class VI Plastics)	Polymer grade and membrane types meet the USP test requirements (for Class VI Plastics)

Ordering information—Whatman Uniflo syringe filters

Diameter (mm)	Sterility	Pore size (µm)	Membrane	Catalog number	Quantity/pack
13	Nonsterile	0.22	PVDF	9909-1302	500
13	Nonsterile	0.45	PVDF	9909-1304	500
13	Nonsterile	0.22	Nylon	9910-1302	500
13	Nonsterile	0.45	Nylon	9910-1304	500
13	Nonsterile	0.22	PTFE	9911-1302	500
13	Nonsterile	0.45	PTFE	9911-1304	500
13	Nonsterile	0.22	PES	9912-1302	500
13	Nonsterile	0.45	PES	9912-1304	500
25	Nonsterile	0.22	PVDF	9909-2502	500
25	Nonsterile	0.45	PVDF	9909-2504	500
25	Nonsterile	0.22	Nylon	9910-2502	500
25	Nonsterile	0.45	Nylon	9910-2504	500
25	Nonsterile	0.22	PTFE	9911-2502	500
25	Nonsterile	0.45	PTFE	9911-2504	500
25	Nonsterile	0.22	PES	9912-2502	500
25	Nonsterile	0.45	PES	9912-2504	500
13	Sterile	0.22	PES	9916-1302	100
13	Sterile	0.45	PES	9916-1304	100
25	Sterile	0.22	PVDF	9913-2502	45
25	Sterile	0.45	PVDF	9913-2504	45
25	Sterile	0.22	PES	9914-2502	45
25	Sterile	0.45	PES	9914-2504	45
25	Sterile	0.22	PES	9915-2502	200
25	Sterile	0.45	PES	9915-2504	200

PTFE—Polytetrafluoroethylene

PVDF—Polyvinylidene Difluoride

PES—Polyethersulfone