

Filter units, syringe, sterile, Millex®



- Sterile filtration and clarification of aqueous/organic solutions with volumes up to 2,000mL
- Available in Millipore Express™ (hydrophilic PES), Durapore® (hydrophilic PVDF), MF-Millipore (MCE) and Millipore LCR (hydrophilic PTFE)
- Devices are colour coded to make it easier for you to choose the correct membrane for your application
- 33mm diameter has 20% larger area than 25mm which increases flow rate and throughput while reducing the pressure required to empty the syringe
- 100% integrity tested, individually packaged, and EtO or radiation sterilised

Sterile Millex® filter units are available in 4mm, 13mm, 25mm, 33mm and 50mm diameter.

Millipore Express™ (hydrophilic PES)

Provides a unique combination of speed and six times less protein binding than competitive PES membranes. The 0.22µm membrane is recommended for sterile filtering protein solutions, tissue culture media and additives.

Durapore® (hydrophilic PVDF)

The lowest protein binding membrane available. Ideal for filtering protein solutions. The 0.22µm membranes are sterilising grade. Larger pore sizes are for clarification and prefiltration.

MF-Millipore (mixed cellulose esters)

Provides reliable, general purpose filtration of water, buffers or other aqueous solutions. The 0.22µm filters are sterilising grade. Larger pore sizes are for clarification and prefiltration.

Technical Specification - Specific

4mm, 13mm, 25mm and 50mm filter units

Diameter, mm	4	13	25	50
Volume, mL	1 (maximum)	10 (maximum)	100 (maximum)	4,000 (maximum)
Effective filtration area, cm²	0.1	0.65	3.9	19.6
Filter hold-up volume, µL [after air purge]	<10	<50	<100	<1,000
Pressure [max.], bar	14 (200psi)	7 (100psi)	5.2 (75psi)	3.5 (50psi)
Housing	HDPE	HDPE	PVC	MBS

33mm diameter filter units

Membrane	Millipore Express™	MF-Millipore	Durapore®
Material	Hydrophilic PES	Mixed cellulose esters	Hydrophilic PVDF
Colour	Green outer ring	Blue outer ring	Yellow outer ring
Volume, mL	200 (maximum)	100 (maximum)	100 (maximum)
Effective filtration area, cm²	4.5	4.5	4.5
Filter hold-up volume, µL [after air purge]	<100	<100	<100
Pressure [max.], bar	10 (145psi)	10 (145psi)	10 (145psi)
Housing	Modified acrylic	Modified acrylic	Modified acrylic
Toxicity	All components meet USP Class VI Biological tests for plastics		

Maximum operating temperature for all units 45°C.

4mm diameter (Stepped male luer slip outlet, female Luer-Lok® inlet)

Catalogue No	Legacy No	Alt. No	Membrane	Pore size, µm	Type	Sterilisation method	Pack qty
10400031	-	SLGV004SL	PVDF	0.22	GV	EtO	100
10156630	-	SLHV004SL	PVDF	0.45	HV	EtO	100

13mm diameter (Male luer slip outlet, female Luer-Lok® inlet)

Catalogue No	Legacy No	Alt. No	Membrane	Pore size, µm	Type	Sterilisation method	Pack qty
10792721	-	SLGV013SL	PVDF	0.22	GV	EtO	100
10146520	-	SLHV013SL	PVDF	0.45	HV	EtO	100

25mm diameter (Male luer slip outlet, female Luer-Lok® inlet)

Catalogue No	Legacy No	Alt. No	Membrane	Pore size, µm	Type	Sterilisation method	Pack qty
10054850	-	SLSV025LS	PVDF	5.0	SV	EtO	50
10015301	-	SLLG025SS	Hydrophilic PTFE	0.20	LG	EtO	50

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