

VWR® Syringe Filters

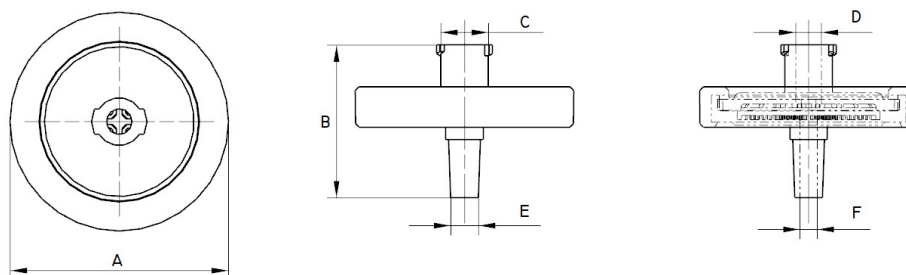


Typical applications are clarification, sterile filtration, sample preparation, sterile venting.

Nylon and PTFE membranes are ideal for sample preparation and small volume chemical filtration.

Syringe filters with CA (cellulose acetate) or PES (polyether sulfone) membranes are ideal for sterile filtration of buffers, tissue culture media or additives, and other biologicals. The PES membrane offers high flow rates.

- Manufacturing process certified to ISO 9001
- Sterile blister packed filters are ideal for sterile filtration
- Nonsterile syringe filters are excellent for HPLC applications.
- Biosafe according to Class VI plastics tests
- Available with Nylon, PES, PTFE, PVDF, CA, RC membrane, and GF (Glass fiber)
- Available with hydrophilic or hydrophobic PTFE
- Each filter has a female Luer-lock inlet and a male slip Luer outlet.



Detailed list				
Item NO	Item	Ø 13mm	Ø 25mm	Ø 30mm
A	OD of Filter	17.2±0.5	30.0±0.5	34.2±0.5
B	Height of Filter	17.5±0.5	21.0±0.5	23.5±0.5
C	OD Inlet	6.5±0.3	6.5±0.3	6.5±0.3
D	ID Inlet	4.1±0.3	4.1±0.3	4.1±0.3
E	OD Outlet	3.9±0.3	3.9±0.3	3.9±0.3
F	ID Outlet	2.5±0.3	2.5±0.3	2.5±0.3

Choosing the Right Diameter:

Typical Process Volume	Suitable Syringe Filter Diameter (mm)	Hold-up volume(µ l)
1 – 10 mL	Ø13	<10
10 – 50mL	Ø25	<100
50– 100 mL	Ø30	<120

Notes:

- Ø13 mm Syringe filters (PES, PTFE) are designed to filter 1-10 ml.
- Ø25 mm Syringe filters (PES, PTFE, Nylon, SFCA, CA, and glass fiber prefilter) are designed to filter 10-50 ml (up to 200 ml with prefilter).
- Ø30 mm inline/syringe filters (PTFE) are designed to filter 50~100ml of liquids (larger volumes of air and gases when used as a vent filter).

VWR® Syringe Filters



VWR NA Cat. No.	VWR EU Cat. No.	Membrane Material	Pore Size (µm)	Housing Material	ØOD (mm)	Qty/ Pk	Qty /Case	Effective Filtration Area (sq cm)	Sterile	Pyrogen icity (EU/ml)	Min. bubble point, Mpa	Flow rate Δp = 0.07 Mpa (mL/min)	pH
76479-004	514-1253	PTFE	0.45	PP	25	100	2000	2.98	N/A	N/A	0.05	60	1-14
76479-006	514-1254	PTFE	0.22	PP	25	100	2000	2.98	N/A	N/A	0.1	30	1-14
76479-008	514-1255	PTFE	0.45	PP	13	100	2000	0.92	N/A	N/A	0.05	15	1-14
76479-010	514-1256	PTFE	0.22	PP	13	100	2000	0.92	N/A	N/A	0.1	9	1-14
76479-048	514-1275	*PTFE/L	0.22	PP	13	100	2000	0.92	N/A	N/A	0.1	6	1-14
76479-050	514-1276	*PTFE/L	0.45	PP	13	100	2000	0.92	N/A	N/A	0.05	12	1-14
76479-052	514-1277	*PTFE/L	0.22	PP	25	100	2000	2.98	N/A	N/A	0.1	30	1-14
76479-054	514-1278	*PTFE/L	0.45	PP	25	100	2000	2.98	N/A	N/A	0.05	60	1-14
76479-012	514-1257	PES	0.45	PP	30	50	1000	4.9	Gamma	<0.25	0.22	100	1-14
76479-014	514-1258	PES	0.45	PP	30	100	1000	4.9	N/A	N/A	0.22	100	1-14
76479-016	514-1259	PES	0.22*	PP	30	50	1000	4.9	Gamma	<0.25	0.35	60	1-14
76479-018	514-1260	PES	0.22*	PP	30	100	1000	4.9	N/A	N/A	0.35	60	1-14
76479-020	514-1261	PES	0.45	PP	25	50	1000	2.98	Gamma	<0.25	0.22	80	1-14
76479-022	514-1262	PES	0.45	PP	25	100	2000	2.98	N/A	N/A	0.22	80	1-14
76479-024	514-1263	PES	0.22*	PP	25	50	1000	2.98	Gamma	<0.25	0.35	30	1-14
76479-026	514-1264	PES	0.22*	PP	25	100	2000	2.98	N/A	N/A	0.35	30	1-14
76479-056	514-1279	Nylon	0.45	PP	13	100	2000	0.92	N/A	N/A	0.16	9	2-13
76479-058	514-1280	Nylon	0.22	PP	13	100	2000	0.92	N/A	N/A	0.26	4	2-13
76479-032	514-1267	Nylon	0.45	PP	25	100	2000	2.98	N/A	N/A	0.16	35	2-13
76479-034	514-1268	Nylon	0.22	PP	25	100	2000	2.98	N/A	N/A	0.26	15	2-13
76479-028	514-1265	Nylon	0.45	PP	30	50	1000	4.9	Gamma	<0.25	0.16	60	2-13
76479-030	514-1266	Nylon	0.22	PP	30	50	1000	4.9	Gamma	<0.25	0.26	30	2-13
76479-036	514-1269	Glass fiber	1.0	PP	25	100	2000	2.98	N/A	N/A	/	250	3-14
76479-038	514-1270	Glass fiber	1.0	PP	13	100	2000	0.92	N/A	N/A	/	70	3-14
76479-060	514-1281	Glass fiber	1.0	PP	30	100	1000	4.9	N/A	N/A	/	300	3-14
76479-040	514-1271	CA	0.45	PP	25	50	1000	2.98	Gamma	<0.25	0.16	60	4-8
76479-042	514-1272	CA	0.45	PP	25	100	2000	2.98	N/A	N/A	0.16	60	4-8
76479-044	514-1273	CA	0.22*	PP	25	50	1000	2.98	Gamma	<0.25	0.28	30	4-8
76479-046	514-1274	CA	0.22*	PP	25	100	2000	2.98	N/A	N/A	0.28	30	4-8
76478-980	514-1240	RC	0.45	PP	30	100	1000	4.9	N/A	N/A	0.05	70	3-12
76478-982	514-1241	RC	0.22	PP	30	100	1000	4.9	N/A	N/A	0.1	40	3-12
76478-984	514-1243	RC	0.45	PP	13	100	2000	0.92	N/A	N/A	0.05	15	3-12
76478-986	514-1244	RC	0.22	PP	13	100	2000	0.92	N/A	N/A	0.1	6	3-12
76478-988	514-1245	PVDF	0.45	PP	30	50	1000	4.9	Gamma	<0.25	0.04	40	1-12
76478-990	514-1246	PVDF	0.45	PP	30	100	1000	4.9	N/A	N/A	0.04	40	1-12
76478-992	514-1247	PVDF	0.22	PP	30	50	1000	4.9	Gamma	<0.25	0.1	24	1-12
76478-994	514-1248	PVDF	0.22	PP	30	100	1000	4.9	N/A	N/A	0.1	24	1-12
76478-996	514-1249	PVDF	0.45	PP	13	50	2000	0.92	Gamma	<0.25	0.04	9	1-12
76478-998	514-1250	PVDF	0.45	PP	13	100	2000	0.92	N/A	N/A	0.04	9	1-12

VWR® Syringe Filters



76479-000	514-1251	PVDF	0.22	PP	13	50	2000	0.92	Gamma	<0.25	0.1	6	1-12
76479-002	514-1252	PVDF	0.22	PP	13	100	2000	0.92	N/A	N/A	0.1	6	1-12

* Retains 10^7 *Brevundimonas diminuta* per square centimeter according to modified ASTM F838-83.

* N/A=Not Applicable

* PTFE/L=Hydrophilic PTFE, bubble point tested by ethanol, Average flow rate tested by water

* PTFE=Hydrophobic PTFE, bubble point tested by ethanol, Average flow rate tested by ethanol

* PP= Polypropylene

* Gamma=individual blister packed