





## 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	∅OD (mm)	Qty/Pk	Qty /Case	Effective Filtration Area (sq cm)	Sterile	Pyrogenicity (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