

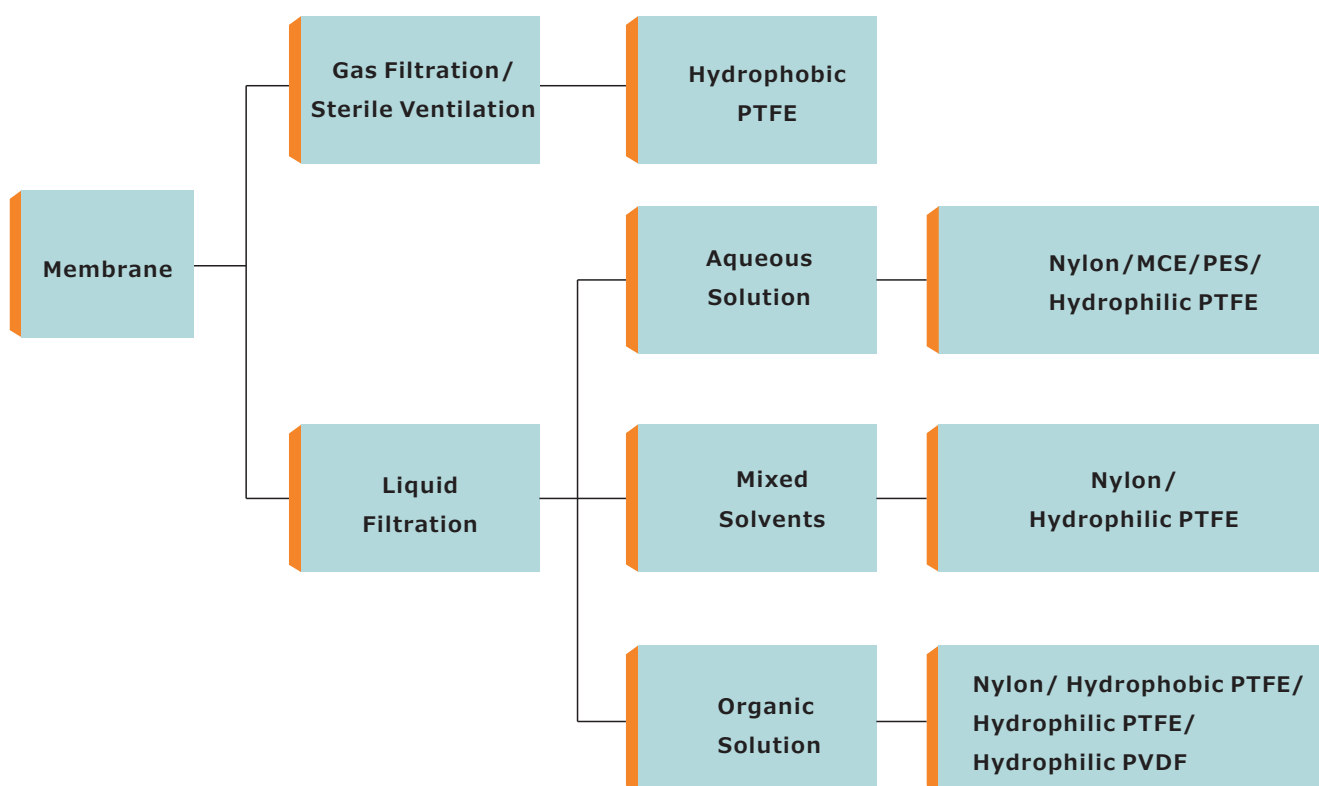
How to choose a proper syringe filter for your test?

Questions need to be considered before filtration.

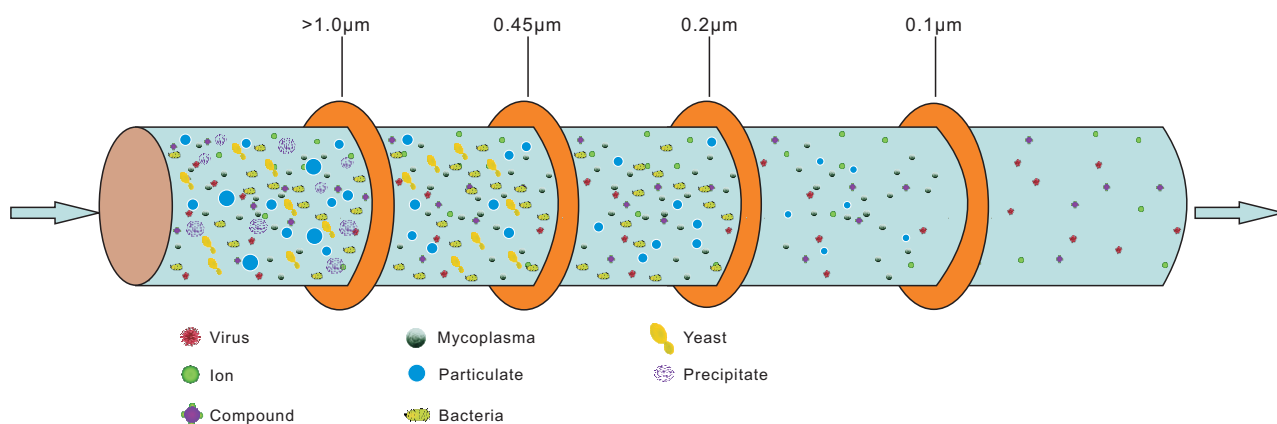
- (1) **Compatibility.** What kind of solution to filter?
- (2) **Filtration area.** The volume of sample to be filtered?
- (3) **Pore size.** Sterile filtration or particle removal? Target size?
- (4) **Hydrophilicity & hydrophobicity.** Can filter be wetted with the solution or solvent?
- (5) **Sterilization method.** Which method do you prefer? EO, gamma radiation or autoclave?
- (6) **Inlet/outlet connection types.** Which connection fit? FLL/MLS or MLS/MLS or FLL/MLL?
- (7) **Dimension.** Does the filter dimension match?

The below is a quick-select guide:

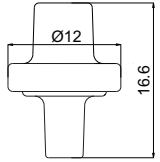
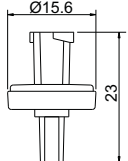
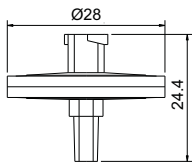
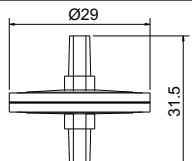
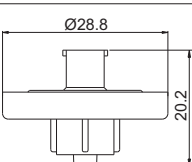
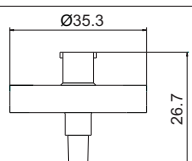
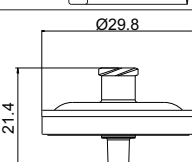
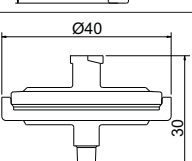
- (1) Selecting by filter material



- (2) Selecting by pore size and application



(3) Selecting by process volume, dimension, connection and maximum operating pressure, etc.

Syringe Filter Diameter	Filtration Area (cm ²)	Housing Material	Process Volume	Maximum Operating Pressure (bar)	Inlet	Outlet	Dimension (mm)
5mm	0.19	PP	<2mL	5	FLS	MLS	
13mm	1.3	PP	<10mL	5	FLL	MLS	
25mm A type	4.9	PP	<100mL	5	FLL	MLS	
25mm B type	4.9	PP	<100mL	5	MLS	MLS	
25mm C type	4.9	PP	<100mL	5	FLL	MLL	
25mm color overmolded	4.9	PP	<100mL	10	FLL	MLS	
25mm ASF type	5.3	PP	<100mL	7	FLL	MLS	
33mm	8.5	PP	<150mL	3	FLL	MLS	

* FLL for female luer lock FLS for female luer slip MLS for male luer slip MLL for male luer lock

(4) Chemical compatibility

Please refer to appendix!