

**Hydrophilic PVDF Disc Membrane Filters****Specifications**

Materials	Membrane	PVDF
	Wettability	Hydrophilic
	Color	White
Physical Properties	Filter Diameter	13/25/47/50/60/90/293 mm
	Pore Size	0.1/0.22/0.45 µm
	Maximum Operating Temp.	130°C
	pH Range	2.0 – 10.0
Sterility	Delivery Condition	Nonsterile
Package	Pack Size	100/pk, 50/pk, 25/pk

Performance

Pore Size	Bubble Point (Water 20°C)	Water Flow Rate (s/50ml/12.68cm ²) @-30KPa (water 20°C)	Thickness (µm)
0.1 µm	≥480KPa	≤100s	125±25
0.22 µm	≥300KPa	≤55s	125±25
0.45 µm	≥180KPa	≤15s	125±25

Features



- Hydrophilic
- Chemical compatibility pH 1-8
- Low protein binding
- Low extractables
- High flow rate

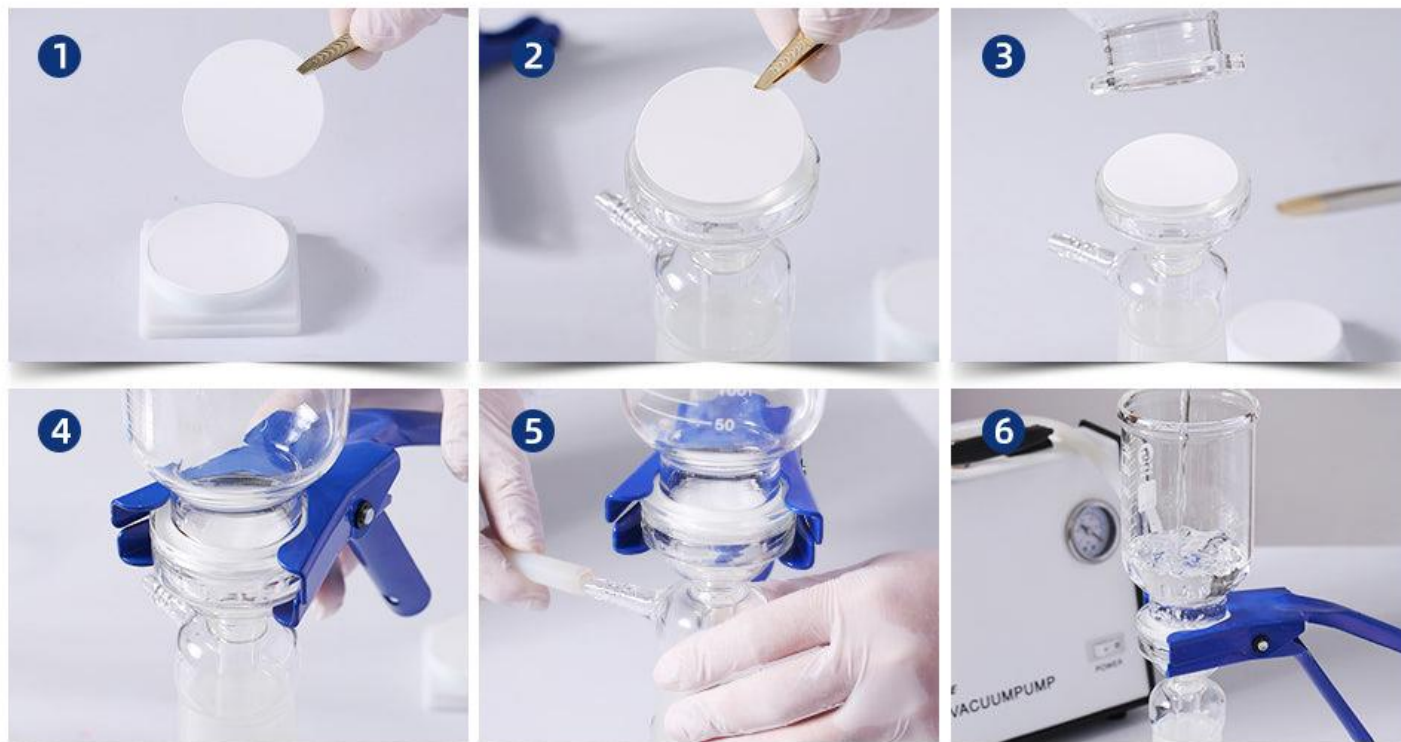
Applications

- Sample preparation
- Particle removal filtration
- Clarification and sterile filtration of biological solutions

How to Use a PVDF Membrane Filter

1. Take one filter paper (not the blue backing paper) out of the box.
2. Place the membrane filter on the funnel assembly.
3. Adjust the sample container on the proper position.
4. Fix with a locker clip or clamp.
5. Attach the vacuum pump to the filtration set.
6. Pour the sample into the sample container and turn on the vacuum.

How to use a membrane?



How to Choose a Membrane Filter

Medium, buffer filtration -- PES membrane

Low protein adsorption filtration -- PVDF membrane

Solvent mixture -- Nylon or Hydrophilic PTFE membrane

Non-polar (hydrophobic) solution -- Hydrophobic PTFE membrane

Polar (hydrophilic) solution -- Nylon membrane

Corrosive solution -- Hydrophobic PTFE membrane

Gas filtration -- Hydrophobic PTFE memberane



How to Choose Membrane Filter ?

