

**Hydrophilic PTFE Membrane Filters Lab Disc Filter****Specifications**

Materials	Membrane	PTFE
	Wettability	Hydrophilic
	Color	White
Physical Properties	Filter Diameter	13/25/47/50/60/90/100/110/150 mm
	Pore Size	0.1/0.22/0.45 µm
	Maximum Operating Temp.	140°C
	pH Range	1.0 – 14.0
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/12.68cm²) @- 30KPa (water 20°C)	Thickness (µm)
0.1 µm	≥300KPa	≤120s	200±60
0.22 µm	≥300KPa	≤55s	210±70
0.45 µm	≥180KPa	≤30s	210±70

Features

- **Hydrophilic**
- **Broad chemical compatibility**
- **Strong chemical compatibility with pH range of 1-14**

- Very low extractables
- A universal membrane ideal for both aqueous and solvent filtration

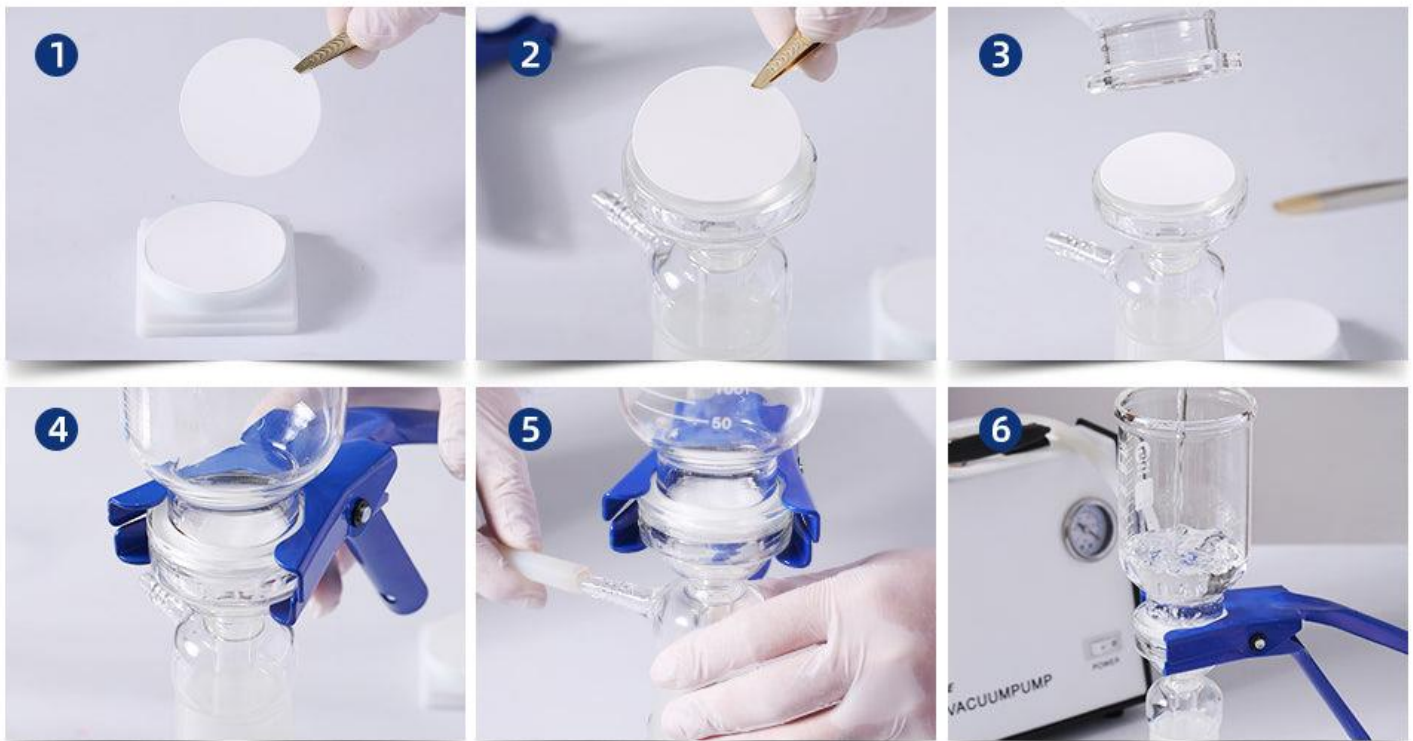
Applications

- Compatible with most HPLC solutions, filtration of aqueous and organic solutions
- Particularly suitable for filtration of water-miscible organic solvents and disinfectant filtration

How to Use a Hydrophilic PTFE 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 membrane

How to Choose Membrane Filter ?

