

MS® Membrane Filters



Introduction

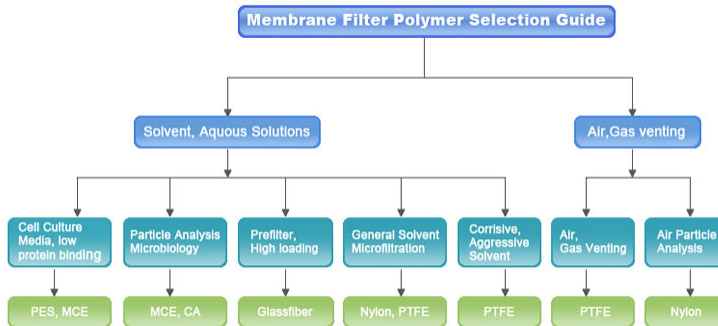
Micro-filtration is one kind of physical filtration process where a contaminated fluid is passed through a special pore size membrane to separate micro-organisms and suspended particles from process liquid or gas. The typical pore size used for micro-filtration ranges from about 0.1 to 10um.

Membrane Solutions offers full **membrane filter** for various solvents or liquid or gas, including [PES](#), [MCE](#), [Nylon](#), [PVDF](#), [PTFE](#), [PP](#), [CA](#), [Nylon Mesh](#) and [PC](#), the disc diameter is from 13mm to 293mm, which are manufactured in ISO 9001 certified facility. Most membranes can be sterilized if needed.

Application

- General clean and filtration
- Sample Preparation
- Environmental Monitoring and Analysis
- Filtration of Aqueous and Organic Solutions
- Fluid Monitoring
- Pharmaceutical Products Analysis
- Chromatography and Mass Spec Sample Preparation
- Venting and Gas Filtration

Guide to Select Membrane



Sterility
 0.1um > maximum but v slow
 0.2um > best compromise (re sterility)
 0.45um sterility OK > a speed compromise

preferred APP

Product Information

Size (um) : Dirty Samples & Capacity Diameter > Capacity

Membrane Type	Pore Size(um)	Diameter(mm)
PES	0.1-1.0	13, 25,37,47,90,142,293
MCE	0.1-8.0	13,25,37,47,90,142, 293
		Plain & Gridded
NYLON	0.1- 10.0	13,25,37,47,90,142,293
PVDF	0.1-0.45	13,25,37,47,90,142,293
PTFE	0.1 -5.0	13,25,37,47,90,142,293
PP	0.22-20.0	13,37,47,90,125,142,293
CA	0.22-8.0	13,25,37,47,90,142,293
Nylon Mesh	20-180	25,47,90, 30cm×3m
PC	0.1-8.0	13,25,37,47,90,142

Aqueous
 (fastest / high(er) capacity)
 (Hydrophillic)

Aqueous/mild Solvents
 Hydrophillic

Hydrophobic / Solvents
 (Acid / Bases)

25, 47mm
 for Resuable
 Filter Holders
47, 90mm
 for Vac-U-Fill
 Bottle Top pre-Filters

Ordering Code : MF [Type] / [Pore Size(um)] / [Diameter(mm)]

Box Size / No per box differs per type : eg MF/PES/0.45/25

