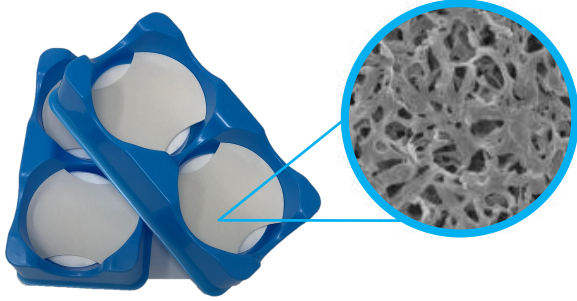


PVDF Disc Filters



PVDF membrane filter (disc membrane), particularly microporous membranes, can be prepared to exhibit high efficiency for particle removal. PVDF membrane filter (disc membrane) has a low critical surface energy and conventional, hydrophobic, microporous PVDF membranes will not wet with aqueous fluids.

MS Membrane stack consists of reinforced-type PVDF membrane. It can ensure wet air and other gas pass through smoothly, even when the differential pressure is very low. It holds the opposite capability against PVDF hydrophilic membrane.

Features PVDF

- Easy processing by extrusion, injection, compression, blow molding, solution process
- Excellent mechanical properties
- High temperature capabilities and excellent aging resistance
- Physiologically harmless and approved for contact with food products -Low extractable levels
- Wide chemical compatibility

Applications PVDF

- Chemical Process Industry (pipes and fittings, pumps, valves, ...)
- High purity fluid transportation
- Lithium batteries
- Off shore oil industry (multi layer structures for oil and gas...)
- Plumbing
- Wire and cables (communication cable jacket in the USA, ...)

Specification

Membrane Material	Pore Size (μm)	Average Bubble Point (Mpa)	Flow Rate (25°C)Δp:0.07Mpa (mL/min/cm ²)	Thickness (μm)
PVDF	0.22	0.12-0.15(Alcohol)	8-12	120-140
Hydrophobic	0.45	0.06-0.10(Alcohol)	30-45	
PVDF	0.22	0.36-0.42(Water)	8-15	120-140
Hydrophilic	0.45	0.18-0.24(Water)	35-60	

PVDF Disc Filters

Part Number	Description
PVDF-022-2500	Membrane Filter PVDF Hydrophobic (0.22µm)25 mm (200/pk)
PVDF-022-3700	Membrane Filter PVDF Hydrophobic (0.22µm)37 mm (200/pk)
PVDF-022-4700	Membrane Filter PVDF Hydrophobic (0.22µm)47 mm (200/pk)
PVDF-022-9000	Membrane Filter PVDF Hydrophobic (0.22µm)90 mm (100/pk)
PVDF-022-0142	Membrane Filter PVDF Hydrophobic (0.22µm)142 mm (50/pk)
PVDF-045-2500	Membrane Filter PVDF Hydrophobic (0.45µm)25 mm (200/pk)
PVDF-045-3700	Membrane Filter PVDF Hydrophobic (0.45µm)37 mm (200/pk)
PVDF-045-4700	Membrane Filter PVDF Hydrophobic (0.45µm)47 mm (200/pk)
PVDF-045-9000	Membrane Filter PVDF Hydrophobic (0.45µm)90 mm (100/pk)
PVDF-045-0142	Membrane Filter PVDF Hydrophobic (0.45µm)142 mm (50/pk)
PVDF-022-2500-W	Membrane Filter PVDF Hydrophilic (0.22µm)25 mm (200/pk)
PVDF-022-3700-W	Membrane Filter PVDF Hydrophilic (0.22µm)37 mm (200/pk)
PVDF-022-4700-W	Membrane Filter PVDF Hydrophilic (0.22µm)47 mm (200/pk)
PVDF-022-9000-W	Membrane Filter PVDF Hydrophilic (0.22µm)90 mm (100/pk)
PVDF-022-0142-W	Membrane Filter PVDF Hydrophilic (0.22µm)142 mm (50/pk)
PVDF-045-2500-W	Membrane Filter PVDF Hydrophilic (0.45µm)25 mm (200/pk)
PVDF-045-3700-W	Membrane Filter PVDF Hydrophilic (0.45µm)37 mm (200/pk)
PVDF-045-4700-W	Membrane Filter PVDF Hydrophilic (0.45µm)47 mm (200/pk)
PVDF-045-9000-W	Membrane Filter PVDF Hydrophilic (0.45µm)90 mm (100/pk)
PVDF-045-0142-W	Membrane Filter PVDF Hydrophilic (0.45µm)142 mm (50/pk)

Table 5.1. PVDF Disc Filters part numbers.