

HYDROPHOBIC PTFE MEMBRANES

Recommended for venting, filtration and sterilisation of gases, samples and aggressive organic and inorganic solvents

- Made entirely of PTFE (polytetrafluorethylene)
- Hydrophobic
- Permanently hydrophobic allowing passage of air even at low differential pressure
- Resistant to almost all chemicals, with very strong acids, cryoliquids, alkalis, aggressive organic solvents and media
- Pore size 0.20 µm and 5.00 µm
- Filter diameters from 13 mm to 293 mm
- White and plain

Technical specifications:

Material	Pore µm	Thickness (1) µm	Flow rate (2) l/min	Bubble point (3) bar
PTFE	0.20	65	0.2	1.0
	0.45	65	0.3	0.7
	1.20	65	1.6	0.45
	5.00	100	4	0.1

(1) Acc. DIN 53105

(2) Acc. DIN 58355, average value per cm² area at Ap = 0.05 bar

(3) Acc. DIN 58355, for isopropanol

- Absorption 8 µm/cm² for gamma-globulin (pore size 0.2 µm)
- Extractables with water not detected
- Sterilization : by autoclaving (at 121°C or 134°C) and ethylene oxide
- Maximum temperature 134 °C

Applications:

- Sterile venting in multi-branch system (0.2 µm PTFE membranes)
- Phase separation
- Aerosol samples
- Filtering chemically aggressive samples
- Clarifying corrosive substances, strong acids and alkalis
- Fermentation vessels (0.2 µm PTFE membranes)
- Sterile filtering tanks and containers (0.2 µm PTFE membranes)
- Automatic air quality control networks
- Must be pre-wetted with an organic solvent, such as ethanol, methanol or isopropanol, before filtration of aqueous samples

Ordering information:

PTFE MEMBRANE FILTERS

		Membrane, white, smooth			
Ø	Quality	PT020... 0.20 µm	PT045... 0.45 µm	PT120... 1.20 µm	PT500... 5.00 µm
13 mm		PT02013BL	PT04513BL	PT12013BL	-
25 mm		PT02025BL	PT04525BL	PT12025BL	PT50025BL
47 mm		PT02047BL	PT04547BL	PT12047BL	PT50047BL
142 mm		PT020142BL*	PT045142BL*	PT120142BL*	PT500142BL*
293 mm		PT020293BL*	PT045293BL*	-	-

Presentation: 100 units / box

*Presentation: 25 units / box

Other sizes available on request