

mdi hydrophilic PVDF Membrane Disc Filters are non-media migrating, biologically inert membranes validated for use in microbiology labs.



Individually Packed EO Sterilized

Special Features

- High flow rates
- Absolute retention
- Hydrophilic
- Biologically inert
- Wide chemical compatibility

Validated for

- Microbial Recovery
- Microbial Retention
- Sterility

Material of Construction

Polyvinylidene Fluoride

Ordering Information

Application

- Sterility testing
- Product Microbiology
- Water Microbiology

Integrity Test Data

Pore Size	Bubble Point (Water)
0.2 µm	≥ 50 psi (3.52 Kg/cm ²)
0.45 µm	≥ 30 psi (2.10 Kg/cm ²)

Water Flow Rates @ 10psi, 27°C

0.2 µm	≥ 10 ml/min/cm ²
0.45 µm	≥ 30 ml/min/cm ²

Specifications

Pore Size
0.2 µm, 0.45 µm

Typical Thickness
135 ± 15 µm

Wettability
Hydrophilic

Bacterial Retention
0.2 µm:LRV> 7 for *B. diminuta* ATCC 19146 as per cm² of filter area
0.45 µm:LRV> 7 *S.marcescens* ATCC 14756 per cm² of filter area

Maximum Operating Temperature
≤ 80 °C continuous

Sterilization
 -Autoclavable at 121°C for 30 minutes
 -EO sterilized

Biosafety
 Passes Bioreactivity test, *In-vivo*, as per USP <88> for Class VI plastics

Oxidizable Matter
 Passes test as per USP

Extractables with Water
 Within limits as specified in USP

Type		Size		Pore Size		XX	XX	Sterility		Pack Size	
	Code		Code		Code				Code	Qty.	Code
HVF	HVFX	47mm	09	0.2 µm	01			Non Sterile	1	100	04
				0.45 µm	02			EO Sterile	2		

HVFX	09	02	XX	XX	2	04
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