

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

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

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

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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