

# pleated filter

PVDF Membrane

Absolute rated

Sterilizing grade

Integrity testable

Wfll pushed

Validated Performance

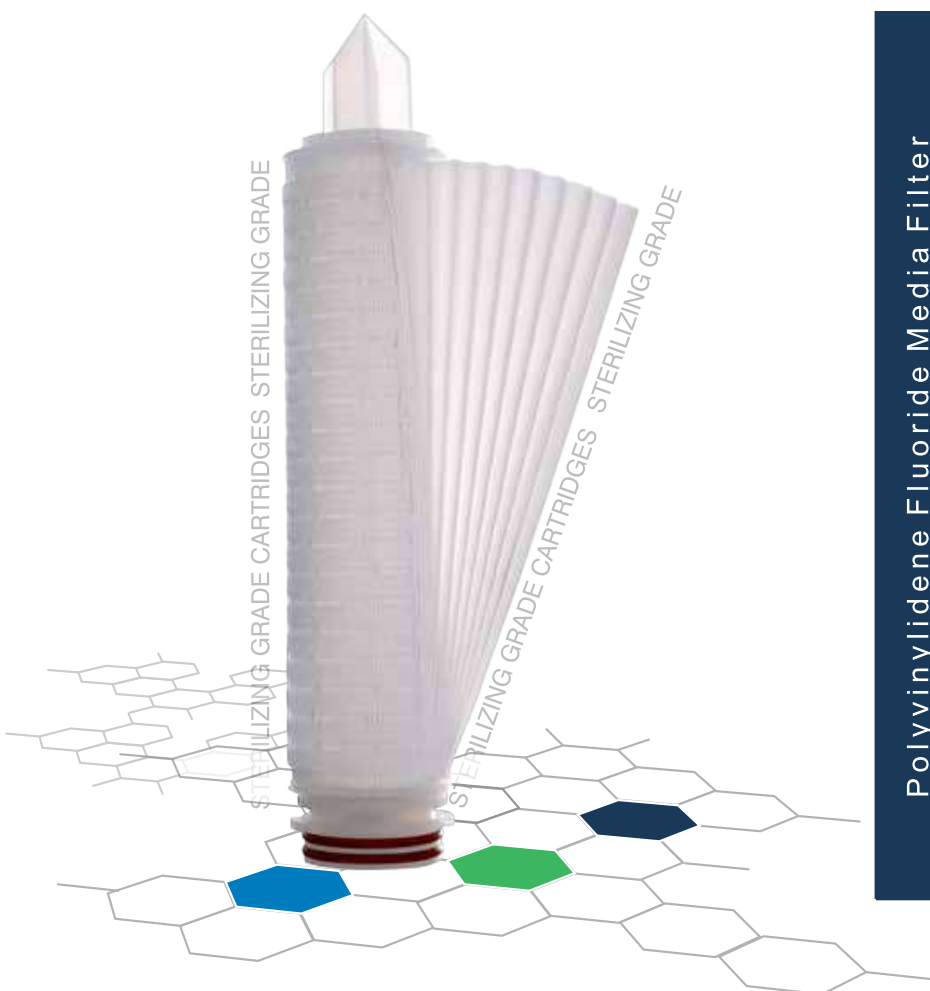
Traceability

Consistent Performance

Low Protein binding



**MICROPVDF**  
PVDF Filter



Polyvinylidene Fluoride Media Filter

PHARMA | BIOTECH | FOOD & BEVERAGES | CHEMICAL



[www.microfiltindia.com](http://www.microfiltindia.com)



MICROPVDF pleated cartridge filters are made of polyvinylidene fluoride (PVDF) and are characterized by low protein binding, low extractable levels, wide chemical compatibility and chemical inertness. The pleat technology maximizes the useful surface area of the filter while maintaining proper flow paths between media pleats. Adaptors are thermally welded with media without using any adhesives on it, ensuring seamless fusion.

Features and Benefits

<b>Polyvinylidene fluoride and Polypropylene components</b>	Provides extremely wide chemical compatibility and permits in a broad range of fluids and applications
<b>Fixed pore structure, consistent particle removal</b>	No migration of filter media, non fiber releasing
<b>Integrity tested during manufacture</b>	Ensures product integrity, consistency and reliability
<b>Filter media is supported with polypropylene support layer on both sides</b>	Optimized for high efficiency particle removal and high contaminant holding capacity, resulting in longer on-stream life cycles
<b>Providing certificates</b>	Full traceability
<b>Biologically inert and Non toxic</b>	Meets FDA requirements, bio safety incompliance with USP class VI biological reactivity test passes
<b>High pleated area, robust membrane construction</b>	Enables economical installations & energy savings due to high flow rates and low pressure drops.
<b>Variety of seal configurations</b>	Allow retrofit in many filter vessel design

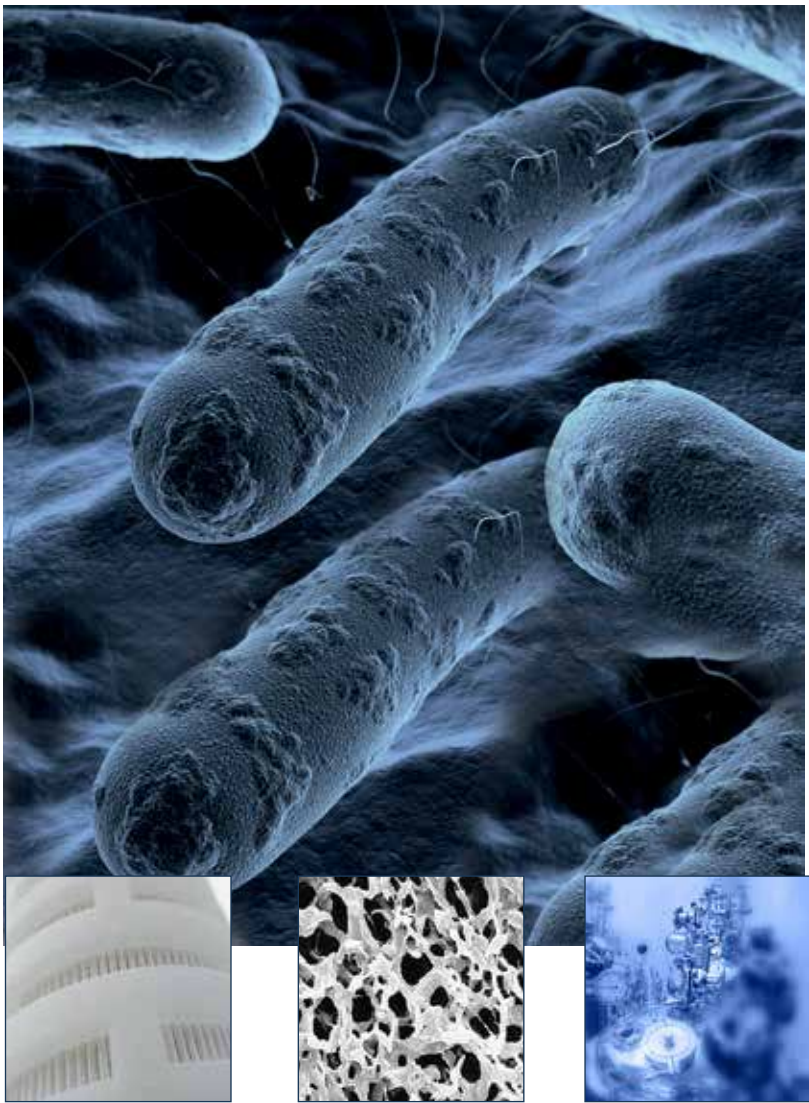


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Material of Construction	
Filter Media	PVDF Membrane
Support Layer	Polypropylene
Core / Cage / End Caps	Polypropylene
Micron Rating	
Microns (μ)	0.2, 0.45, 0.65, 1.2

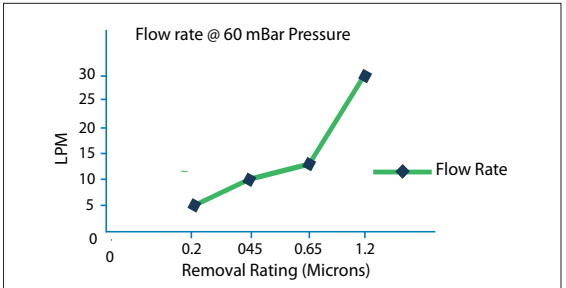
Standard Sizes (Nominal)	
inches	10, 20, 30, 40

Outside Diameter (Nominal)	
inches	2.75

Inner Diameter (Nominal)	
inches	1.1

Filtration Area / 10” cartridge (Nominal)	
m²	0.60

Operating Parameters	
Temperature °C / °F [Max]	80 / 176
Pressure [Max] Bar / psi	4.1 / 59.46 @ 60°C 2.1 / 30.45 @ 82°C
Steam Sterilization °C [Max]	121-125 / 30-60 mins
Recommended Changout (Δp- Bar)	2.4



- ☒ Absolute Rated
- ☒ Pleated Cartridge
- ☒ 100% Integrity Tested
- ☒ WFI Flushed
- ☒ PVDF Membrane
- ☒ Steam Sterilizable
- ☒ Sterile Application

BIOFILT

Biological Preparation, Culture solution, Sterilization

PHARMAFILT

IV Fluid, SVP

CHEMFILT

Acids, Solvents, Normal Sodium, Sterile Tank Venting, Process Gas

WATERFILT

WFI, Purified Water



**MICROPVDF FILTER MEDIA**

A	B	C	D	E	F
A 0 1 6 0	PD	001	10	CD7	E
A0160	PD- PVDF (Polyvinylidene Fluoride Media Filter)	002-0.2 045-0.45 008-0.8 010-0.1	10-10" 20-20" 30-30" 40-40"	DOE CD7 CD0	S-Silicon E-EPR P-PTFE K- Encapsulated PTFE V- Viton

A - Product Code
B- MOC of filter media
C - Grade/Micron Rating
D - Configuration ( Length/Size)
E - End Connection
F- Sealing Elastomer





## About Us



*"Most Filtration problems have simple solutions. You are only limited by your ability to be dedicated, persistent and passionate in your quest for the solution. In filtration, most of the times, the solutions are very simple and cost-effective."*

**-Magan Khakharia,**

Managing Director,  
Chemical Engineer, UDCT Mumbai

- Microfilt is built upon the vision of providing customized microfiltration solutions.
- Offer complete filtration solution for various market segments like Pharmaceuticals, Biotech, Fine & Speciality chemicals, Colour & Coating, Food & Beverages, Healthcare and Mineral Oil.
- Microfilt provides standard & customized filtration equipments since more than 2 decades.
- More than 10,000 equipments installed worldwide till date.
- We have well setup of filtration laboratory with all filtration equipments cater to various technology for solving the complex filtration problems and R & D studies.



Our key strength is in analyzing filtration problems, finding solutions and designing systems which are simple, reliable and cost effective.



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► **Umbargaon**

► **Virar**

► **Mumbai**

► **Bharuch**

► **Hyderabad**