

# pleated filter

PTFE Membrane

Absolute rated

Sterilizing grade

Integrity testable

Validated Performance

Highly Hydrophobic

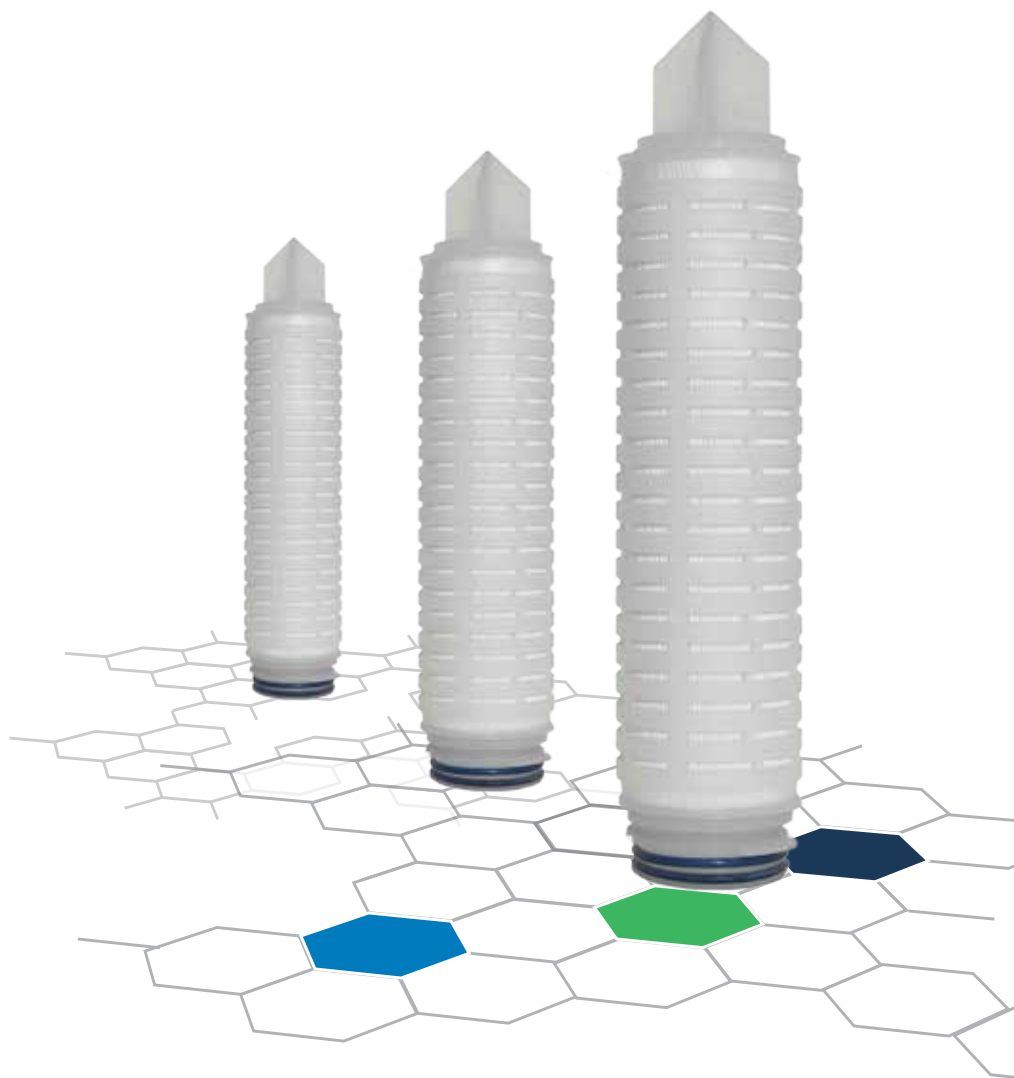
Wide Chemical compatibility

Traceability

Consistent Performance



**MICROFLUORO**  
PTFE Filter



Polytetrafluoro Ethylene Media Filter

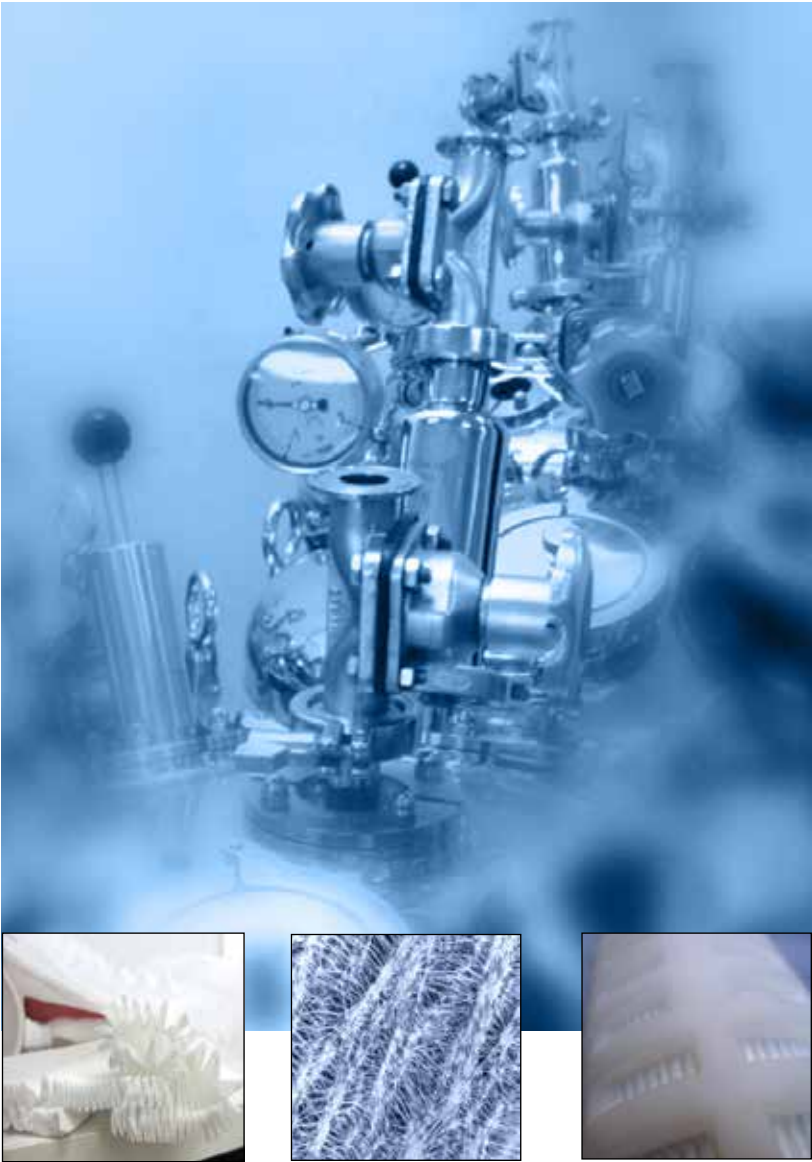
CHEMICAL | PHARMA | BIOTECH | FOOD & BEVERAGES



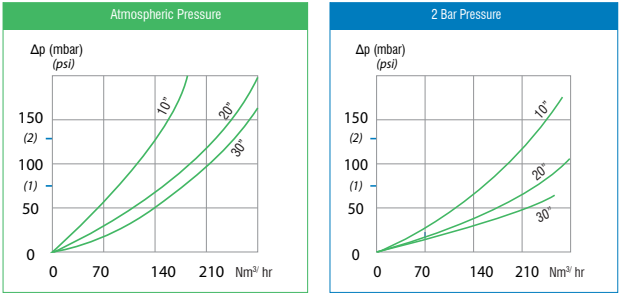


MICROFLUORO is an absolute-rated polytetrafluoroethylene (PTFE) membrane filter that offer the highest level of assurance of chemical compatibility and filtration performance in aggressive chemicals, prolonged hot air service and other severe process conditions. MICROFLUORO offers superior flow rates and long service life. The highly porous membrane is inherently hydrophobic and offers maximum chemical compatibility with minimal extractable in a wide range of fluids and applications. Support components are all-polypropylene, and all-PTFE option is also available.

Features and Benefits	
Inert PTFE and Polypropylene component	Wide chemical compatibility and permits in a broad range of fluids and applications
Highly porous PTFE membrane	Assure high flow rates, long service life and maximum chemical resistance with minimum extractables .
Inherent hydrophobic membrane	Provides a natural barrier to water without use of additives or surface modifying agents which can leach or wash out
Rugged thermally bonded construction	Ensures reliable integrity under severe process conditions and withstands multiple sterilizations
Biologically inert and Non toxic	Meets FDA requirements, bio safety incompliance with USP class VI biological reactivity test passes
High pleated area, robust membrane construction	Enables extremely economical installations and energy savings due to high flow rates and low pressure drops
Variety of seal configurations	Allow for retrofit in various filter vessel design
Absolute rating	Deliver precise contaminant retention at rated level



Material of Construction	
Filter Media	Polytetrafluoroethylene
Support Layer	Polypropylene
Cage / End Caps	Polypropylene
Core	Polypropylene / SS
O-Rings	Refer Ordering Guide
Micron Rating	
Microns (μ)	0.2
Standard Sizes (Nominal)	
inch	10, 20, 30, 40
Outside Diameter (Nominal)	
inch	2.75
Inner Diameter (Nominal)	
inch	1.1
Filtration Area / 10” cartridge (Nominal)	
m²	0.60
Operating Parameters	
Temperature °C / °F [Max]	80 / 176
Pressure [Max] Bar / psi	4 / 58 @ 60°C 2.4 / 34.8 @ 82°C
Steam Sterilization [Max]	121-135 °C (30-60 mins)
Hot Water Sanitization	85° c / 30 mins
Integrity Test data (Min. Bubble point, 60% IPA)	
Pore Size (μm)	Pressure Bar   psig
0.2	≥1.0   14



- ☒ Absolute Rated
- ☒ Pleated Cartridge
- ☒ 100% Integrity Tested
- ☒ WFI Flushed
- ☒ Steam Sterilizable
- ☒ Sterile Application
- ☒ PTFE Membrane
- ☒ Double O-ring

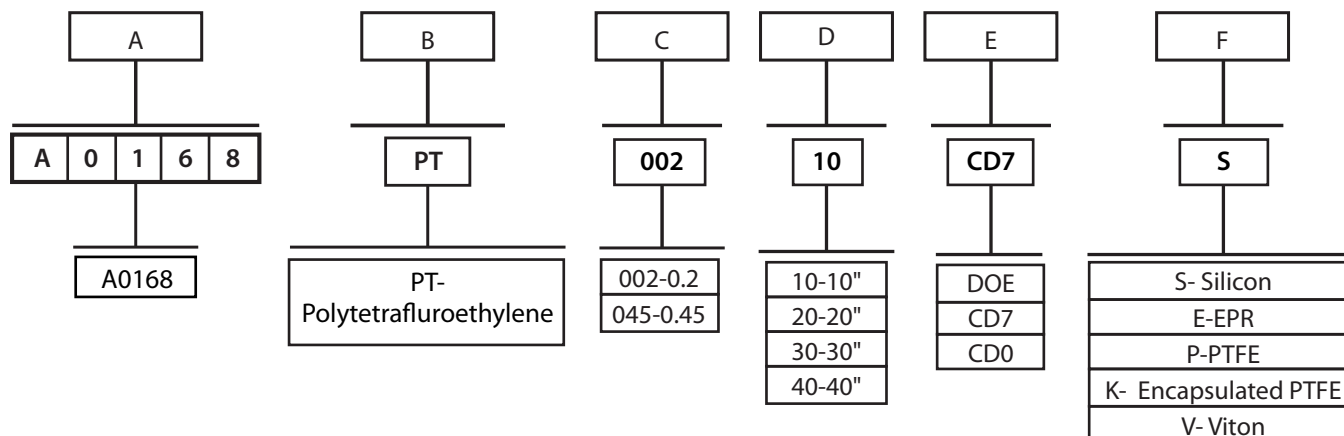
BIOFILT  
Sterila Air

CHEMFILT  
Solvents, Drug Solutions, Air, Gas

BEVFILT  
CO<sub>2</sub> Air

PHARMAFILT  
Air, Nitrogen

LIFEFILT  
Solvents

**MICROFLURO FILTER MEDIA**


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



**www.microfiltindia.com**

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Note: Specifications and dimensions may change. Please check with us before ordering.