



## Hydrophobic PTFE Membrane Pleated Filter Cartridges



## General Description

Fucome company PTFE Membrane Filter Cartridges are manufactured with great retentive hydrophobic polytetrafluoroethylene (PTFE) membrane, provides excellent chemical compatibility with high thermal stability and superior flow per surface area make it are sterilizing grade filters. These cartridges are designed for critical filtration of compressed air/gas, vent air and aggressive solvents. Each unit is pre-flushed with ultra-pure water and integrity tested before release from manufacture.

# Typical Applications

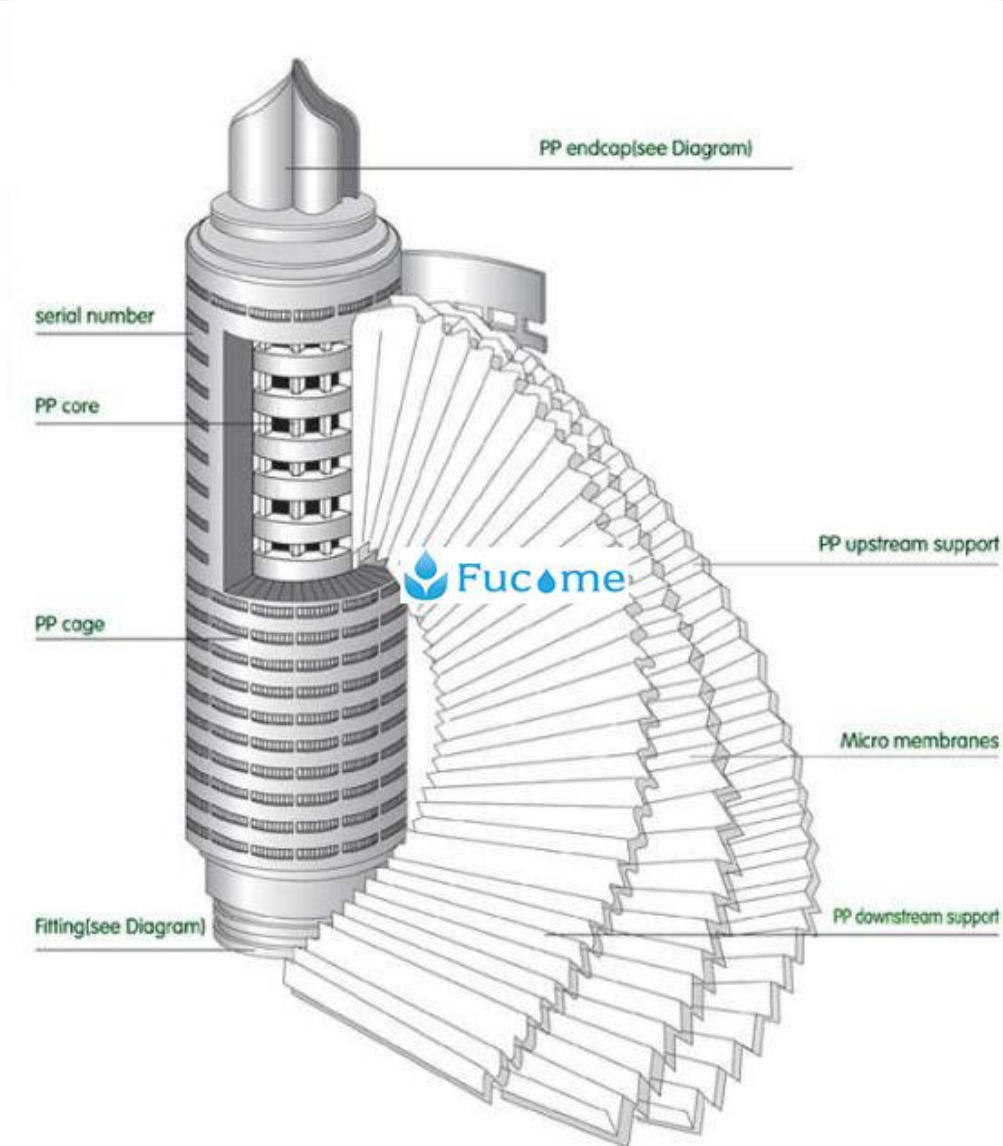


- Fermentation tank.
- Vent filter of hold tank
- Solvents, chemical industry.
- Semiconductor, ultra pure water system
- Food and beverage, drinking water treatment.
- Electronic /Oil industry.

## Product Features

- Excellent performance of high temperature-resistance & good endurance.
- Hydrophobic pleat membrane with high efficiency.
- Low pressure drop, high flow rate, long service life
- Good strength with resistance to forward and reverse pressure shock
- Great chemical compatibility and long service life

## Inner structure





**MICRON PLEATED FILTER  
CARTRIDGE STRUCTURED BY TWO  
LAYERS MAIN MEMBRANE ,EACH OF  
MAIN MEMBRANE HAS A LAYER OF  
5MICRON MEMBRANE. ITS  
INCREASED THE EFFICIENCY OF  
FILTRATION AND LONG SERVICE  
LIFE OF MAIN MEMBRANE BY  
USING THIS 2GRADE FILTRATION**

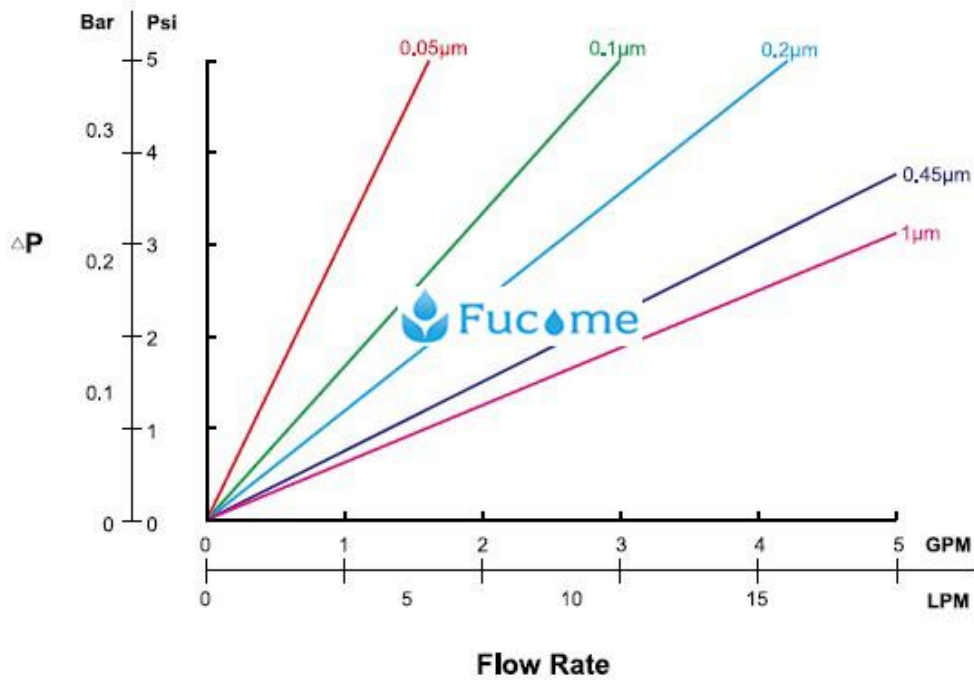


## Workshop & Lab



The workshop and test production equipment in Fucome was approved by GMP many times. Dozens of auto and semi-auto production line, make it have the capability of producing millions of filter cartridge per year.

## Pressure-Drop Rate



## Specifications

Max. Operating Temperature	90°C (194°F)
Max. Differential Pressure	4.8 bar at 20°C (70 psi at 68°F) 2.1 bar at 90°C (30 psi at 194°F)
Recommended Change Out Differential Pressure	2.4 bar (35 psi)
Sterilization Temperature Time	121°C (250°F) for 30 minutes at 1.0 bar (4 psi)

Filter Media	Hydrophobic PTFE
Length	5", 10", 20", 30", 40"
Micron Rating	0.05, 0.1, 0.2, 0.45, 1μm
Outside Diameter	2.75" (70mm)
Core	Polypropylene/SUS316
Filter Support	Polypropylene
Gasket/O-ring	Silicone, EPDM, Viton, Teflon encapsulated Viton
End Cap/Cage	Polypropylene

## Cartridge Adapter



- Various end caps fit for different housings
- Special specification end caps can be customized

## Packing



- Firstly plastic bag packed
- Then put into cartons.
- Finally packed in standard export box or packed in pallet.
- We can also package it according to your requirements

Quantities per carton are as follows:

·10"(254 mm)	50 pcs/ctn	·20"(508 mm) .....	25 pcs/ctn
·30"(762 mm) .....	25 pcs/ctn	·40"(1016 mm) .....	25 pcs/ctn

## Order Guide

FCPTFEM	Micron Ratings	Filter Media	Length	Gasket/O-ring	End Cap
Fucome PTFE Membrane Pleated Filter Cartridges	0.05 :0.05µm	HP: Hydrophobic PTFE	5: 5"	S-Silicone	A:Flat Gasket Double Open End
	0.1:0.1µm		9.8:9.8"	E-EPDM	B:2-222 O-ring with Flat End
	0.2:0.2µm		10:10"	N:NBR	C:2-226 O-ring with Flat End
	0.45:0.45µm		20:20"	V-Viton	D:2-222 O-ring with Fin
	1:1µm		30:30"	T-Teflon Encapsulated Viton	E: 2-226 O-ring with Fin
			35:35"		
			40:40"		
			Other Customized Sizes		

For Example:

FCPTFEM-0.1-HP-10-S-A

Fucome Hydrophillic PTFE Membrane Pleated Filter ,Rating:1µm ,Filter Media: Hydrophillic PTFE,Length:10",Gasket/O-ring:Silicone, End Cap:Flat Gasket Double Open End

## Fucome DNA

- Good reputation with reliable service**
- Superior filter media with reasonable price**
- Advanced technique with leading design**
- Strict quality control with timely delivery**



## Partners



**Fucome Filtration Co., Ltd.**

**www.fucome-filtration.com**

**Tel: +86-752-8491916 , Fax: +86-752-2203183**

**E-mail: [vincent@fucome-filtration.com](mailto:vincent@fucome-filtration.com) , [info@fucome-filtration.com](mailto:info@fucome-filtration.com)**

**Address: No.9 Ban zhang hu 1st Road, Henan'an, Huicheng District, Huizhou,  
Guangdong, China P.C. 516001**