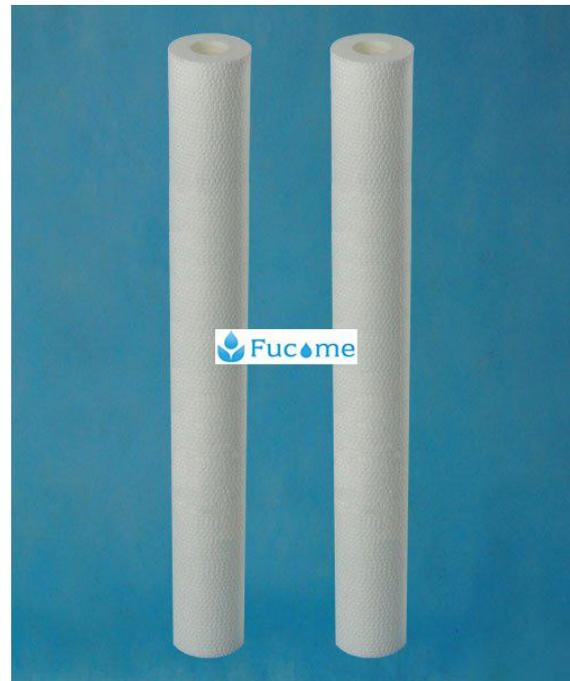




## Cavity Melt Brown Filter Cartridge



## General Description

To meet the requirement inland and abroad, new type of melt brown filter with cavity surface was developed. PP filter element fusing and intertwined of polypropylene resin without any chemical glues. More aperture and a deep filtration structure which is loose outside and dense inside make it high efficiency, pressure drop reduction and good acid and alkali-resistance property, and impurities such as suspension substances, particles, iron scale and the like in liquid can be effectively removed.

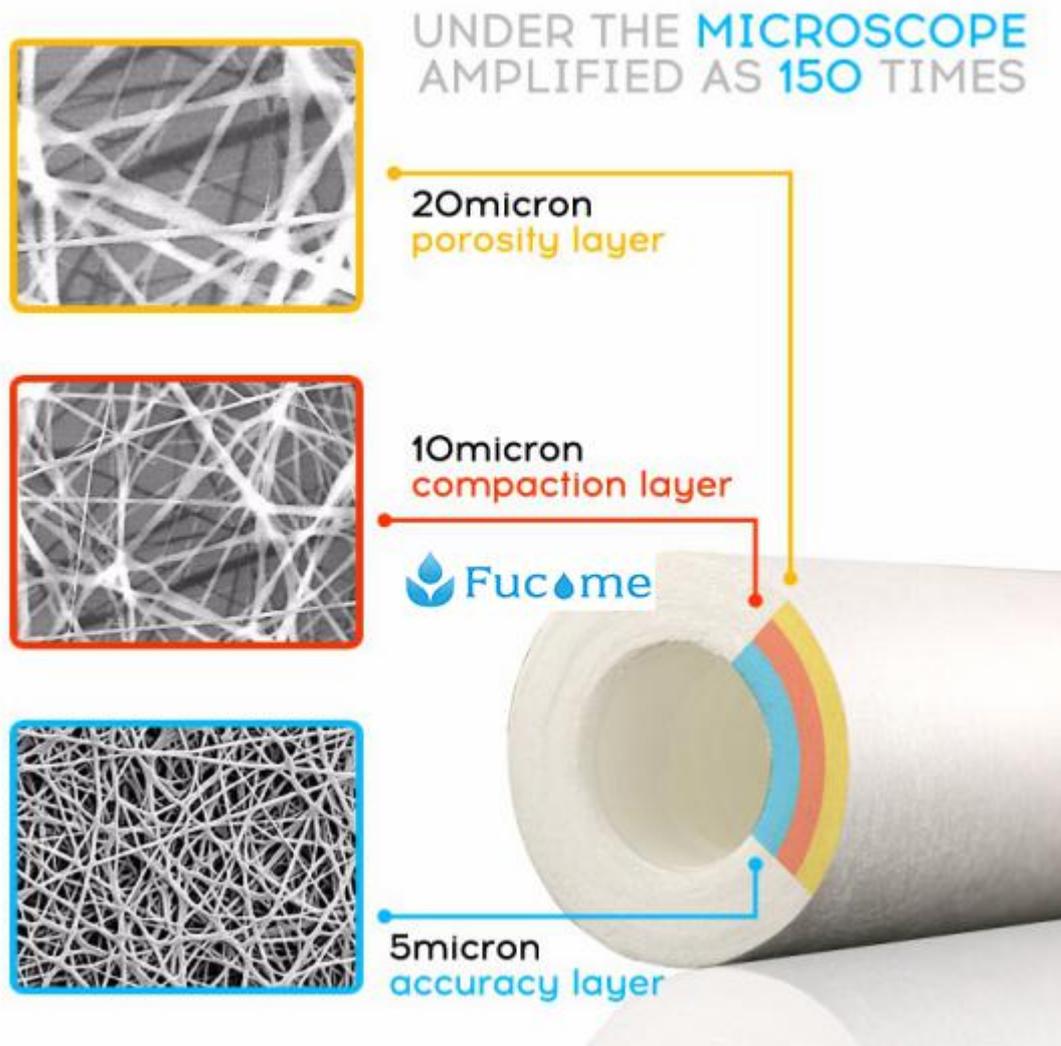
## Typical Applications

- Prefiltration for Industrial water ;
- Paint, coating, petroleum chemical industry
- Bottled water, wine, beer pre-filtration in food & beverage industry ;
- Prefiltration before RO system in electronics process water;
- Organic solvents, inks, plating solution, metal cutting, fluids

## Product Features

- All polypropylene construction
- High strength and pressure resistance
- Unique proprietary process
- High efficiency & pressure drop reduction
- No surfactants, binders, or adhesives
- Many connections (DOE, 226, 222 End caps) are available;

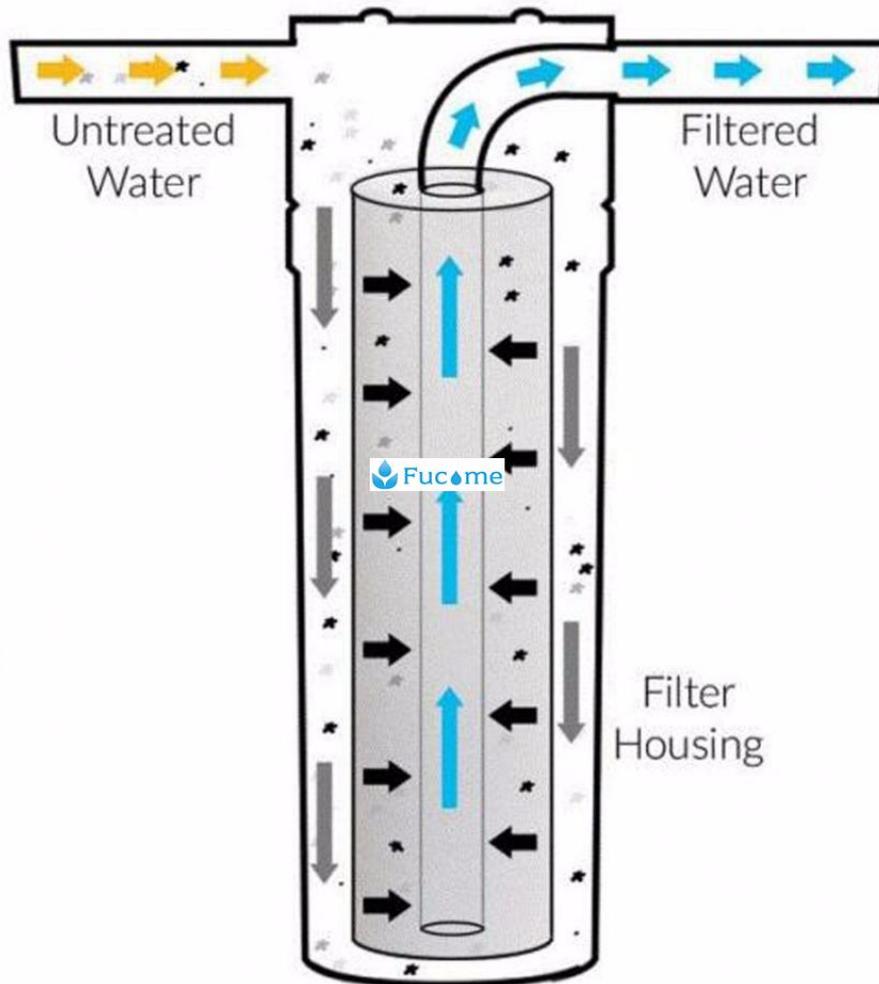
## Inner structure

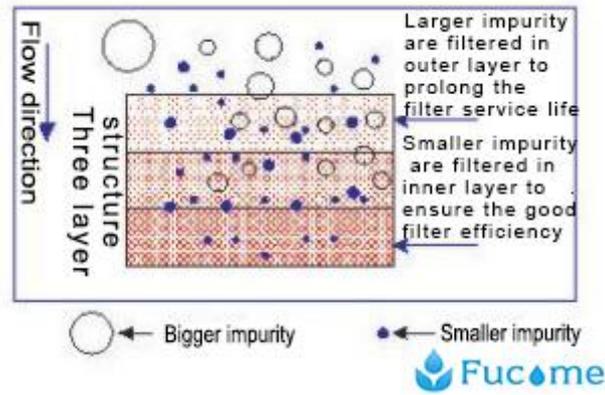


- 100% polypropylene with great chemical resistance
- The structure is fine to coarse from inner to outer layer
- Multi-layer structure and depth pattern ensure good filtration efficiency
- Thermal bond without any binders and adhesives

## Functional Diagram

Melt Blown Sediment filters are constructed by using Multi-layers for true depth filtration. The graded density construction captures particles throughout the entire cross section of the cartridge and reduces surface binding. The cartridges combine quality and cost effectiveness to provide excellent filtration value. Available in a variety of micron ratings and sizes.





- Larger particles are filtered in coarse outer layer
- Smaller particles are filtered in fine inner layer

## Working Example

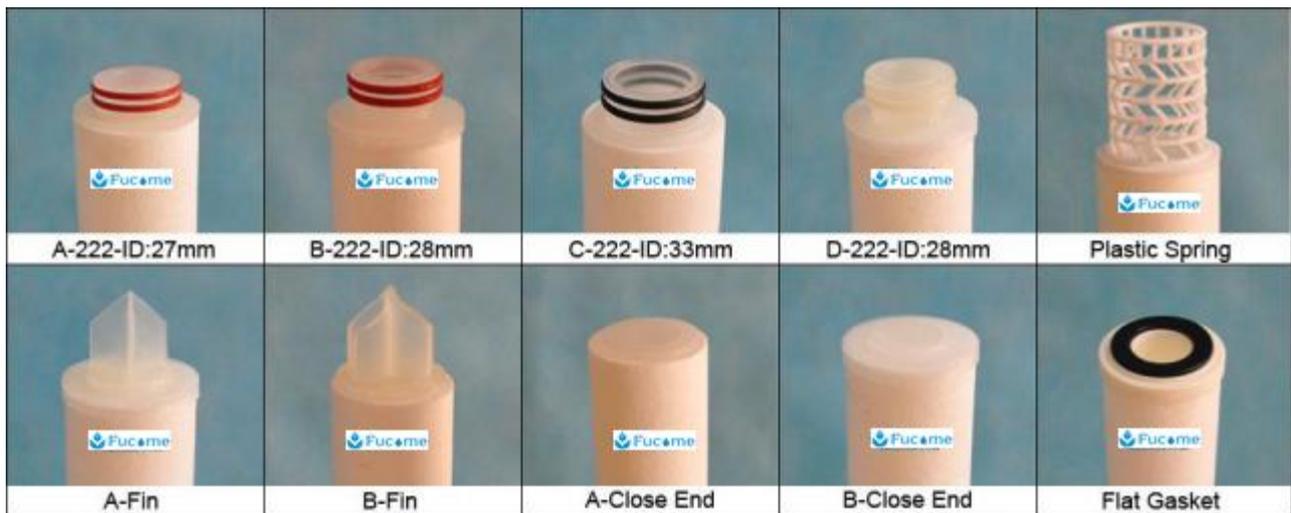


Indication of when the melt blown filter should be replaced



- Fucome melt blown depth filters use for pre-filtration of industry DI & RO system
- Particles are trapped in multiple depth structure layers while central core is still not polluted
- High quality and good filtering effect help enhance the long service life and save much cost

## Cartridge Adapter

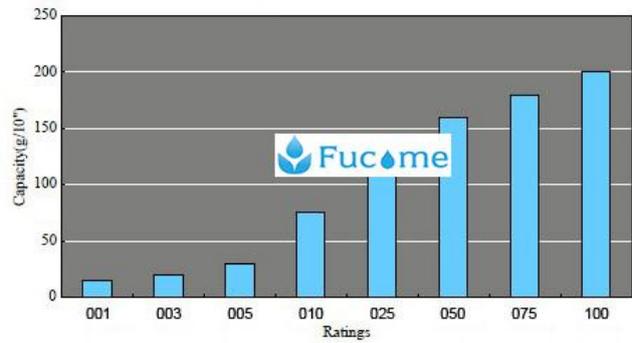
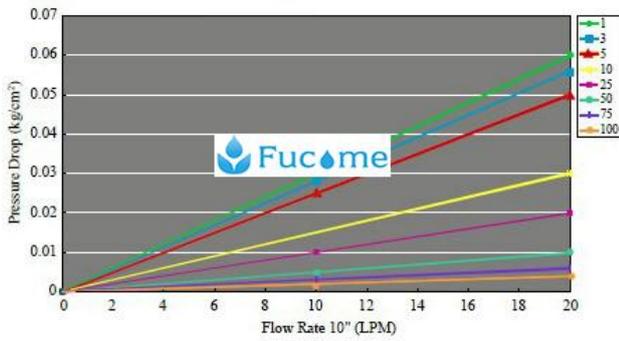


- Various end caps fit for different housings
- Special specification end caps can be customized

## Efficiency of Filtration

spec.	Retention Efficiency (%) 							
	1µm	3µm	5µm	10µm	25µm	50µm	75µm	100µm
001	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
003	89.3	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
005	75.9	91.2	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
010	——	——	87.3	>99.9	>99.9	>99.9	>99.9	>99.9
025	——	——	69.9	92.8	>99.9	>99.9	>99.9	>99.9
050	——	——	——	58.1	74.9	>99.9	>99.9	>99.9
075	——	——	——	——	63.9	90.5	>99.9	>99.9
100	——	——	——	——	60.1	87.4	92.8	>99.9

## Pressure-Drop Rate & Capacity of Dust



## Specifications

Max. Operating Temperature	80 °C
Max. Differential Pressure	1.2kg/cm <sup>2</sup> at 80 °C 2.1kg/cm <sup>2</sup> at 60 °C 4.2kg/cm <sup>2</sup> at 20 °C
Recommended Change Out Differential Pressure	2.1 kg/cm <sup>2</sup>

Filter Media	Polypropylene
Length	5",9.75"9.8",10",20",30",40",50"
Micron Rating	1, 3,5, 10, 25, 50, 75, 100 µm
Inside Diameter	1.1"(28mm), 1.2"(30mm)
Outside Diameter	2.36"(60mm),2.4"(61mm), 2.5"(63mm), 2.55"(65mm)
Core	Polypropylene
Gasket/O-ring	Silicone, EPDM, Viton, Teflon encapsulated Viton
End Cap	Flat ,222 O-Ring,226 O-Ring,Fin

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
·50"(1270mm).....	25 pcs/ctn	·60"(1524mm).....	25 pcs/ctn

## Order Guide

Normal type : FCCPP-D-M-Rating-Length

FCCPP	ID	OD	Rating	Core	Length	End Cap Type	Seal material
Fucome Cavity Melt Blown Filter Cartridges	D:28mm	J:60mm	01:1µm	W:With Core	5: 5"	I -222/Flat end	V:Viton
	E:30mm	K:61mm	03:3µm	N:Without Core	9.75:9.75"	II -222/Fin	S: Silicon
		M:63mm	05:5µm		9.8:9.8"	III-226/Flat end	E:EPDM
		Y:65mm	010:10µm		10:10"	IV-226/Fin	B:NBR
			025:25µm		20:20"		
			050:50µm		30:30"		
			075:75µm		40:40"		
			100:100µm		50:50"		
	Special requirement Cavity PP Spun Filters could be customized						

For Example:

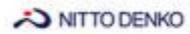
--FCCPP-D-M-05-N-10

--Cavity PP Melt Blown Filter Cartridges-ID:28mm -OD:63mm-Rating:5µm -Without Core-Length 10"

## 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

ROHM  
HAASDOWPUROLITE  
THE ECONOMIC CHOICENITTO DENKOGRUNDFOSTORAY  
Innovation by ChemistryGRUNDFOS3MCANPURE

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