



Orange PP Melt Blown Filter Cartridges



General Description

Orange Surface Melt Blown Filter Cartridges are manufactured by thermally bonded depth filtration through advanced technological innovation for some critical requirement of liquid process application. The rough surface like the orange peels increased the filtration area and higher dirt holding capacity. The kind of PP melt brown filter is harder than standard pp spun filter cartridge which allow strong pressure resisting ability, consistent particle removal efficiency as well as the long service life and great save of the filtration cost.

Typical Applications

Chemicals and Solvents	Electronic Industry	Industrial water treatment
Petrochemical Process	Pharmaceutical	Prefiltration in waterflood
Process cooling water	Food & beverage	Sea water desalination

Product Features

- Thermally self-bonded micro-fiber construction
- Orange peel finish surface enlarge the filtration area and dirt holding capacity
- harder construction ensure the pressure resistance ability
- No fiber releasing and media migration
- Long service life and help on reduction of filtration system cost
- 100% PP for compatibility with a wide range of process fluids

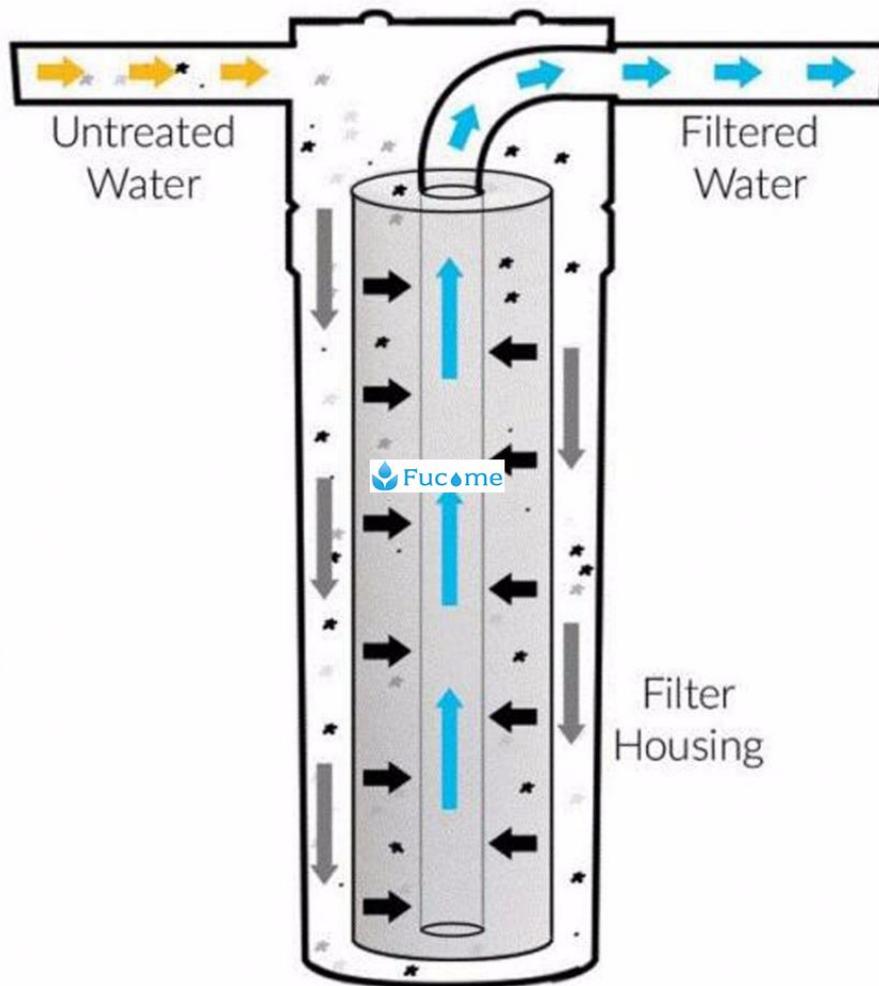
Inner structure

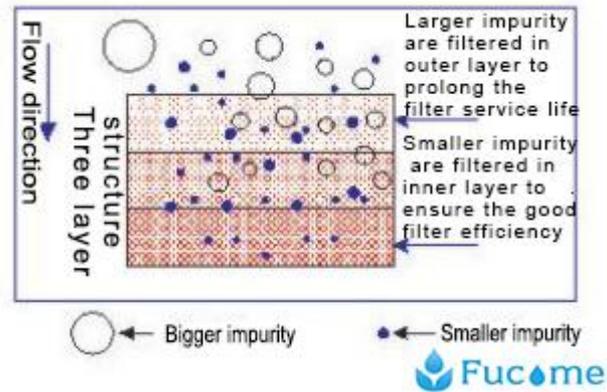


- 100% polypropylene with great chemical resistance
- The structure is fine to coarse from inner to outer layer
- Multi-layer structure and depth pattern ensure good filtration efficiency
- Thermal bond without any binders and adhesives

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

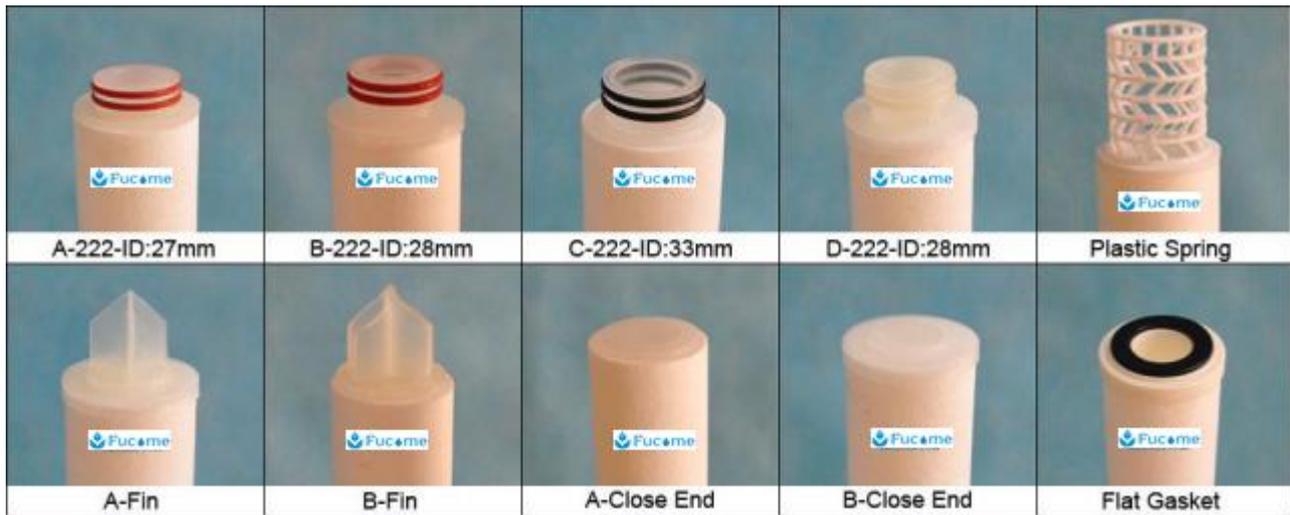


Indication of when the melt blown filter should be replaced



- 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

Specifications

Max. Operating Temperature	60 °C
Max. Differential Pressure	4.0 bar at 20 °C (58 psi at 68°F) 2.0 bar at 60°C (29 psi at 140°F) 1.0 bar at 60°C (14 psi at 140°F)
Recommended Change Out Differential Pressure	2.0 bar (29 psi)

Filter Media	Polypropylene
Surface treatment	Orange finished
Length	5",9.75",9.8",10",20",30",40",50"

Micron Rating	1,5, 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, Spring

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 : FCOPP-E-M-Rating-Length

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

For Example:

--FCOPP-D-M-01-N-50- I - S

--Orange Surface PP Melt Blown Filter Cartridges-ID:28mm -OD:63mm-Rating:1micron-Without Core-Length 50"-222/Flat-Silicon

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



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