



## ***Melt Blown Cartridges Series***

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Melt Blown Cartridge Introduction

*The CPP Series Melt Blown Depth Filter Cartridges is truly a high technology innovation in filtration. It takes advantages of our innovated continuous multi-extruded technology and the latest melt blowing micro-fiber technology. Its High Efficiencies/Flow rates not obtainable with other depth type cartridges are possible with CPP cartridges.*

*CPP Series Melt Blown Depth Cartridges were designed to have continuously graded pore structure which provides both pre-filtration and final-filtration. Our multi-extruded controlling technology can precisely control the micro-fiber's diameter and density varying from inner to outer of the cartridge. Pore size differentiation is achieved using fibers of differing diameters and maintaining uniform density throughout the cartridge.*

*CPP Series Melt Blown Depth Cartridges produced with pure Polypropylene resin, which meets the requirement of the FDA Title 21 of the Code of Federal Regulations 177.1520 for direct and indirect food contact.*

*We are working on the next generation of cartridges. Our goal is to provide the best products and services to our customers and share the benefits from the innovation of filtration technology.*

### Available Products

P/N CODE	MICRO RATIO							
	0.5	1	5	10	25	50	75	100
CPPM		▲	▲	▲	▲	▲	▲	▲
CPML		▲	▲	▲	▲	▲	▲	▲
CPPH	▲	▲	▲	▲	▲	▲	▲	▲
CPHL	▲	▲	▲	▲	▲	▲	▲	▲
CPPX		▲	▲	▲	▲	▲	▲	▲
CPPS	▲	▲	▲	▲	▲	▲	▲	▲
CPPA	▲	▲	▲	▲	▲	▲	▲	▲
CPPV		▲	▲	▲	▲	▲	▲	▲

Remarks: ▲ : Available micron ratio

### Filter Cartridge Code Identification

CPPM-Standard Polypropylene melt blown/Nominal Ratio,Removal efficiency >85%

CPPH-High density Polypropylene melt blown/orange surface/High weight/ Nominal Ratio, Removal efficiency >98%

CPPX-High Flux polypropylene melt brown/cut grooves/Middle weight/Absolute Ratio,Removal efficiency >90%

CPPV-High Flux and long life polypropylene melt blown/Glues supporting fiber achieved/Middle weight/Absolute Ratio,Removal efficiency >98%

CPPS-High density Polypropylene melt blown/Heated grooves/High weight/ Absolute Ratio,Removal efficiency >95%

CPPA-High density Polypropylene melt blown/Heated glazed /High weight/ Absolute Ratio, Removal efficiency >99%

CPML-PP melt brown cartridges with pp supporting central cores/Nominal Ratio,Removal efficiency >85%

CPHL-High density Polypropylene melt blown with pp supporting central cores/orange surface/ High weight/Absolute Ratio, Removal efficiency >98%

### Chemical Compatibility

Cartridge Materials	Grade	Max. Temp. (°C)	Weak Acids	Strong Acids	Weak Alkali	Strong Alkali	Solvent
Polypropylene	Sanitary	93	Excellent	Excellent	Excellent	Excellent	Fair

### Order Information

**CPPM - 64 - 005 - 10 H - S**

/ / / / / /

**Materials:**  
please see above  
Filter Cartridge  
Code Identification

**OD(mm)**  
043=43mm  
064=64mm  
068=68mm  
114=114mm

Customer's design  
can be provided

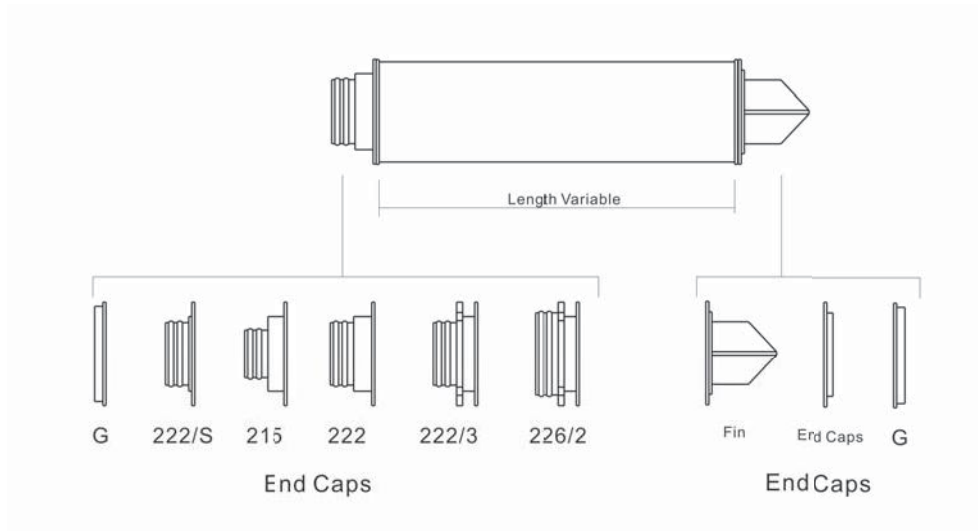
**Micro Rating(μm)**  
05A=0.5μm  
001=1μm  
005=5μm  
010=10μm  
025=25μm  
050=50μm  
075=75μm  
100=100μm

**Length (inch/mm)**  
0.5=5"(127mm)  
10=10"(254mm)  
10A=9-3/4"(247mm)  
10B=9-7/8"(250mm)  
20=20"(508mm)  
30=30"(762mm)  
40=40"(1016mm)  
50=50"(1270mm)

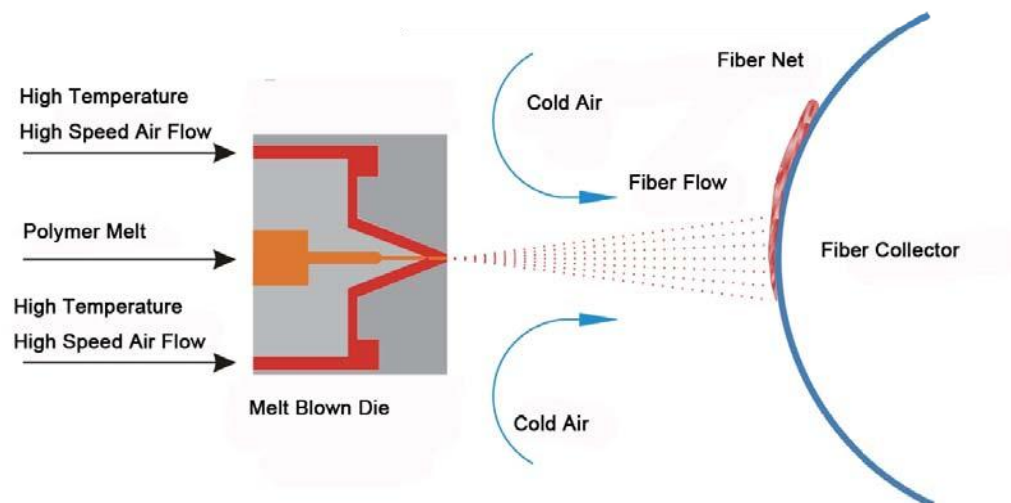
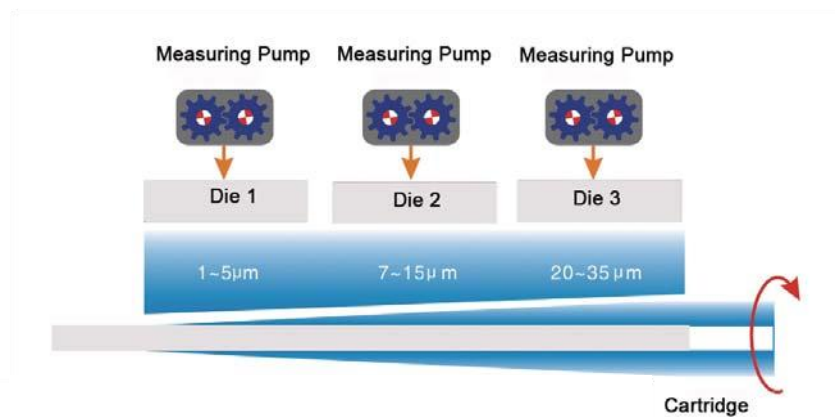
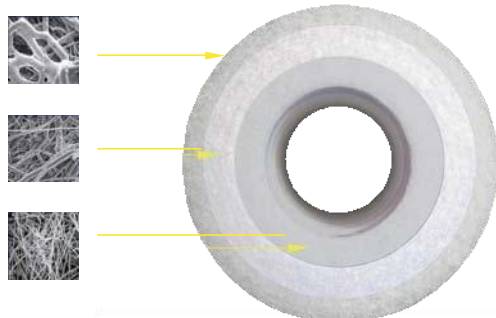
**Adapter**  
A:SOE226 flat O-ring  
B:SOE222 flat O-ring  
C:SOE222 spear  
D:SOE226 spear  
H:DOE Double open

**Seal Ring Material**  
B:Buna rubber  
S:Silicon  
E:EPDM  
V:Viton

## End Caps



## Structure



### Standard PP Melt Blown Cartridges

Standard PP nominal rated melt-blown cartridges are produced with exclusively FDA CFR Title 21 compliant virgin Polypropylene microfiber and produced in continuous length by the latest melt-blown technologies. The filter media graded pore structure is generated by controlled microfiber diameter variations, ours are more advanced and featured by enhanced filter media integrity and strength, increased contaminant holding capacity and extended service life.

CPPM Series are industrial standard melt-blown Polypropylene cartridges. Singed inner core surface, singed exterior treatment to prevent loose fiber migration. Continuous length. Smooth finish. CPML is Used the same filter media and structure as CPPM and lined with Polypropylene core, CPML Cartridges feature added integrated strength, and are suitable for high pressure differential applications.

### Features

- Micron range: 1,5,10,25,50,75,100 micron.
- Length: Log made of continuous length. 10~40" normal length. Custom cut available.
- Efficiency: Nominal rating, 85% contaminant particle retention efficiency with a single pass.
- Media grade: Exclusively FDA compliant media, no silicon and other types of contamination.
- High flow rate, low pressure drop
- Large contaminant retention capacity, extended service life.
- Optimum replacing pressure differential 0.15MPa, Max. 0.25MPa
- Broad chemical compatibilities.



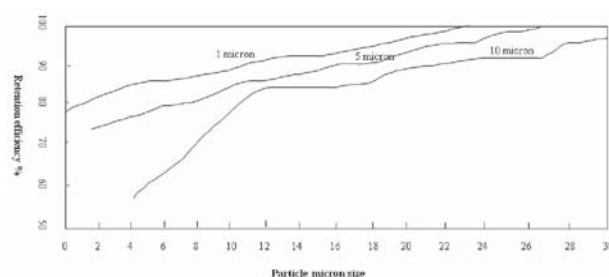
### Specifications

Product Code	Description	Length	Micron	Efficiency	Change-out Pressure Max.	Filtration Type	Max. Operating Temperature
CPPM	Smooth finish, none core	10~40"	1~100µm	Nominal	0.35 MPa	Depth	80°C@0.1MPa
CPML	Smooth finish, with core	10~40"	1~100µm	Nominal	0.45 MPa	Depth	80°C@0.1MPa

### Applications

- Pre-filter of drinking water system
- Pre-filter of R.O system and others water system
- Oil removal industry
- Food and beverages industry
- Photographic industry
- Pharmacy industry
- Electroplating, etching and image development processes in PCB industry
- Filtration of electroplating fluid in conventional electroplating industry
- Trap filter of DI water filtration system for industry

### Filter Retention Efficiency Test



1. The test is performed under laboratory conditions. It should not be used as an accurate universal indication of actual filter performance as customers' specific operating conditions may vary.
2. This graph is for CPPM001, CPPM005, CPPM010, CPML001, CPML005, CPML010, only, if you need more information, please send your requirement to [megafilter@megafilter.com.br](mailto:megafilter@megafilter.com.br)



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