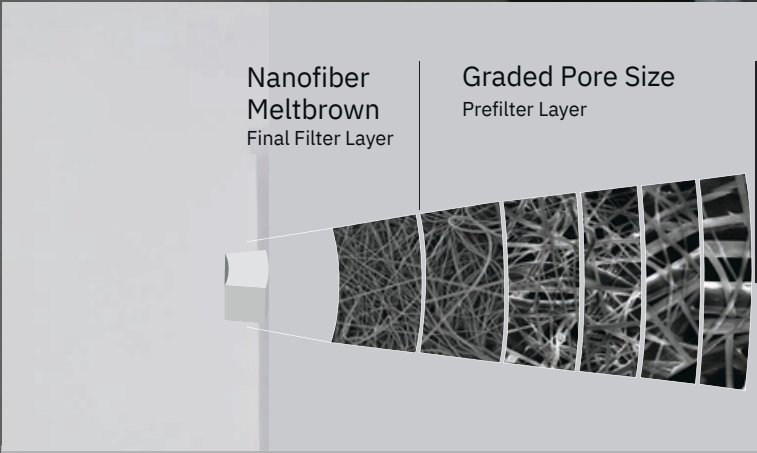


Meltgradient™ High-efficiency Depth Filter

Melt-Blown Cartridge with Absolute Filtration Rate



Microbiological
Stability

Meltgradient series is the PP melt-blown cartridge with the absolute filtration rate. It adopts the reasonable gradient pores configuration, cooperating with the structure of "deep". The cartridge is capable of efficiently capturing particles of different sizes, and its flow rate and life are not inferior to the pleated cartridge. Polypropylene raw material that meets FDA requirements, with extensive chemical compatibility, suitable for filtering inks, coatings, solvents, deionized water, etc.

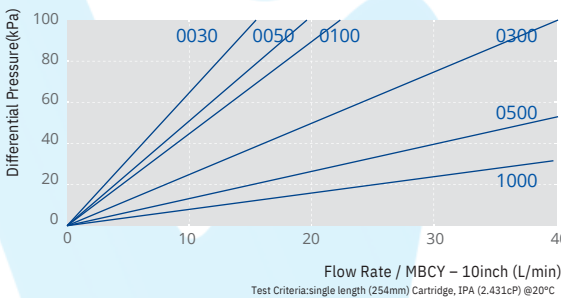
Features and Benefits

- Particle interception efficiency is up to 99.9%. For the structure with gradient pores, the inner layer is interwoven with high density nano-fibers.
- Long service life, high flow rate. Due to the polypropylene fiber with different linear diameters and unique interwoven density control process, Meltgradient™ has a porosity far beyond that of similar products, which means lower pressure loss across the cartridge and higher dirty holding capacity.
- High purity. Using long fiber fusion and spray process, continuous fiber hot melt interweave into rich and stable pore structure. No adhesive or surfactant, no silicone oil, low precipitate;
- Extensive chemical compatibility. Fully polypropylene structure, complete series with reinforced center bar and optional external frame/end cover, the 68MBCY type . The cartridge can withstand the pressure difference of 4Bar and avoid short circuit of material caused by deformation of cartridge core when using.
- Wide range of optional filtration rate. It is available from 0.3um to 120 um, which meets various operating conditions.

Application

- Printing Ink, Inkjet Ink, Dyestuffs
- Automotive Paints, Hard Coatings
- Monomer, polymers, solvent
- D.I. water prefiltration and post filtration,
- R.O. water prefiltratio, makeup water

10" MBCY Flow Rate Characteristic



Filtration Efficiency

Particle Size MBCY(μm)	0.3	0.5	1.0	3.0	5.0	10	15	30
≥0.5μm	99.99%	99.98 %	95.73%	\	\	\	\	\
≥1.0μm	100.0%	100.0%	99.98 %	99.0%	97.3%	89.1%	90.6%	86.5%
≥2.0μm	100.0%	100.0%	100.0%	99.8%	98.3%	99.2%	99.0%	93.6%
≥3.0μm	100.0%	100.0%	100.0%	100.0%	99.9%	99.9%	99.8%	99.9%
≥5.0μm	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
≥8.0μm	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
≥10.0μm	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
≥12.0μm	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
≥25.0μm	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
≥35.0μm	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
≥50.0μm	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
≥70.0μm	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
≥90.0μm	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Ordering Information

Removal				End Cap		Core Material	Nominal Lengh	Seal Material	
MBCY 68MBCY	001	=0.1μm	100	=10μ	DOE =Double Open End	P =Polypropylene	05 =5"	S=Silicone	- 28C
	0	=0.2μm	0	m	TC =222/Flat Cap		10 =10"	E=EPDM	
	002	=0.3μm	200	=20μ	TF =222/Fin Cap		20 =20"	V =Viton	
	0	=0.5μm	0	m	SF =226/Fin Cap		30 =30"	P=PFA	
	003	=1.0μm	300	=30μ	SC =226/Flat Cap		40 =40"	N=None	
	0	=3.0μm	0	m	N = No Gasket				
	005	=5.0μm	400	=40μ	H = PE Gasket				
	0	=6.0μm	0	m					
	010	=7.0μm	700	=70μ					
	0		0	m					
	030		900	=90μ					
	0		0	m					
	050		0	m					
	060		0	m					
Please contact us for more information									
Hangzhou Copetter Filtration Equipment Co.,Ltd									

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