MBCX Melt-Blown Filter

Polypropylene Depth Filtration - Partical Removal



Cobetter MBCX Filter Cartridges are made of non-woven polypropylene with no surfactants, binders, or adhesives. These filters have long service life & high dirt holding capacity. They are suitable for the water treatment industry.

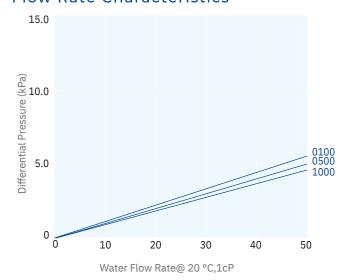
Features and Benefits

- 100% pure polypropylene depth filter with high dirt holding capacity.
- No wetting agents, solvents, surfactants, binders,
- or adhesives.
- Reduced filtration cost
- No fiber-releasing

Typical Applications

- Water treatment
- Potable water filtration
- Cooling water systems

Flow Rate Characteristics





Materials of Construction

Filter Media	Polypropylene
Inner Core	Polypropylene
End Caps and Adaptors	Polypropylene
Nominal O.D.	63 mm
Nominal I.D.	28 mm

Operating Conditions

Max. Operating Temperature	60°C	
Max. Changeout Differential Pressure	35 psid (2.41 bar)	

Ordering Information

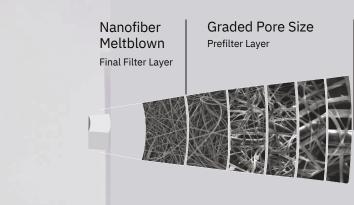
MBCX	Removal Ratings	End Cap	Nominal Length	Seal Material
	0100=1.0µm	H = PE Gaskets	10 = 10"	S = Silicona
	0500=5.0µm	TC = 222 o-ring/ at cap	20 = 20"	E = EPDM
	1000=10 μm	TF = 222 o-ring/ n	30 = 30"	V = Viton
		SF = 226 o-ring/ n	40 = 40"	
		DOE = Double Open End	50 = 50"	



Meltgradient™ High-efficiency Depth Filter

Melt-Blown Cartridge with Absolute Filtration Rate





Microbiological Stability The Meltgradient ™ series is a PP melt-blown cartridge with absolute filtration rate. The gradient pore configuration, together with it's depth structure makes for a more efficient filter. The cartridge is able to capture particles of different sizes, with a high flow rate & long service life. The polypropylene raw materials meet FDA requirements, with extensive chemical compatibility, suitable for filtering inks, coatings, solvents, deionized water & more.

Features & Benefits

- Particle interception efficiency is up to 99.9%. the inner layer of the gradient pore structure is interwoven with high density nano-fibers.
- Long service life & high flow rate
- Polypropylene fiber with different linear diameters & unique interwoven density control process.
- Meltgradient[™] has a porosity far superior to similar products, which means lower pressure loss across the cartridge & higher dirt holding capacity.
- High purity due to long fibre fusion & spray process, resulting in a stable pore structure with no adhesives, surfactants or silicone oil and low precipitate.
- Extensive chemical compatibility.
- Full polypropylene structure with reinforced centre bar & optional external frame/end cover (68MBCY).
- Cartridge able to withstand 4 bar pressure difference.
- Wide range of filtration rates (0.3 120 μm) to meet a variety of operating conditions.



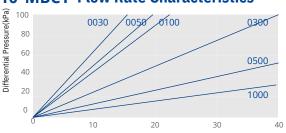
Applications

- Printing ink, inkjet ink, dyestuff
- Automotive paints, hard coatings
- Monomer, polymers, solvents
- D.I. water pre-filtration & post filtration
- R.O. water pre-filtration, makeup water

Materials of Construction

Filter Medium	Polypropylene
Core/Cage/End Caps	Polypropylene
O-Rings	Refer to ordering information
O.D. (mm)	2.51" (64mm)
I.D. (mm)	1.10" (28mm)

10"MBCY Flow Rate Characteristics



Flow Rate / MBCY – 10inch (L/min)
Test Criteria:single length (254mm) Cartridge,
IPA (2.431cP) @20°C

Operating Conditions

Max. Temperature	80°C
Max. Differential Pressure	4 har / 21°C

Filtration Efficiency

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

Ordering Information

	Removal		End Cap	Core Material	Nominal Lengh	Seal Material	Seal Material	
MBCY 68MBCY	0010=0.1µm 0020=0.2µm 0030=0.3µm 0050=0.5µm 0100=1.0µm 0300=3.0µm 0500=5.0µm 0600=6.0µm	1000 =10μm 2000 =20μm 3000 =30μm 4000 =40μm 7000 =70μm 9000 =90μm	DOE =Double Open End TG=222/Flat Cap TF=222/Fin Cap SF=226/Fin Cap SG=226/Flat Cap № No Gasket H= PE Gasket	P=Polypropylene	05=5'' 10=10'' 20=20'' 30=30'' 40=40''	S=Silicone E=EPDM V=Viton P=PFA N=None	- 28C	

Please contact us for more information



www.vendartfiltration.com.au



High Service Time GUF (Guard Filter) Filter Cartridge Rolled Polypropylene Depth Filter · Long Service Life

Rolled Polypropylene Depth Filtration

Cobetter High Service Time GUF (Guard Filter) Filter Cartridges are made of polypropylene non-woven material. They provide 3x greater lifetime than meltblown filters. These filters are generally used where longer lifetime, high dirt holding capacity, and low change-out frequency are required. They are suitable for use in the water treatment industry.

Features and Benefits

- 100% pure polypropylene depth filter with high dirt holding capacity
- 3x longer lifetime than meltblown filters
- No wetting agents, solvents, surfactants, or binders, or adhesives
- Reduce filtration cost
- No fiber-releasing

Typical Applications

- Guard Filter for RO System
- Potable Water Filtration
- Cooling Water System
- Plating Baths

Operating Conditions

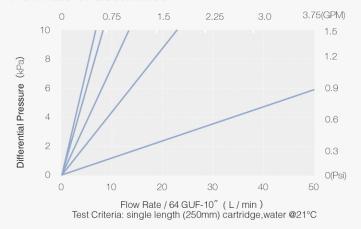
Max. Operating Temperature	158°F/70°C	
Max. Pressure	3 bar / 70°F / 21°C 1.2bar/158°F/70°C	
Recommended Design Flow Rate	0.5 m ³ /hr(10inch)	

Materials of Construction

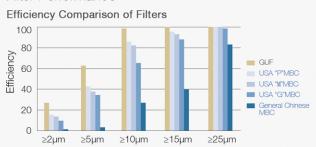
Filter Medium	Polypropylene
Inner Core	Polypropylene
End Caps and Adaptors	Polypropylene
Nominal O.D.	64mm
Nominal I.D.	30mm



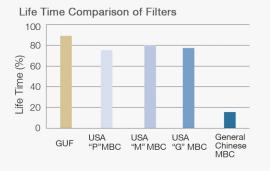
Flow Rate Characterisitcs



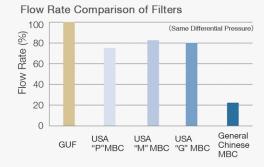
Filter Performance







Brand	Life Time (%)
GUF	90
USA "P"MBC	75
USA"M"MBC	80
USA"G"MBC	78
General Chinese MBC	17



Brand	Flow Rate (%)
GUF	100
USA "P"MBC	75
USA"M"MBC	85
USA"G"MBC	80
General Chinese MBC	25

Ordering Information

GUF	Outer Diameter Blank=64mm 68=68mm	Removal Ratings 0050=0.5μm 0100=1.0μm 0200=2.0μm 0300=3.0μm	End Cap N = No Gasket (standard) H = PE Gaskets TC = 222 o-ring/flat cap TF = 222 o-ring/fin	Nominal Length 10=10 " 20=20 " 30=30 " 40=40 "	Seal Material S=Silicon E=EPDM
		0500=5.0μm 0500=5.0μm 1000=10μm 2000=20μm	SF = 226 o-ring/fin SF = Double Open End	40=40 50=50 "	

End Cap Configurations







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WDC Filter Cartridges

String Wound Depth Filtration · Particle Removal



Cobetter WDC ® Filter Cartridges are made of continuous string wound fiber media which ensures uniform flow throughout the entire filter. These filters have a high dirt holding capacity and flow rates designed for use in process water, beverage, and chemical applications.

Features and Benefits

- Continuously wound pattern
- High dirt holding capacity, high flow rates, and low pressure
- Good chemical compatibility
- FDA, CR 21 Compliant

Application

- Chemicals acids, adhesives, organic solvents, paints, resin
- Food & Beverage beer, soft drinks, syrups, oils



Materials of Construction

Filter Medium	Polypropylene/Bleached Cotton/ Glass Fiber/Washed Polypropylene
Inner Core	Polypropylene/SS304/SS316
Nominal I.D.	28 mm
Nominal O.D.	63 mm

Operating Conditions

Max. Temperature with SS Core	Cotton 149°C (300°F) Polypropylene 93°C (199°F) Glass Fiber 399°C (750°F)		
Max. Temperature with Polypropylene Core	Cotton 60°C (140°F) Polypropylene 60°C (140°F)		
Max. Differential Pressure	4 bar		
Recommended Cartridge	2 bar		

Ordering Information

WDC	Filter Media				Nominal Length
	P=Polypropylene	0050=0.5µm	2500=25µm	P=Polypropylene	05 = 127mm
	PW=Washed Polypropylene	0100=1.0µm	3000=30µm	S=304 SS	10A=250mm
	C = Bleached Cotton	0300=3.0µm	4000=40µm	SL=316L SS	10=254mm
	GF = Glass Fiber	0500=5.0µm	5000=50µm		20A=500mm
		1000=10µm	7500=75µm		20 = 254mm
		1500=15µm	100H=100µm		30A = 750mm
		2000=20µm	150H=150µm		30 = 762mm
			200H=200µm		40A = 1000mm
					40= 1016mm
					50 = 1270mm
					Q = Customized