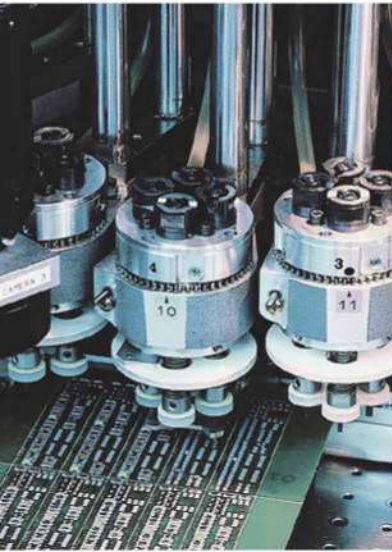




Catalogue 2022

MICROPORE TECHNOLOGY

Electronics
v



Food&Beverage
^



Desalination
^

Drinking Water
v



Power Generation
v



Oil & Chemicals
^



Pharmaceutic
^

Contents

Micropore PP Pleated Filter Cartridge	1
Micropore PES Pleated Filter Cartridge	2
Micropore Hydrophobic PTFE Pleated Filter Cartridge.....	3
Micropore Hydrophilic PVDF Pleated Filter Cartridge.....	4
Micropore Glass Fiber Pleated Filter Cartridge.....	5
Micropore Lenticular Filter.....	6
Micropore High Flow A Filter Cartridge.....	7
Micropore High Flow B Filter Cartridge.....	8
Micropore High Flow C Filter Cartridge.....	9
Micropore High Flow D Filter Cartridge.....	10
Micropore High Flow E Filter Cartridge.....	11
Micropore Filter Bag Replacement Filter Cartridge.....	12
Micropore Light Pleated Filter Cartridge.....	13
Micropore Filter Bag.....	14
Micropore Melt Blown Filter Cartridge.....	15
Micropore String Wound Filter Cartridge.....	16
Micropore Carbon Block Filter Cartridges.....	17
Micropore Carbon Cellulose Filter Cartridge.....	18
Micropore 50mm Hydrophobic PTFE Vent Filter	19
Micropore Chemical compatibility Form.....	20

PP Pleated Filter Cartridge

Micropore PP Pleated Filter Cartridge is constructed of high performance polypropylene filter media. The hard wares are also made from PP. With all PP material, the filter has excellent chemical compatibility for most liquids. The scientifically designed structure makes the filter has good overall performance for removing particles in liquids.



FEATURES

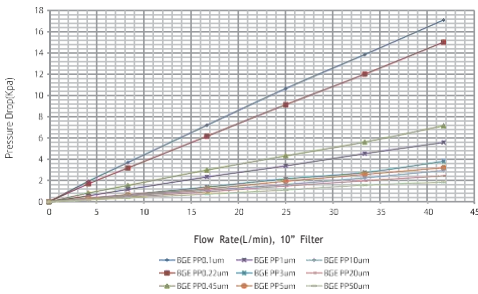
- Good overall performance
High quality media combine with scientific construction makes the filter has good overall performance and highly cost effective.
- High flow rate, lower pressure drop
Pleated media with bigger filtration area makes higher flow rate and lower pressure drop.
- Excellent chemical compatibility
100% PP material makes the filter cartridge got excellent chemical compatibility. It is suitable for various liquid filtration .

APPLICATIONS

- * Industrial water treatment
- * Drinks
- * Drinking water treatment
- * Paints & Coatings
- * RO pre-filtration
- * Chemicals
- * Cosmetics
- * Machinery & Equipment

SPECIFICATIONS

Dimension	[OD]: 69mm [Length]: 5" , 10" , 20" , 30" , 40" , 50"
Material of Constructions	[Media]: PP [Support]: PP [Cage / Core / End cap]: PP [Sealing]: Silicone , EPDM , NBR , Viton® , Teflon® , E-FKM
Performance	[Max. Operating temperature]: 80°C [Max. Operating DP]: 4 bar@ 21°C 2.4 bar@ 80°C



ORDERING INFORMATION

EG:MPP0.45M10EP

Cat	Rating	Adapter	Length	Seal	Core
MPP	0.1 = 0.1μm	F = DOE	5 = 5"	S = Silicone	P = PP core
	0.22 = 0.22μm	P = 222/Fin	10 = 10"	E = EPDM	S = SS core
	0.45 = 0.45μm	M = 222/Flat	20 = 20"	B = NBR	
	1 = 1μm	Q = 226/Fin	30 = 30"	V = Viton®	
	3 = 3μm	T = 226/Flat	40 = 40"	T = Teflon®	
	5 = 5μm	J = 222/Flat/SS	50 = 50"	F = E-FKM	
	10 = 10μm	K = 222/Fin/SS			
	20 = 20μm	R = 226/Fin/SS			
	50 = 50μm	V = 226/Flat/SS			

PES Pleated Filter Cartridge

Micropore PES Pleated Filter Cartridge is constructed of hydrophilic asymmetric PES membrane and PP supports. The media has good performance to water filtration. The hardware is thermally welded without using any glue. Manufactured and assembled in clean room. It is suitable for filtering ultra pure water and weak acid/alkali based liquid.



FEATURES

- Asymmetric membrane structure
- High hydrophilic membrane, high flow rate, the pores of membrane uniformly distributed.
- The membrane construction of asymmetric enlarge the dirty capability and extend the life time of the filter cartridge.
- Do not use any glue and surface active agent during production process which reduces the risk of precipitation effectively.

APPLICATIONS

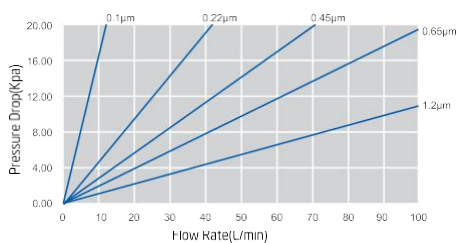
- * Sterile filtration for food & beverages
- * Pharmaceutical
- * Final filtration for ultra pure water
- * Fine chemicals

PRODUCT SPECIFICATION

Dimension
[OD]: 69mm
[Length]: 5" , 10" , 20" , 30" , 40 "

Material of Constructions
[Media]: PES
[Support]: PP
[Cage / Core / End cap]: PP
[Sealing]: Silicone , EPDM , NBR

Performance
[Max. Operating temperature]: 80°C
[Max. Operating DP]: 4 bar@ 21°C
2.4 bar@ 80°C



ORDERING INFORMATION

EG:MPES0.45M10EP

Cat	Rating	End Cap	Length	Seal	Core
MPES	0.1 = 0.1µm	F = DOE	5 = 5"	S = Silicone	P = PP core
	0.22 = 0.22µm	M = 222/Flat	10 = 10"	E = EPDM	S = SS core
	0.45 = 0.45µm	P = 222/Fin	20 = 20"	B = NBR	
	0.65 = 0.65µm	Q = 226/Fin	30 = 30"		
	1.2 = 1.2µm	T = 226/Flat	40 = 40"		
		J = 222/Flat/SS			
		K = 222/Fin/SS			
		R = 226/Fin/SS			
		V = 226/Flat/SS			

PTFE Pleated Filter Cartridge

Micropore PTFE Pleated Filter Cartridge is constructed of hydrophobic PTFE membrane which has excellent chemical compatibility and corrosion resistance. This filter cartridge is suitable for the filtration of liquids and gases with strongly aggressive and oxidative.

FEATURES

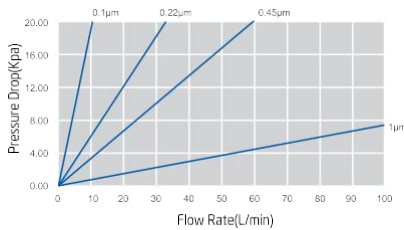
- Excellent chemical compatibility
PTFE membrane got excellent chemical compatibility. It has good tolerance to various chemical and can be used for filtering kinds of corrosive liquids and gases.
- Absolute filtration efficiency
PTFE membrane provide high filtration efficiency with absolute micron rating make sure to reduce the particles.



APPLICATIONS

- * Sterile filtration of fermentation tank and storage tank breathers
- * Sterile filtration of compressed air
- * Filtration of ultra pure gas
- * Fine Chemical

PRODUCT SPECIFICATION



Dimension

[OD]: 69mm
[Length]: 5" , 10" , 20" , 30" , 40"

Material of Constructions

[Media]: Hydrophobic PTFE Membrane
[Support]: PP
[Cage / Core / End cap]: PP
[Sealing]: Silicone , EPDM , NBR , Viton® , Teflon® , E-FKM

Performance

[Max. Operating temperature]: 80°C
[Max. Operating DP]: 4 bar@ 21°C
2.4 bar@ 80°C

ORDERING INFORMATION

EG:MPT0.45M10EP

Cat	Rating	Adapter	Length	Seal	Core
MPT	0.1 = 0.1µm	F = DOE	5 = 5"	S = Silicone	P = PP core
	0.22 = 0.22µm	P = 222/Fin	10 = 10"	E = EPDM	S = SS core
	0.45 = 0.45µm	M = 222/Flat	20 = 20"	B = NBR	
	1 = 1µm	Q = 226/Fin	30 = 30"	V = Viton®	
		T = 226/Flat	40 = 40"	T = Teflon®	
		J = 222/Flat/SS		F = E-FKM	
		K = 222/Fin/SS			
		R = 226/Fin/SS			
		V = 226/Flat/SS			

Hydrophilic PVDF Pleated Filter Cartridge

Micropore PVDF Pleated Filter Cartridges are made with hydrophilic PVDF membrane with low albumen absorption and excellent chemical compatibility. This cartridge is widely used in the separation and purification process in Pharmaceutical industry.



APPLICATIONS

- * Sterile APIs
- * EyeDrops, lyophilized powder
- * Vaccine, serum and biological products

CONSTRUCTIONS

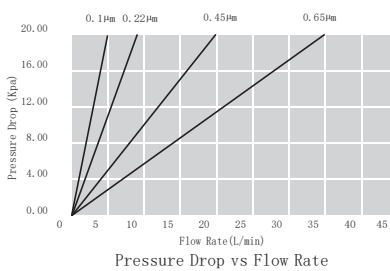
Media	Hydrophilic PVDF
Cage/Core/End	PP
Adapter	PP,SS Insert
O-Ring	Silicone , EPDM , Viton

SPECIFICATIONS

Max. Operating temperature	80°C
Max. Operating DP	4.0bar@25°C /1.5bar@80°C
Filtration Area	Ø 69mm 0.65 m ² / 10" Filter Cartridges
Extractables	< 20mg/10" Filter Cartridges

STERILIZATION & BACTERIAL RETENTIONS

Autoclave Sterilization	121°C, 30Min
SIP	125°C , 30 Min
0.22µm	LRV≥7Pseudomonas diminuta
0.45µm	LRV≥7Serratia marcescens



ORDERING INFORMATION

EG: MPV0.22R10S

	Rating	Adapter	Length	Seal
MPV	0.1=0.1µm	K = 222/Fin/SS	5 = 5"	S=Silicone
	0.22=0.22µm	R = 226/Fin/SS	10 = 10"	E= EPDM
	0.45=0.45µm	V = 226/Flat/SS	20 = 20"	V=Viton
	0.65=0.65µm	J = 222/Flat/SS	30 = 30"	
		G = 226/Fin/PSU	40 = 40"	
		I = 226/Flat/PSU		

Glass Fiber Pleated Filter



Micropore GF Pleated Filter Cartridge is made from fine glass fiber media. The filter has good filtration efficiency, can remove the particles in air and gas, suitable for the pre-filtration and fine filtration to air and most gases. Also can be used for kinds of liquids filtration.

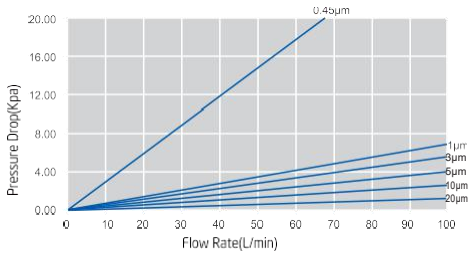
FEATURES

- Big filtration area, high flow rate, low pressure drop
The pleated filter has big filtration area, hydrophobic media has high flow rate and low pressure drop when filtrate gas and air.
- High dirt holding capacity, long service life
High efficiency area and micro holes in the media enlarge the dirt holding capacity which result in long service life.

APPLICATIONS

- * Filtration of compressed air
- * Gases pre-filtration
- * Chemicals and Oil
- * Water treatment

SPECIFICATIONS



Dimension	[OD]: 69mm [Length]: 5" , 10" , 20" , 30" , 40"
Material of Constructions	[Media]: Glass Fiber (GF) [Support]: PP [Cage / Core / End cap]: PP [Sealing]: Silicone, EPDM, NBR, Viton®, Teflon®, E-FKM
Performance	[Max. Operating temperature]: 80°C [Max. Operating DP]: 4 bar@ 21°C 2.4 bar@ 80°C

ORDERING INFORMATION

EG:MGF0.45M10EP

Cat	Rating	Adapter	Length	Seal	Core
MGF	0.45 = 0.45µm	F = DOE	5 = 5"	S = Silicone	P = PP core
	1 = 1µm	P = 222/Fin	10 = 10"	E = EPDM	S = SS core
	3 = 3µm	M = 222/Flat	20 = 20"	N = NBR	
	5 = 5µm	Q = 226/Fin	30 = 30"	V = Viton®	
	10 = 10µm	T = 226/Flat	40 = 40"	T = Teflon®	
	20 = 20µm	K = 222/Fin/SS J = 222/Flat/SS R = 226/Fin/SS V = 226/Flat/SS		F = E-FKM	

Lenticular Filter Cartridge

Micropore Lenticular Filter Cartridge is designed using depth filter sheets with a double separator concept. The Separator design increases the total stability of the filter cartridges as the separators fully support the sheet material. This design also prevents filter sheet deformities after heat treatments and adverse effects of contact with hot sanitation. It is manufactured with rigid external clips to prevent damaging filter sheets during module loading and unloading while allowing for easy and reliable handling.



FEATURES

- Washable under certain conditions, resulting in high total throughput
- Easy and reliable handling Rigid external clips prevent damage of the filter sheet during module loading and unloading
- No filter sheet deformities after heat treatment
- No adverse effects to filter sheets when in contact with hot sanitization or process filtration
- Increased filtration security Separator design increases the total stability of the filter cartridges as the separators fully support the sheet material.

APPLICATIONS

- * Pharmaceuticals
- * Food and beverage
- * Fine chemical

SPECIFICATIONS

Dimension	[OD]: 8 ", 12 ", 16 "
Material of Constructions	[Depth filter sheet]: Cellulose fibers , Resins , Perliter, Natural diatomaceous earths, and etc [Core/Separator]: Polypropylene(PP) [Double O-ring or flat gasket] : Silicone , EPDM , Viton® , E-FKM
Typical Rating	R04: 1-3µm R08: 20-25µm R07: 10-15µm

ORDERING INFORMATION

EG:MLFC100D12S16

Cat	Rating	Adapter	OD	Seal	Construction
MLF	R01 = 0.2-0.4µm	D = DOE with gasket	8 = 8"	S = Silicone	7 = 7Cell (8"SOE)
	R02 = 0.4-0.6µm		12 = 12"	E = EPDM	8 = 8Cell (8"DOE)
	R03 = 0.6-1µm		16 = 16"	B = NBR	9 = 9Cell (12",16")
	R04 = 1-3µm	S = SOE with double O-ring (Available for 8")	12 = 12Cell (12",16")		
	R05 = 2-5µm		15 = 15Cell (12",16")		
	R06 = 3-7µm		16 = 16Cell (12",16")		
	R07 = 10-15µm				
	R08 = 20-25µm				
	R09 = 40-50µm				

High Flow A Filter Cartridge



Micropore High Flow A Pleated Filter Cartridge is made from depth fine PP non-woven fabrics. The filter has a big diameter of 6 inch/152mm and no inner core, single open. The inside to outside flow pattern ensure that all the particles will be intercepted at the inside of the filter. The long service life and high flow rate result in low investment and less manpower in many applications.

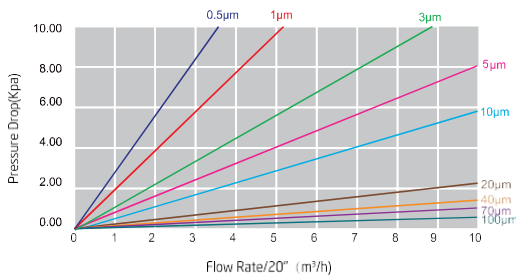
FEATURES

- High filtration area, high flow rate
 - High dirt holding capacity, long service life
- With depth fine non-woven fabrics and scientific design, the filter has a good structure which has high dirt holding capacity, and result in long service life.
- Much micron ratings and lengths for choosing
- Micron ratings from 0.5 μ m to 100 μ m, and lengths from 20" to 60", which can meet different requirements.

APPLICATIONS

- * Sea water desalination
- * Food and beverage
- * Microelectronics
- * Oil & Chemical
- * Machinery & Equipment
- * Power plant water treatment
- * Steel mill water treatment

SPECIFICATIONS



Dimension
[OD]: 152mm
[Length]: 20 " , 40 " , 60 "

Material of Constructions
[Media]: PP
[Cage / Core / End cap]: PP
[Sealing]: Silicone, EPDM, Viton®, E-FKM

Performance
[Max. Operating temperature]: 80°C
[Max. Operating DP]: 3 bar@ 21°C

ORDERING INFORMATION

EG:MHFAP5C40EP

Cat	Media	Rating	Appearance	Length	Seal	Core
MHFA	P = PP	0.5 = 0.5 μ m 1 = 1 μ m 3 = 3 μ m 5 = 5 μ m 10 = 10 μ m 20 = 20 μ m 40 = 40 μ m 70 = 70 μ m 100 = 100 μ m	B = Belt C = Cage	20 = 20" 40 = 40" 60 = 60"	S = Silicone E = EPDM V = Viton® F = E-FKM	Blank = no core P = PP core

High Flow B Filter Cartridge

Micropore High Flow B Pleated Filter Cartridge is made from depth fine PP non-woven fabrics. The filter has a big diameter of 6.5 inch/165mm. There is a core inside which suitable for the outside to inside flow pattern. The big diameter design makes the filter has big filtration area. The long service life and high flow rate result in low investment and less manpower in many applications.



FEATURES

- High filtration area, high flow rate
 - High dirt holding capacity, long service life
- With depth fine non-woven fabrics and scientific design, the filter has a good structure which has high dirt holding capacity, and result in long service life.
- Much micron ratings and lengths for choosing
- Micron ratings from 0.5 μ m to 100 μ m, and lengths from 20" to 60", which can meet different requirements.

APPLICATIONS

- * Sea water desalination
- * Food and beverage
- * Microelectronics
- * Oil & Chemical
- * Machinery & Equipment
- * Power plant water treatment
- * Steel mill water treatment

SPECIFICATIONS

Dimension	[OD]: 165mm [Length]: 20 " , 40 " , 60 "
Material of Constructions	[Media]: PP [Cage / Core / End cap]: PP [Sealing]: Silicone, EPDM, Viton®, E-FKM
Performance	[Max. Operating temperature]: 80°C [Max. Operating DP]: 3 bar@ 21°C

ORDERING INFORMATION

EG: MHFBP5A40E

Cat	Media	Rating	Adapter	Length	Seal
MHFB	P = PP	0.5 = 0.5 μ m	A = In-line handle and big outlet	20 = 20"	S = Silicone
		1 = 1 μ m		40 = 40"	
		3 = 3 μ m	B = Cross handle and small outlet	60 = 60"	V = Viton®
		5 = 5 μ m		F = E-FKM	
		10 = 10 μ m			
		20 = 20 μ m			
		40 = 40 μ m			
		70 = 70 μ m			
100 = 100 μ m					

High Flow B Filter Cartridge

Micropore High Flow C Pleated Filter Cartridge has 6.7inch large diameter, single open-ended with an outside to inside flow pattern. It offers a high flow rate solution with quick changes to the cartridge filters to deliver an affordable first off cost for advanced water filtration systems including industrial and commercial osmosis type water or sea water filtration and treatment systems.

FEATURES

- Excellent chemical compatibility
- All materials are FDA compliance
- High dirt holding capacity, longer Service life
- 25times more square feet of media than used in standard 10inch pleated cartridges

APPLICATIONS

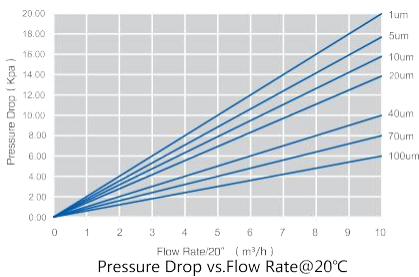
- * Sea water desalination
- * Food and beverage
- * Microelectronics
- * Oil & Chemical
- * Machinery & Equipment
- * Power plant water treatment
- * Steel mill water treatment

SPECIFICATIONS

Dimension
 [OD]: 6.75inch (172mm)
 [ID]: 2.99inch (76mm)
 [Length]: 40"(1016mm) 60" (1589mm)

Material of Constructions
 [Media]: Polypropylene
 [Support]: Polypropylene
 [End Cap Material]: Polypropylene
 [Sealing]: Buna

Performance
 [Max. Operating temperature]: 82°C
 [Max. Operating DP]: 35Psid



ORDERING INFORMATION

EG: MHFC5S40B

Cat	Rating	Adapter	Length	Seal
MHFC	1 = 1µm	S = SOE	40 = 40"	B = Buna
	5 = 5µm		60 = 60"	E = EPDM
	10 = 10µm			
	20 = 20µm			
	40 = 40µm			
	70 = 70µm			
	100 = 100µm			

High Flow D Filter Cartridge

Micropore High Flow D Pleated Filter Cartridge is a replacement cartridge for the depth filtration and other 2-1/2" diameter cartridges for the high flow applications. Pre-Filtration for RO system is an example. Up to 800 LPM flow rate per cartridge reduced the number of filter cartridges and the dimension of the filter housing required. Water treatment volume per Super-High Flowment filter cartridge equals to 10x40" length, 2-1/2" diameter cartridges. Inner O-ring insures no bypass and handle design makes the installation easier. Economical design make the filter has more cost advantage to help users reduce costs.



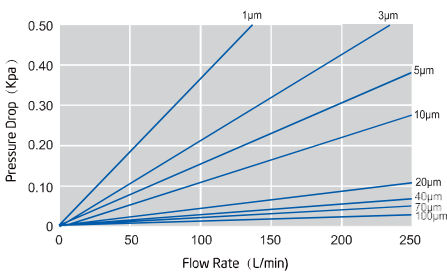
FEATURES

- Economical design, more cost advantage
- Less cartridge change out to save the labor cost
- O-ring design cause no bypass to ensure the filtration efficiency
- Easy handing result in less manpower
- Wide chemical compatibility for different applications 5µm to 100µm, and lengths from 20" to 60", which can meet different requirements.

APPLICATIONS

- * Sea water desalination
- * Food and beverage
- * Microelectronics
- * Oil & Chemical
- * Machinery & Equipment
- * Power plant water treatment
- * Steel mill water treatment

SPECIFICATIONS



Dimension	[OD]: 152mm [Length]: 40 "
Material of Constructions	[Media]: PP [Support]: PP [End Cap Material]: Glass Fiber Reinforced PP [Sealing]: Silicone, EPDM, Viton®, E-FKM
Performance	[Max. Operating temperature]: 80°C [Max. Operating DP]: 3 bar@ 21°C

ORDERING INFORMATION

EG:MHFDP5A40E

Cat	Media	Rating	Adapter	Length	Seal
MHFD	P = PP	1 = 1µm 3 = 3µm 5 = 5µm 10 = 10µm 20 = 20µm 40 = 40µm 70 = 70µm 100 = 100µm	A = Single O-ring B = Double O-ring	40 = 40"	S = Silicone E = EPDM V = Viton® F = E-FKM

High Flow E Filter Cartridge

Micropore High Flow E Pleated Filter Cartridge is made from depth fine PP non-woven fabrics. The filter has a big diameter of 6.5 inch/165mm. With horizontal pleat technology the filter has max. Filtration area compare with same size filters. Big filtration area comes out high flow rate. The long service life and high flow rate result in low investment and less manpower in many applications.



FEATURES

- Horizontal pleat, high filtration area, high flow rate
 - High dirt holding capacity, long service life
- With depth fine PP non-woven fabrics and scientific design, the filter has a good structure which has high dirt holding capacity, and result in long service life.
- Much micron ratings and lengths for choosing
- Micron ratings from 0.5 μ m to 100 μ m, and lengths from 20" to 60", which can meet different requirements.

APPLICATIONS

- * Sea water desalination
- * Food and beverage
- * Microelectronics
- * Oil & Chemical
- * Machinery & Equipment
- * Power plant water treatment
- * Steel mill water treatment

SPECIFICATIONS

Dimension	[OD]: 165mm [Length]: 20 " , 40 " , 60 "
Material of Constructions	[Media]: PP [Cage / Core / End cap]: PP [Sealing]: Silicone, EPDM, Viton®, E-FKM
Performance	[Max. Operating temperature]: 80°C [Max. Operating DP]: 3 bar@ 21°C

ORDERING INFORMATION

Cat	Rating	Adapter	Length	Seal
MHFE	0.5 = 0.5 μ m 1 = 1 μ m 3 = 3 μ m 5 = 5 μ m 10 = 10 μ m 20 = 20 μ m 40 = 40 μ m 70 = 70 μ m 100 = 100 μ m	A = In-line handle and big outlet B = Cross handle and small outlet	20 = 20" 40 = 40" 60 = 60"	S = Silicone E = EPDM V = Viton® F = E-FKM

EG:MHFE5A40E

Filter Bag Replacement Filter Cartridge

Micropore filter bag replacement Filter Cartridge is a kind of cartridges combine the performance advantages of cartridge filters with the ease use of bag filter systems. It offers unique combination of benefits and unmatched economics. Filtration customers no longer have to choose between cartridge and bag technologies. The pleated media increases the effective filtration area with high flow and long service life.



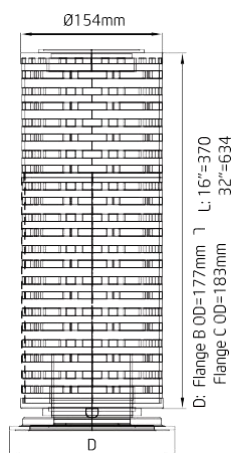
FEATURES

- High performance filter media
- Pleated configuration with high filtration area
- large 152mm cartridge diameter suitable for high flow/high contaminant applications
- High mechanical strength
- Easily retrofit into existing size 1 and size 2 bag housings
- The inside-to-outside fluid flow ensures the particles are trapped with the element

APPLICATIONS

- * Sea water desalination
- * Machinery & Equipment
- * Food and beverage
- * Drinking water

SPECIFICATIONS



Dimension	[OD]: 6" (152mm) [Length]: 16 " (370mm)for size 1 bag 32" (634mm) for size 2 bag
Material of Constructions	[Media]: Pleated Depth Polypropylene (PP) [Support]: PP [End Cap]: PP [Adjustable Flange] : PP [Sealing]: EPDM , NBR , Viton®
Performance	[Max. Operating temperature]: 80°C [Max. Operating DP]: 3.4 bar@ 60°C [Recommended Change out Differential Pressure]: 2.4Bar,20°C

ORDERING INFORMATION

EG:MFBR5B2E

Cat	Rating	Flange Types	Length	Seal
MFBR	0.5 = 0.5µm 1 = 1µm 3 = 3µm 5 = 5µm 10 = 10µm 20 = 20µm 40 = 40µm 50 = 50µm 70 = 70µm 100 = 100µm	B = For side entry housing(177mm) C = For over the top housing(183mm)	1 = 370 (16") 2 = 634 (32")	B = NBR E = EPDM V=Viton®

Light Pleated Filter Cartridge

Micropore Light Pleated Filter Cartridges are washable, reusable and durable, because of this the cartridge has an extended life span and is more economical. It also has an increased dirt holding capacity so cleaning is required less often.

FEATURES

- Pleated design increased surface area and contaminant removal
- Longer filtration runs for fewer change-out and less maintenance
- Low pressure drop
- Designed for general water filtration purposes

APPLICATIONS

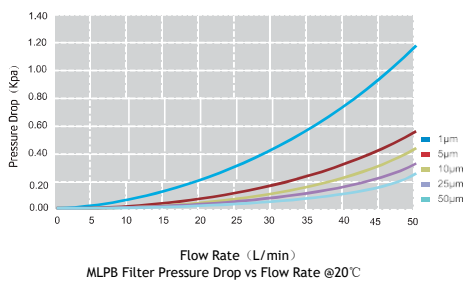
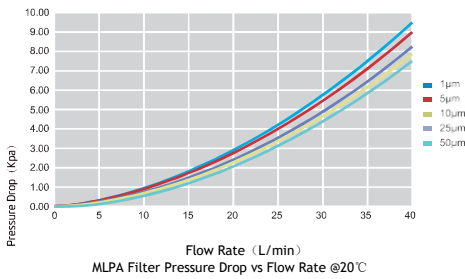
- * Swimming pool water treatment
- * RO security filtration
- * General water treatment

SPECIFICATIONS

Dimension
 [OD]: 68mm, 115mm
 [ID]: 28mm
 [Length]: 10" , 20" , 30" , 40"

Material of Constructions
 [Media]: Polyester, Polypropylene(PP)
 [End cap]: PU, Plastisol
 [Core]: Polypropylene(PP)

Performance
 [Max. Operating temperature]: 37.8°C
 [Max. Operating DP]: 4.0Bar
 Flow Rate per 10" Cartridge: 3-10GPM, depend on removal rating



ORDERING INFORMATION

EG: MP A-5-10-A

Cat	OD	Rating	Length	Media
MLP	A = 68mm B = 115mm	0.35 = 0.35µm	975 = 9.75"(248mm)	A = Polyester B = PP
		1 = 1µm	987 = 9.87"(250mm)	
		5 = 5µm	10 = 10"(254mm)	
		10 = 10µm	20 = 20"(508mm)	
		20 = 20µm	30 = 30"(762mm)	
		50 = 50µm	40 = 40"(1016mm)	

Filter Bag

Micropore Filter Bags are made of high quality PP, PET or Nylon media. There are various sizes and styles for different operating conditions and applications requirements. The media has features of uniform pore size, high efficiency, high dirt holding capacity. The surface can be done with singeing, calendering or coating, no fiber releasing.

FEATURES

- Various media type and sizes
- Excellent chemical compatibility
- Cost competitive

APPLICATIONS

- * Pharmaceuticals
- * Food & Beverage
- * Chemicals
- * Mechanical
- * Paints & Coatings
- * Water Treatment

SPECIFICATIONS

Material of Constructions	[Media]: PP , PET , NYLON [Collar Ring]: SS , PP , PET
Dimension	Size 1 : Φ 180mm x L420mm Size 2 : Φ 180mm x L810mm Size 3 : Φ 102mm x L220mm Size 4 : Φ 102mm x L380mm Size 5 : Φ 150mm x L510mm
Performance	[Max. Operating temperature]PP: 80 °C PET: 120 °C NYLON: 160 °C [Max. Operating D.P.] PP: 2.0bar@20 °C, 1.0bar@80 °C PET: 2.0bar@20 °C, 1.0bar@120 °C NYLON: 2.0bar@20 °C, 1.0bar@80 °C

ORDERING INFORMATION

EG:MFB2GR1S

Cat	Size	Media	Construction	Rating	Collar Media
MFB	1 = Size 1: Φ 180mm x L420mm	G = PP	R = welded	0.5 = 0.5 μ m	S = Stainless steel(SS)
	2 = Size 2: Φ 180mm x L810mm	Z = PET	F = sewn	1 = 1 μ m	G = PP
	3 = Size 3: Φ 102mm x L220mm	B = NYLON		3 = 3 μ m	Z = PET
	4 = Size 4: Φ 102mm x L380mm			5 = 5 μ m	
	5 = Size 5: Φ 150mm x L510mm			10 = 10 μ m	
				20 = 20 μ m	
				30 = 30 μ m	
				50 = 50 μ m	
				75 = 75 μ m	
				100 = 100 μ m	

Melt Blown Filter Cartridge



Micropore Melt Blown Filter Cartridge is fusing and intertwined of polypropylene resin without any chemical glues. The cartridges are glued at random to form 3D micro pore which will make the cartridge 3 layers with fine fibers in surface and coarse fibers and deep filtration. As the fiber and density form high filtration rating and pollutants holding capacity on diameter of filter cartridge, low pressure drop, gradual changing deep filtration structure with loose outside and close inner, strong pollutants holding capacity, it can remove contaminant effectively, such as suspended substance, particulate and rust, providing efficient filtration and long service life.

FEATURES

- Three layers structure cartridge offers high dirt holding capacity, longer service life
- Formed by thermal bond without using any binders and adhesives
- 100% Pure Polypropylene will not cause any pollution to water
- Wide Chemical compatibility
- Kinds of adapters are available.
- FDA compliance material

APPLICATIONS

- * Pharmaceuticals
- * Food and beverage
- * Drinking water
- * Chemical
- * Plating
- * Microelectronics
- * RO security filtration

SPECIFICATIONS



Tested and certified by NSF international to NSF/ANSI 42 for material requirement only.

Dimension	[OD]: 25mm (ID 15mm) 63mm (ID 28mm, 30mm) 115mm (ID 28mm) [ID]: 15mm (OD 25mm) 28mm (OD 63mm, 110mm, 115mm) 30mm (OD 63mm) [Length]: 9.75", 9.87", 10", 20", 30", 40", 50", 60"	43mm (ID 20mm) 110mm (ID 28mm)
Material of Constructions	[Media]: Polypropylene(PP) [End cap]: Polypropylene(PP) [Gasket]: Silicone , EPDM , NBR , Viton® [Core]: Polypropylene(PP)	
Performance	[Max. Operating temperature]: 65°C [Max. Operating DP]: 2.0Bar@21°C	

ORDERING INFORMATION

EG: MMB-C-5-10-M-S-C

	Diameter	Rating	Length	Adapter	Seal	Core
MMB	A = ID (15mm) ; OD (25mm)	1 = 1µm	975 = 9.75"	Blank = DOE	Blank = No	Blank = No
	B = ID (20mm) ; OD (43mm)	3 = 3µm	987 = 9.87"	(No End Caps)	S = Silicone	C = PP core
	C = ID (28mm) ; OD (63mm)	5 = 5µm	10 = 10"	F = DOE	E = EPDM	
	D = ID (28mm) ; OD (110mm)	10 = 10µm	20 = 20"	(with PE gaskets)	B = NBR	
	E = ID (28mm) ; OD (115mm)	25 = 25µm	30 = 30"	M = 222/Flat	V = Viton®	
	F = ID (30mm) ; OD (63mm)	50 = 50µm	40 = 40"	P = 222/Fin		
		75 = 75µm	50 = 50"	T = 226/Flat		
		100 = 100µm	60 = 60"	Q = 226/Fin		
	150 = 150µm					

String Wound Filter Cartridge

Micropore String Wound Filter Cartridges are manufactured with structured open outer layers and tight inner layers to offer true depth filtration for high dirt holding capacity and extremely low media migration. The main advantage of the string wound filter cartridge is its exceptionally high structural strength, therefore, they can withstand higher PSID and severe operating conditions.

FEATURES

- Fits all the standard housings
- Low pressure drop, high dirt holding capacity and long service life
- Loose outer layers and tight inner layers offers effective depth filtration
- Various filter media fit with various applications



APPLICATIONS

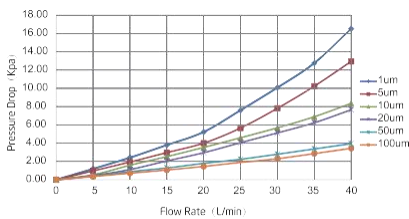
- * Drinking water
- * Food and beverage
- * Chemical
- * Microelectronics
- * RO security filtration

SPECIFICATIONS

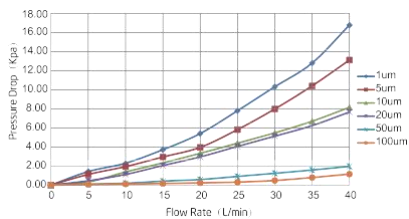
Dimension [OD]: 63mm, 115mm [ID]: 28mm, 30mm
[Length]: 9.87" , 10" , 20" , 30" , 40"

Material of Constructions [Media]: Polypropylene, Bleached cotton, Glass Fiber
[Core]: PP, Stainless Steel

Performance [Max. Operating temperature]: Polypropylene(PP): 80°C
Bleached cotton: 120°C
Glass Fiber: 200°C
[Max. Operating DP]: 2.0bar@25°C



PP String Wound Filter Pressure Drop vs. Flow Rate@20°C



Cotton String Wound Filter Pressure Drop vs. Flow Rate@20°C

ORDERING INFORMATION

EG: MSWB5A10MSC

CAT	OD	Rating	Material	Length	Adapter	Seal	ID
MSW	Blank = 63mm B= 115mm	1 = 1µm	A = PP yarn & PP core	987 = 9.87" (250mm)	Blank = DOE	Blank = No	C = 28mm
		5 = 5µm	B = Cotton yarn & SS core	10 = 10" (254mm)	F = DOE (Cap)	S = Silicone	D = 30mm
	10 = 10µm	C = Cotton yarn & PP core	20 = 20" (508mm)	M = 222/Flat	E = EPDM		
	20 = 20µm	D = Glass fiber & SS core	30 = 30" (762mm)	P = 222/Fin	B = NBR		
	30 = 30µm	E = PP yarn & SS core	40 = 40" (1016mm)	Q = 226/Fin	V = Viton		
	50 = 50µm			T = 226/Flat			
	75 = 75µm						
	100 = 100µm						

Carbon Block Filter Cartridge

Micropore Carbon Block Filter Cartridges are formed using extruding carbon fines and food-grade binders. This makes it FDA approved for the Food/Beverage industry. It also ensures that no bad odour is left behind. This filter is also great for filtering organic matter effectively.



FEATURES

- * Good adsorption capacity
- * Remove efficiently the chlorine, peculiar smell, organics
- * Low pressure drop, steady flow
- * No carbon fine releasing

APPLICATIONS

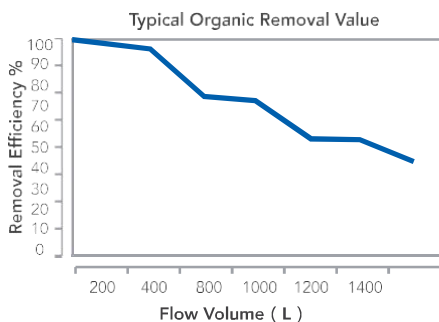
- Drinking water
- Food and beverage
- Chemical and plating

SPECIFICATIONS

Dimension	[End Cap OD]: 65mm, 70mm, 115mm, 48.5mm
	[End Cap ID]: 28mm, 30mm, 16.5mm
	[Length]: 9.75", 9.87", 10", 20", 30", 40"

Material of Constructions	[Media]: acid washed Coal Based GAC
	[End cap]: PP
	[Gasket]: EPDM
	[Netting]: Polyethylene

Performance	[Max. Operating temperature]: 52°C
	[Max. Operating DP]: 7.2Bar@20°C
	[Max. Operating Pressure]: 10 Bar



ORDERING INFORMATION

EG:MCTO-C-5-10

Cat	End Cap Diameter	Rating	Length
MCTO	A = ID: 16.5mm OD: 48.5mm	5 = 5µm	975 = 9.75"(248mm)
		10 = 10µm	987 = 9.87"(250mm)
	C = ID: 28mm OD: 70mm		10 = 10"(254mm)
			20 = 20"(508mm)
	B = ID: 30mm OD: 65mm		30 = 30"(762mm)
			40 = 40"(1016mm)
	D = ID: 28mm OD: 115mm		

Carbon Cellulose Filter Cartridge

Micropore Carbon Cellulose Filter Cartridges combine the performance of depth filtration with the absorption of activated carbon fine. The outside deep filter media can remove particles while the activated carbon held within the filter cloth can absorb the smell, odor, sediment, pigment, VOC, and organic chemicals. The inside fiber filter prevents carbon particles and fine pollutants from passing through, thus increasing an efficient quality and integrated filtration.



FEATURES

- Nominal 10 micron removal rating
- Excellent dirt-holding capacity
- Filtration and adsorption finished in one time process

APPLICATIONS

- * Drinking water
- * Food and beverage
- * Chemical
- * Microelectronics

SPECIFICATIONS

Dimension	[OD]: 2.56" (65mm), 2.75" (70mm), 4.5" (115mm) [ID]: 1.10" (28mm) [Length]: 9.75" (248mm), 9.87" (250mm), 10" (254mm), 20" (508mm)
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Material of Constructions	[Media]: Carbon Impregnated Cellulose [End Cap]: PP [Center Core]: PP [Netting]: PE
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Performance	[Max. Operating temperature]: 60°C
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ORDERING INFORMATION

EG: MCC-B-10-20

	OD	Rating	Length
MCC	A = 4.5" (115mm)	10 = 10µm	975 = 9.75" (248mm)
	B = 2.56" (65mm)		987 = 9.87" (250mm)
			10 = 10" (254mm)
	C = 2.75" (70mm)		20 = 20" (508mm)

Hydrophobic PTFE Vent Filter



Micropore vent filters is also called vacuum protection filter or gas line filter, which designed for removal particles and micro-organisms form gases. Which are ideal for sterilizing gases, venting sterile containers, sterilizing or clarifying organic solutions and protect laboratory. The special construction allows minimal hold-up volume and particle shedding, making it ideally suited for the critical needs of the pharmaceutical and biotechnology industries.

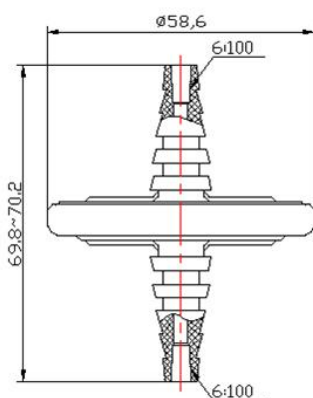
FEATURES

- * Autoclave, ideal for use with bioreactors and fermenters
- * Broad chemical resistance
- * Large surface area provides greater throughput and permits higher air flow rates
- * No carbon fine releasing

APPLICATIONS

- Sterile venting of small fermenters
- Sterile venting of small containers
- General sterile filtration of gases and air

SPECIFICATIONS



Filter Media&Rating	Hydrophobic PTFE 0.22µm, 0.45µm, 1.0µm
Support & Housing	PP (Polypropylene)
Sealing Technology	Thermal Bonding, No Adhesives
Dimensions	Outer Diameter Ø65: PTFE, Inlet/Outlet: Stepped Hose Barb
Filtration Area	≥0.021ft ²
Bubble Point & Air Flow Rate	(PTFE 0.22 µm for gas) Bubble Point: ≥ 900 mbar with 60/40% IPA/water Air Flow Rate: ≥ 25 L/min at 1 bar
Maximum Operating Pressure	Forward: 3.5 bar @ 23°C and 3.0 bar @ 60°C for liquid, 3.0 bar @ 23°C and 2.5 bar @ 60°C for air & gas
Bacterial Retention	(PTFE 0.22 µm): Passed the bacterial challenge testing using Brevundimonas diminuta(ATCC19146) at a minimum challenge concentration of 1×10 ⁷ CFU/cm ²
Biological Safety	GB/T 14233.2 <2005> of National Standard for Safety Tests
Sterilization	By EO or 3 autoclave cycles of 30 min at 123 °C; steam-in-place sterilization not recommended
Good Manufacturing Practices	Manufactured in an Micropore facility which adheres to Good Manufacturing Practices.

ORDERING INFORMATION

EG:MPTFE50-022

Cat	Media	OD	Rating
M	PTFE=Hydrophobic PTFE	50 =50mm	022 = 0.22 µm 045 = 0.45 µm 100 = 1.0 µm

Chemical Compatibility Form

	Material	PP	PES	PTFE	PVDF	Nylon	Silicone rubber	Fluoro rubber	EPDM
Acid	glacial acetic acid	R	NR	R	R	NR	LR	NR	LR
	hydrochloric acid(strong)	R	R	R	R	NR	NR	R	LR
	hydrochloric acid6N	R	R	R	R	NR	NR	R	LR
	nitric acid (strong)	R	---	R	R	NR	LR	LR	NR
	nitric acid6N	R	---	R	R	NR	LR	R	NR
	phosphoric acid (strong)	R	---	R	R	LR	NR	R	NR
	sulfuric acid (strong)	R	NR	LR	R	NR	NR	R	NR
	boric acid	R	R	R	R	R	R	R	R
hydrofluoric acid6N	NR	---	R	R	NR	NR	--	NR	
Alkali	ammonium hydroxide	R	R	R	LR	R	R	R	LR
	potassium hydroxide3N	R	R	R	LR	R	LR	R	R
	sodium hydroxide3N	R	R	R	LR	R	R	R	R
	sodium hydroxide6N	R	R	R	NR	R	R	R	LR
Halocarbon	carbon tetrachloride	LR	LR	LR	LR	LR	NR	R	NR
	trichloromethane	LR	NR	LR	LR	NR	NR	R	NR
	dichloroethylene	LR	NR	LR	LR	LR	NR	LR	LR
	FreonTF	LR	LR	LR	LR	LR	NR	R	NR
	FreonTMC	LR	NR	LR	LR	LR	NR	LR	NR
	dichloromethane	LR	NR	LR	LR	NR	NR	LR	NR
	trichloro ethylene	LR	LR	LR	NR	LR	NR	R	NR
Alcohol	amyl alcohol	R	R	R	R	R	NR	R	R
	Phenylcarbinol100%	NR	NR	NR	R	NR	LR	R	R
	butanol	R	R	R	R	R	NR	R	NR
	ethyl alcohol	R	R	R	R	R	R	R	R
	isopropanol	R	R	R	R	R	R	R	R
	methyl alcohol	R	R	R	R	R	R	R	R
	athylenglykol	R	LR	R	R	R	R	R	R
	glycerinum	R	LR	R	R	R	R	R	R
propylene glycol	R	LR	R	R	R	R	R	R	
Ether	diethyl ether	LR	LR	LR	LR	NR	LR	NR	NR
	isopropyl ether	R	---	R	R	---	NR	NR	NR
	dioxane	R	---	R	R	NR	NR	NR	NR
	Tetrahydrofuran	LR	NR	R	LR	R	NR	NR	R
ketone	acetone	R	NR	R	R	R	NR	NR	R
	cyclohexanone	NR	NR	NR	NR	NR	NR	NR	R
	methyl ethyl ketone	R	---	R	LR	R	NR	NR	R
	MIBK	R	NR	R	R	LR	NR	NR	LR
Benzene	benzene	LR	LR	NR	NR	LR	NR	R	NR
	methylbenzene	LR	NR	LR	LR	NR	NR	R	NR
	xylene	NR	LR	LR	LR	NR	NR	R	NR
Ester	amyl acetate	LR	---	LR	R	LR	NR	NR	R
	n-butyl acetate	LR	---	LR	R	LR	NR	NR	R
	acetic ether	R	LR	R	R	LR	NR	NR	R
	methyl acetate	R	NR	R	R	R	---	NR	R
	isopropyl acetate	R	R	R	R	R	LR	NR	R
Oil	cottonseed oil	R	---	R	R	R	R	R	LR
	lubricating oil	R	NR	R	R	R	R	R	R
	peanut oil	R	---	R	R	R	R	R	LR
	sesame oil	R	NR	R	R	R	R	R	R
	turpentine	LR	LR	LR	LR	LR	NR	R	NR
Others	aniline	LR	NR	LR	R	LR	NR	R	R
	DMF	R	NR	R	NR	NR	R	NR	R
	formaldehyde37%	R	R	R	R	R	R	NR	R
	formaldehyde4%	R	R	R	R	R	R	R	R
	gasoline	LR	LR	LR	LR	LR	NR	R	R
	ethan	LR	NR	LR	LR	LR	NR	R	NR
	kerosene	R	R	R	R	R	NR	R	NR
	phenol	R	NR	R	R	R	NR	NR	NR
	acetonitrile	R	R	R	R	LR	---	NR	R
nickel sulfate solution	R	---	R	R	R	R	---	R	

R: Workable

NR: Not recommend

LR: Workable at Certain conditions



Micropore Technology
MULTIPLE FILTRATION SOLUTIONS