



Industrial Filtration Products Catalog



MEGAPORE Series

Industrial Filtration Solutions



FILTRATION

SEPARATION

PURIFICATION

COMPANY INTRODUCTION

MegaVision is a qualified company serving Industrial Liquid Process Filtration in the world since 1999.

We are one of the largest independent manufacturer and supplier of filtration and water treatment products in China and with ISO 9001 Certification.



APPLICATION

MegaVision manufactures a wide scope of filtration products and services for



Bio-pharmaceuticals



Food and Beverage



household water purification



Microelectronics



Power Generation



Petrochemical

STOCK & SUPPLY

We stock a wide scope of products and available in 10 days for container order.

You can trust MegaVision to get the qualified goods in time after your order.

Main products are high flow filter cartridge, membrane micro pleated filter cartridge, sediment filter cartridge, filter housing, capsule filter, syringe filter, filter housing and etc.,



HIGH FLOW FILTER CARTRIDGE SERIES



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Pleated High Flow Filter Cartridge for Pall Ultipleat Replacement

This is one kind of universal high flow filter cartridge. The large diameter with larger filtration area ensures to reduce the number of filter cartridges and the dimension of housing required. The long service life and high flow rate result in low investment and less manpower in many applications.

BENEFITS

- Higher filtration area even up to 8m³, higher flow capability.
- Higher dirt holding capability, longer service life.
- We can meet different application requirements by designing different layers for the filter structure.
- Nominal micron rating and absolute micron rating are available.

APPLICATIONS

- Sea water desalination
- Food and beverages
- Microelectronics
- Oil & Chemical
- Machinery and equipment
- Power plant water treatment
- Steel mill water treatment

Outside Diameter

6 inch(152mm)

Filter Media

Pleated glass fiber

Pleated depth Polypropylene (PP)

PP Melt blown

Support/Drainage

Polypropylene (PP)

Removal Rating (μm)

0.5	1	3	5	10	20	25
50	70	100				

Length (")

20 (528mm)	40 (1022mm)
60 (1538mm)	

Seal Material

E = EPDM	B = NBR	F = E-FKM
V = Viton	S = Silicone	

Maximum Operating Temperature

Pleated Glass Fiber: 121°C

Pleated PP: 80°C

Melt Blown PP: 65°C

Maximum Operation Differential Pressure

3.0 Bar @ 21°C

Recommended Change out Differential Pressure

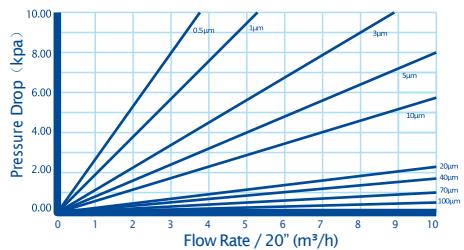
1.8-2.4 Bar @ 20°C

Suggested Maximum Flow of water

20 inch length : 660LPM

40 inch length : 1,300LPM

60 inch length : 1,900LPM

Flow Characteristics


	Max. Flow Rate	Recommended Flow Rate
60inch	113m³/hr	50m³/hr
40inch	75m³/hr	33m³/hr
20inch	38m³/hr	17m³/hr

ORDERING CODE

Example : PUPHF-PN-5-40-C-S

	Media	Removal Rating	Length	Outside Type	Seal Material
PUPHF	GF = Glass Fiber PN = PP Nominal PA = PP Absolute MB = PP Melt Blown	0.5 = 0.5μm 1 = 1μm 3 = 3μm 5 = 5μm 10 = 10μm 25 = 25μm 50 = 50μm 70 = 70μm 100 = 100μm	20 = 20" 40 = 40" 60 = 60"	B = Belt C = Cage 6 = SS316L 4 = SS304	S = Silicone B = Buna E = EPDM V = Viton F = E-FKM



Pleated High Flow Filter Cartridge with Stainless Steel Cage

This is one kind of universal high flow filter cartridge. The large diameter with larger filtration area insures to reduce the number of filter cartridges and the dimension of housing required. The long service life and high flow rate result in low investment and less manpower in many applications, especially used in high temperature and high Pressure applications.

BENEFITS

- Higher filtration area even up to 8m³, higher flow capability.
- Higher dirt holding capability, longer service life.
- Meet different application requirement by designing different layers for the filter structure.
- Nominal micron rating and absolute micron rating are available.

APPLICATIONS

- | | |
|--------------------------|-------------------------------|
| • Sea water desalination | • Oil&Chemical |
| • Food and beverage | • Machinery and Equipment |
| • Microelectronics | • Power plant water treatment |

Outside Diameter

6 inch(152mm)

Filter Media

Pleated glass fiber

Pleated depth Polypropylene (PP)

PP Melt blown

Support/Drainage

Polypropylene (PP)

Removal Rating (μm)

0.5	1	3	5	10	20	25
50	70	100				

Length (")

20 (528mm)	40 (1022mm)
60 (1538mm)	

Seal Material

E = EPDM	B = NBR	F = E-FKM
V = Viton	S = Silicone	

Maximum Operating Temperature

Pleated Glass Fiber: 121°C

Pleated PP: 80°C

Melt Blown PP: 65°C

Maximum Operation Differential Pressure

3.0 Bar @ 21°C

Recommended Change out Differential Pressure

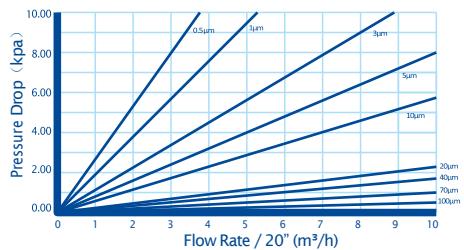
1.8-2.4 Bar @ 20°C

Suggested Maximum Flow of water

20 inch length : 660LPM

40 inch length : 1,300LPM

60 inch length : 1,900LPM

Flow Characteristics


	Max. Flow Rate	Recommended Flow Rate
60inch	113m³/hr	50m³/hr
40inch	75m³/hr	33m³/hr
20inch	38m³/hr	17m³/hr

ORDERING CODE

Example : SSPHF-PN-5-40-C-S

	Media	Removal Rating	Length	Outside Type	Seal Material
SSPHF	GF = Glass Fiber PN = PP Nominal PA = PP Absolute MB = PP Melt Blown	0.5 = 0.5μm 1 = 1μm 3 = 3μm 5 = 5μm 10 = 10μm 25 = 25μm 50 = 50μm 70 = 70μm 100 = 100μm	20 = 20" 40 = 40" 60 = 60"	6 = SS316L 4 = SS304	S = Silicone B = Buna E = EPDM V = Viton F = E-FKM



Pleated High Flow Filter Cartridge for 3M M740 Replacement

This type has a core inside which is suitable for the outside to inside flow pattern.

The pleated type has more filtration area to save more manpower when change-out the filters.

BENEFITS

- High dirt capacity, longer service life
- Less cartridge changes out to save the labor cost
- O-ring design avoids bypasses to ensure the filtration efficiency
- Easy handling results in less manpower

APPLICATIONS

- Municipal water
- Food and beverages
- General Industrial
- Power plant water treatment

Outside Diameter

6.5 inch (165mm)

Filter Media

Polypropylene, Glass Fiber;

Support/Drainage

Polypropylene (PP)

End Cap Material

Glass Fiber reinforced PP

Removal Rating (μm)

0.5	1	3	5	10	20	50
70	100					

Length (")

40	60
----	----

Seal Material

E = EPDM	B = NBR	F = E-FKM
V = Viton	S = Silicone	

Maximum Operating Temperature

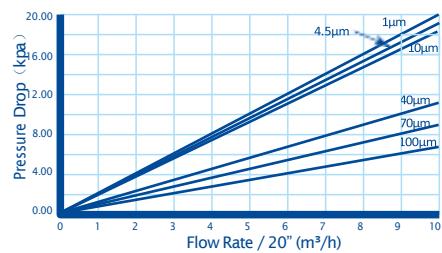
80°C

Maximum Operation Differential Pressure

3.0 Bar , 80°C

Recommended Change out Differential Pressure

2.4 Bar @ 20°C

Flow Characteristics

ORDERING CODE

Example : 3MPHF-PN-5-40-S-A

	Media	Removal Rating	Length	Seal Material	End Cap Type
3MPHF	GF = Glass Fiber PN = PP Nominal PA = PP Absolute	0.5 = 0.5μm 1 = 1μm 3 = 3μm 5 = 5μm 10 = 10μm 25 = 25μm 50 = 50μm 70 = 70μm 100 = 100μm	40 = 40" 60 = 60"	S = Silicone B = Buna E = EPDM V = Viton F = E-FKM	A = Code A B = Code B



Horizontal Pleated Filter Cartridge for 3M 740B,7000 and 720 Replacement

Horizontal pleated has maximum filtration area. It gets longer service life and higher flow rate than the vertical pleated filter cartridge.

BENEFITS

- High dirt capacity, longer service life
- Less cartridge changes out to save the labor cost
- O-ring design avoids bypasses to ensure the filtration efficiency
- Easy handing results in less manpower

APPLICATIONS

- Municipal water
- Food and beverages
- General Industrial
- Power plant water treatment

Outside Diameter

6.5 inch(165mm)

Removal Rating (μm)

0.5	1	3	5	10	20	50
70	100					

Filter Media

Polypropylene

Length (")

40	60
----	----

Support/Drainage

Polypropylene (PP)

Seal Material

E = EPDM	B = NBR	F = E-FKM
V = Viton	S = Silicone	

End Cap Material

Glass Fiber reinforced PP

Maximum Operating Temperature

80°C

Maximum Operation Differential Pressure

3.0 Bar , 80°C

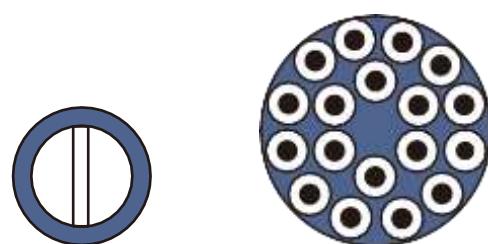
Recommended Change out Differential Pressure

2.4 Bar @ 20°C

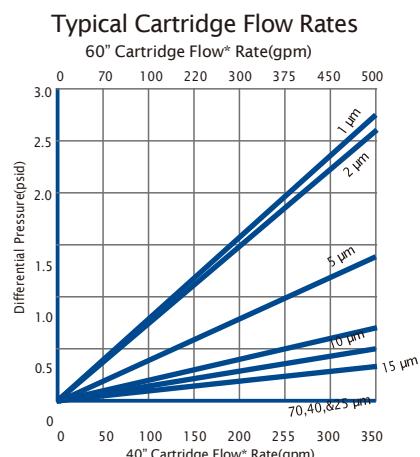
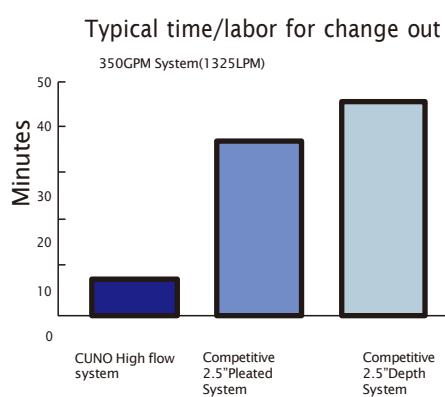
FILTER COMPARISON

1. High Flow System requires 90% fewer cartridges as competitive 2.5" cartridge systems for a given flow rate.
2. High Flow Housings are 33% to 50% smaller than competitively sized housings for a given flow rate.
3. Fewer filters and a user-friendly housing design means faster change-outs than competitively sized systems.

* Comparison assumes fluid viscosity of 1 cp



1 HF cartridge filter In a 8.6" diameter housing
18 standard diameter 2.5" pleated filter in a 16" housing



ORDERING CODE

Example : 3MPHF-5-40-S-A

	Removal Rating	Length	Seal Material	End Cap Type
3MPHF	0.5 = 0.5 μm 1 = 1 μm 3 = 3 μm 5 = 5 μm 10 = 10 μm 25 = 25 μm 50 = 50 μm 70 = 70 μm 100 = 100 μm	20 = 20" 40 = 40" 60 = 60"	S = Silicone B = Buna E = EPDM V = Viton F = E-FKM	A = Code A B = Code B



MegaVision®

Single O-ring

Double O-ring



Pleated High Flow Filter Cartridge for Parker Replacement

This is a Parker replacement cartridge for the high flow applications. It is economical design for one kind of universal high flow filter housings.

BENEFITS

- High dirt capacity, longer service life
- Less cartridge changes out to save the labor cost
- Easy handing result in less manpower
- Wide chemical compatibility

APPLICATIONS

- Prefiltration of RO, Pretreatment of sea water desalination
- Oil and gas
- Power generation condensate system
- Food and beverages
- Pharmaceutical
- Microelectronics

Outside Diameter

6 inch(152mm)

Filter Media

Polypropylene (PP)

Outer Netting

Polypropylene (PP)

End Cap Material

Glass Fiber reinforced PP

Removal Rating (μm)

1	3	5	10	20	40	50
70	100					

Length (")

40

Seal Material

Silicone, EPDM , Buna-N , Viton

Maximum Operating Temperature

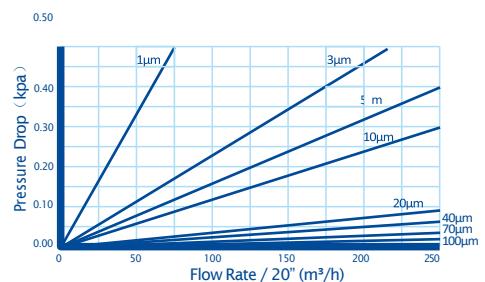
80°C

Maximum Operation Differential Pressure

3.0 Bar , 80°C

Suggested Maximum Flow Rate

1300 LPM

Flow Characteristics

ORDERING CODE

Example : PKPHF-PN-5-S-B

	Media	Removal Rating	Seal Material	End Cap Type
PKPHF	GF = Glass Fiber PN = PP Nominal PA = PP Absolute	1 = 1 μm 3 = 3 μm 5 = 5 μm 10 = 10 μm 20 = 20 μm 40 = 40 μm 50 = 50 μm 70 = 70 μm 100 = 100 μm	S = Silicone B = Buna E = EPDM V = Viton	A = Single O-ring B = Double O-ring



PP Pleated High Flow Filter Cartridge for Pentair Aqualine Replacement

This is the high flow filter cartridge to replace Pentair Aqualine high flow filter cartridge.

The large diameter with larger filtration area reduces the number of filter cartridges and the dimension of housing required.

APPLICATIONS

- Sea water desalination, Pre RO desalination
- Food and beverages
- Microelectronics
- Oil & chemical
- Machinery and equipment
- Power plant water treatment
- Steel mill water treatment

Outside Diameter

6.75 inch(172mm)

Inside Diameter

2.99 inch(76mm)

Filter Media

Polypropylene (PP)


CONFIGURATIONS
Removal Rating (μm)

0.5	1	3	5	10	20	40	50
70	100						

Length (")

40 (1016mm) 60 (1589mm)

Seal Material

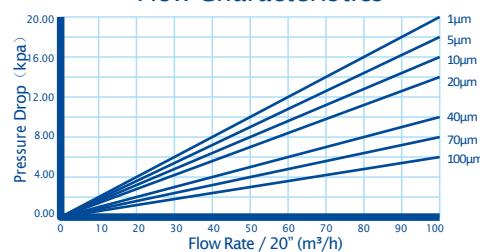
EPDM , Buna-N

Maximum Operating Temperature

Pleated PP: 82°C

Maximum Operation Differential Pressure

35 Psid

Flow Characteristics

BENEFITS

- Economical design, cost efficient
- Higher dirt holding capability, longer service life
- Different application requirements by designing different layers for the filter structure
- Nominal micron rating and absolute micron rating are available

ORDERING CODE

Example : APHF-PN-5-40-B

	Media	Removal Rating	Length	Seal Material
APHF	PN = PP Nominal PA = PP Absolute	0.5 = 0.5μm 1 = 1μm 3 = 3μm 5 = 5μm 10 = 10μm 25 = 25μm 50 = 50μm 70 = 70μm 100 = 100μm	40 = 40" 60 = 60"	B = Buna E = EPDM



PP Pleated Filter Cartridges for Pall Marksman Replacement

The function is the same as bag filter. And it has more filtration area and longer life than bag filter.

APPLICATIONS

- Oil and gas
- Food and beverage
- Pharmaceutical
- Microelectronics
- Prefiltration of RO, Pretreatment of sea water desalination
- Power generation condensate system

Outside Diameter

6 inch(152mm)

Filter Media

Pleated Depth Polypropylene(PP)

Support/Drainage

Polypropylene (PP)

End Caps

Polypropylene (PP)

Maximum Operating Temperature

60°C

Maximum Operation Differential Pressure

3.4 Bar , 60 °C

Recommended Change out Differential Pressure

2.4 Bar , 20°C


CONFIGURATIONS
Removal Rating (μm)

0.5	1	5	10	20	40	50
70	100	120				

Length (")

16 inch(370mm) for size 1 bag

32inch(634mm) for size 2 bag

Seal Material

EPDM , Buna-N

BENEFITS

- High dirt holding capacity, longer service life
- Less cartridge change out to save the labor cost
- Easily retrofit into existing size 1 and size 2 bag housings.
- The inside-to-outside fluid flow ensures the unwanted particles are trapped with the element.

ORDERING CODE

Example : PMPF-2-B-5-E

Length(inch/mm)	Flange Types	Removal Rating	O-Ring Material
PMPF 1 = 16"(370mm) (Size 1 bag) 2 = 32"(634mm) (Size 2 bag)	B = for side entry housing C = for over the top housing	0.5 = 0.5μm 1 = 1μm 5 = 5μm 10 = 10μm 20 = 20μm 40 = 40μm 50 = 50μm 70 = 70μm 100 = 100μm 120 = 120μm	B = NBR E = EPDM



Filter Bag

Filter bags are made of high-quality PP or PET or Nylon media.

Different styles are available for different application requirements.

It is your standard and economic option.

APPLICATIONS

- Water treatment
- Chemical
- Mechanical
- Food and beverage
- Pharmaceutical
- Microelectronics

BENEFITS

- Excellent chemical compatibility
- Various media types and sizes
- Nominal micron rating and absolute micron rating are available

Diameter

 Size 1: $\Phi 180 \times L420$

 Size 2: $\Phi 180 \times L810$

 Size 3: $\Phi 102 \times L220$

 Size 4: $\Phi 102 \times L380$

 Size 5: $\Phi 150 \times L510$
Filter Media

PP, PET, Nylon

Collar Media

Stainless Steel, PP, PET

Maximum Operating Temperature

PP: 80°C

PET: 120°C

Nylon: 160°C

Maximum Operation Differential Pressure

PP: 2.0 Bar @ 20°C

1.0 Bar @ 80°C

PET: 2.0 Bar @ 20°C

1.0 Bar @ 80°C

Nylon: 2.0 Bar @ 20°C

1.0 Bar @ 120°C


CONFIGURATIONS
Removal Rating (μm)

PP	0.5	1	3	5	10	25	50	70	100	150	200
PET	1	3	5	10	25	50	70	100	150	200	
Nylon	1	3	5	10	25	50	70	100	150	180	200
	300	400	600	800	1000						

ORDERING CODE

Example : HMB-1-PP-W-10-PP

FB	Dimension(mm)	Media	Body Construction	Removal Rating		
				PP	PET	Nylon
	1 = Size 1: $\Phi 180 \times L420$	PP = PP	W = Welded	0.5 = 0.5 μm	0.5 = 0.5 μm	1 = 1 μm
	2 = Size 2: $\Phi 180 \times L810$	PE = PET	S = Sewn	1 = 1 μm	1 = 1 μm	3 = 3 μm
	3 = Size 3: $\Phi 102 \times L220$	NY = Nylon		3 = 3 μm	3 = 3 μm	5 = 5 μm
	4 = Size 4: $\Phi 102 \times L380$			5 = 5 μm	5 = 5 μm	10 = 10 μm
	5 = Size 5: $\Phi 150 \times L510$			10 = 10 μm	10 = 10 μm	25 = 25 μm
Collar Media				25 = 25 μm	25 = 25 μm	50 = 50 μm
				50 = 50 μm	50 = 50 μm	70 = 70 μm
				70 = 70 μm	70 = 70 μm	100 = 100 μm
				100 = 100 μm	100 = 100 μm	150 = 150 μm
				150 = 150 μm	150 = 150 μm	180 = 180 μm
				200 = 200 μm	200 = 200 μm	200 = 200 μm
					400 = 400 μm	
					600 = 600 μm	
					800 = 800 μm	
					1000 = 1000 μm	



PP/Glass Fiber Pleated Depth Media Filter Cartridge

High surface area pleated cartridges have been developed to suit industrial processes where high levels of efficiency and extremely low pressure loss are required. In-house developments have optimized the filter media to give higher levels of porosity, and state of the art manufacturing technologies give excellent build quality. Three standard media options are available. Other more media options are available for special application.

APPLICATIONS

- Pharmaceuticals
- Food and beverage
- Oil & gas
- Microelectronics
- Chemical
- Prefiltration for RO
- Photographic solutions

BENEFITS

- Nominal micron rating and absolute micron rating are available.
- Low pressure drop, long service life
- Graded pore density for high dirt holding capacity
- Wide chemical compatibility using 100% polypropylene to meet FDA requirements


CONFIGURATIONS
Outside Diameter

2.7" (69mm)

Filter Media

PP or Glass Fiber

Support/Drainage

Polypropylene (PP)

Cage/Core/End cap

Polypropylene (PP)

Removal Rating (μm)

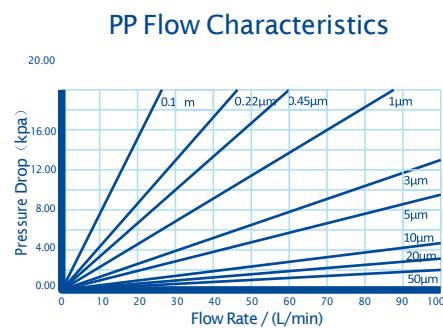
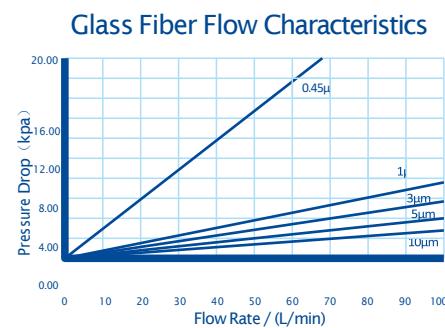
0.1	0.22	0.45	1	3	5	10
20	50					

Length (")

5	9.75	10	20	30	40
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Seal Material

S = Silicone	E = EPDM	B = NBR
V = Viton	T = Teflon	F = E-FKM


END CAP CONFIGURATION

ORDERING CODE

Example : PDM-PN-5-10-0-S-P

	Media	Removal Rating	Length	End Cap Type	Seal Material	Core
PDM	GS = Glass Fiber PN = PP Nominal PA = PP Absolute	0.1 = 0.1 μm 0.22 = 0.22 μm 0.45 = 0.45 μm 1 = 1 μm 3 = 3 μm 5 = 5 μm 10 = 10 μm 20 = 20 μm 50 = 50 μm	5 = 5" 975 = 9.75" 10 = 10" 20 = 20" 30 = 30" 40 = 40"	0 = DOE 5 = 213/Flat 2S = 222/Flat/SS 4S = 222/Fin/SS 2 = 222/Flat 4 = 222/Fin 3 = 226/Fin 3S = 226/Fin/SS 1 = 226/Flat 1S = 226/Flat/SS	S = Silicone E = EPDM B = NBR V = Viton T = Teflon F = E-FKM	P = PP Core S = SS Core



Polyethersulfone (PES) Pleated Filter Cartridge

PES Pleated Filter Cartridge is constructed of imported polyethersulfone (PES) membrane media and nonwoven support materials. The cage, core and end caps material are polypropylene. Adaptors are thermally welded with media without using any glue on that.

APPLICATIONS

- Pharmaceutics
- Sterile for food and beverage
- Fine filtration for chemical industry
- Fine filtration for wine or ultra pure water

BENEFITS

- Excellent performance of chemical compatibility
- Hydrophilic and asymmetric membrane with high flow
- No fiber-releasing according to pharmaceutics and food industry requirements
- Experiencing 100% integrity tested
- Flushed with ultrapure water
- FDA compliance material


CONFIGURATIONS
Outside Diameter

2.7" (69mm)

Filter Media

Polyethersulfone (PES)

Support

Polypropylene (PP)

Cage/Core/End cap

Polypropylene (PP)

Removal Rating (μm)

0.1 0.22 0.45 0.65 0.8 1.2

Length (")

9.75 10 20 30 40

Seal Material

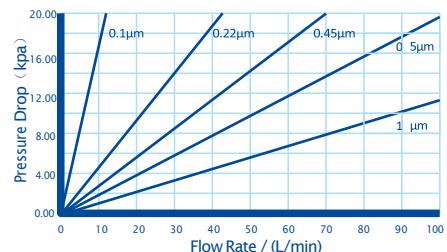
S = Silicone	E = EPDM	B = NBR
V = Viton	T = Teflon	F = E-FKM


SPECIFICATION
Maximum Operating Temperature

PP : 80°C

Maximum Operation Differential Pressure

4.2 Bar @ 21°C

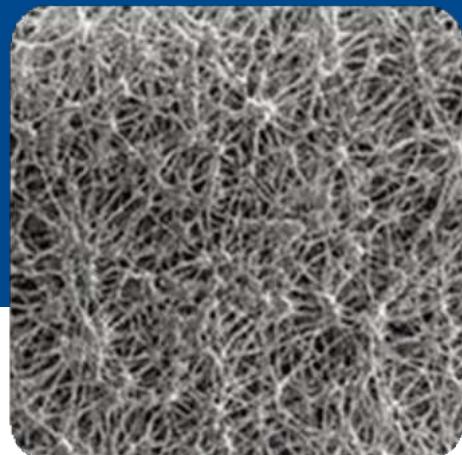
Flow Characteristics


END CAP CONFIGURATION

ORDERING CODE

Example : PFPES-0.22-10-0-S-P

	Removal Rating	Length	End Cap Type	Seal Material	Core
PFPES	0.1 = 0.1 μm 0.22 = 0.22 μm 0.45 = 0.45 μm 0.65 = 0.65 μm 0.8 = 0.8 μm 1.2 = 1.2 μm	975 = 9.75" 10 = 10" 20 = 20" 30 = 30" 40 = 40"	0 = DOE 5 = 213/Flat 2S = 222/Flat/SS 4S = 222/Fin/SS 2 = 222/Flat 4 = 222/Fin 3 = 226/Fin 3S = 226/Fin/SS I = 226/Flat 1S = 226/Flat/SS 3P = 226/Fin/PSU 1P = 226/Flat/PSU	S = Silicone E = EPDM B = NBR V = Viton T = Teflon F = E-FKM	P = PP Core S = SS Core



Nylon66 Pleated Filter Cartridge

Nylon Pleated Filter Cartridge is constructed of Nylon66 media and non-woven support materials. Adaptors are thermally welded with media without using any glue, which is free from pollution.

APPLICATIONS

- Pharmaceuticals
- Food and beverage
- Semiconductor

BENEFITS

- Possessing better performance of high temperature resistance, acid and base resistance
- Hydrophilic membrane with high flow
- Non-fiber releasing according to pharmaceuticals and food industry requirements
- 100% integrity tested
- Flushed with ultrapure water


CONFIGURATIONS
Outside Diameter

2.7" (69mm)

Filter Media

Nylon66

Support/Drainage

Polypropylene (PP)

Cage/Core/End cap

Polypropylene (PP)

Removal Rating (μm)

0.1	0.22	0.45	0.65	1	3	5
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Length (")

9.75	10	20	30	40
------	----	----	----	----

Seal Material

S = Silicone	E = EPDM	B = NBR
V = Viton	T = Teflon	F = E-FKM


SPECIFICATION
Maximum Operating Temperature

PP : 60°C

Maximum Operation Differential Pressure

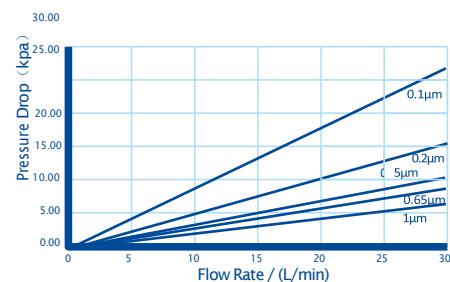
4.2 Bar @ 25°C

Maximum Differential Pressure (reverse direction)

2.1 Bar @ 25°C

Maximum Temperature Sterilization

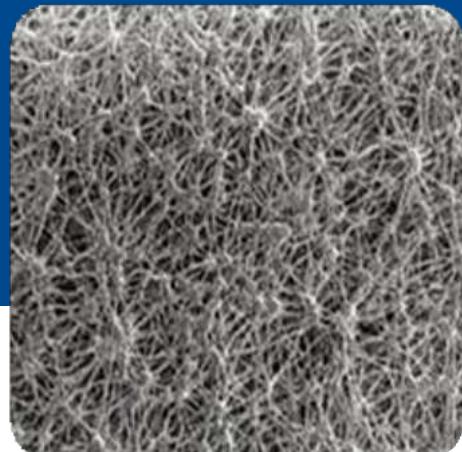
30 times, 30 minutes @ 121°C

Pressure Drop vs Flow Rate@20°C

END CAP CONFIGURATION

ORDERING CODE

Example : PFNY-5-10-0-S

	Removal Rating	Length	End Cap Type	Seal Material	Core
PFNY	0.1 = 0.1 μm 0.22 = 10.22 μm 0.45 = 0.45 μm 1 = 1 μm 3 = 3 μm 5 = 5 μm	975 = 9.75" 10 = 10" 20 = 20" 30 = 30" 40 = 40"	0 = DOE 5 = 213/Flat 2S = 222/Flat/SS 4S = 222/Fin/SS 2 = 222/Flat 4 = 222/Fin 3 = 226/Fin 3S = 226/Fin/SS 1 = 226/Flat 1S = 226/Flat/SS	S = Silicone E = EPDM B = NBR V = Viton T = Teflon F = E-FKM	P = PP Core S = SS Core



Hydrophobic PTFE / Hydrophilic PTFE Pleated Filter Cartridge

PTFE Pleated Filter Cartridge is constructed of imported natural Polytetrafluoroethylene membrane media and non-woven support materials. Adaptors are thermally welded with media without using any glue which is free from pollution.

APPLICATIONS

- Fermentation tank
- vent filter of hold tank
- Electronic industry
- Semiconductor: ultrapure gas filtration
- Chemical industry

BENEFITS

- Excellent performance of high temperature-resistance, repeat steam ability in situ.
- Low pressure drop, high flow rate, long service life
- 100% integrity tested
- No fiber-releasing
- FDA compliance material


CONFIGURATIONS
Outside Diameter

2.7" (69mm)

Filter Media

Hydrophobic PTFE or Hydrophilic PTFE

Support

Polypropylene (PP)

Cage/Core/End cap

Polypropylene (PP)

Removal Rating (μm)

For Gas : 0.01 0.02

For Liquid : 0.1 0.22 0.45

Length (")

9.75 10 20 30 40

Seal Material

S = Silicone E = EPDM B = NBR

V = Viton T = Teflon F = E-FKM

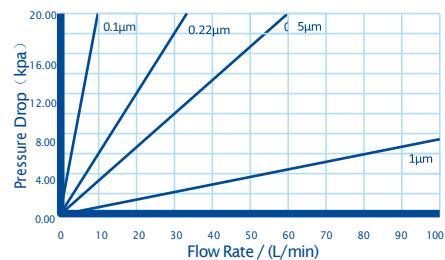

SPECIFICATION
Maximum Operating Temperature

PP : 80°C

Maximum Operation Differential Pressure

4.2 Bar @ 21°C

2.1 Bar @ 80°C

Flow Characteristics

END CAP CONFIGURATION

ORDERING CODE

Example : PFPTFE-HO-0.22-10-0-S-S

	Media	Removal Rating	Length	End Cap Type	Seal Material	Core
PFPTFE	HO = Hydrophobic HP = Hydrophilic	0.1 = 0.1 μm 0.22 = 0.22 μm 0.45 = 0.45 μm I = 1 μm	5 = 5" 975 = 9.75" 10 = 10" 20 = 20" 30 = 30" 40 = 40"	0 = DOE 5 = 213/Flat 2S = 222/Flat/SS 4S = 222/Fin/SS 2 = 222/Flat 4 = 222/Fin 3 = 226/Fin 3S = 226/Fin/SS I = 226/Flat 1S = 226/Flat/SS	S = Silicone E = EPDM B = NBR V = Viton T = Teflon F = E-FKM	P = PP Core S = SS Core



OD83 or OD131 Pleated Filter Cartridge

OD83 or OD131 Pleated filter cartridge is designed for the filtration in the wetting process in the flat panel display.

APPLICATIONS

- Water treatment in microelectronics
- Chemical filtration in microelectronics

BENEFITS

- Larger filtration area, longer service life
- Save cost and easy to replace
- Many media types and micron ratings available
- Safe and reliable material

Outside Diameter

83mm, 131mm

Filter Media

PP, PES, Hydrophobic PTFE, Hydrophilic PTFE

Support

Polypropylene (PP)

Core/End cap

Polypropylene (PP)


SPECIFICATION
Maximum Operating Temperature

PP : 80°C

Maximum Operation Differential Pressure

4.0 Bar @ 21°C ; 2.4 Bar @ 80°C

Removal Rating (μm)

PP	0.1	0.22	0.45	0.5	1	1.2	3	5	10	20	50	70
PES	0.04	0.1	0.22	0.45	0.65	1.2						
Hydrophobic PTFE	0.01	0.2	0.05	0.1	0.22	0.45	1	5	10			
Hydrophilic PTFE	0.05	0.1	0.22	0.45	1							

Length (")

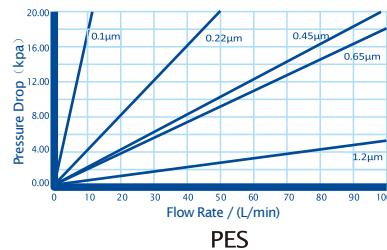
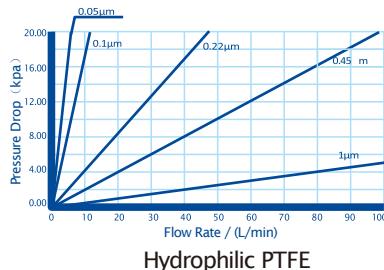
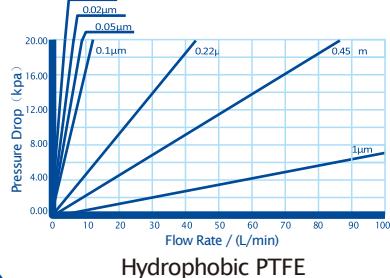
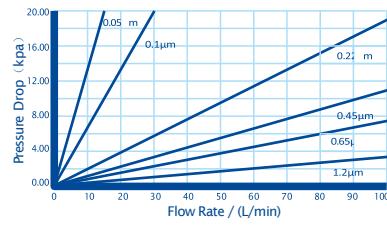
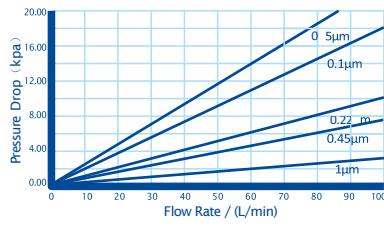
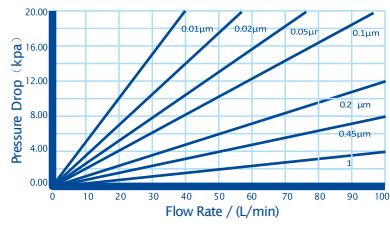
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Seal Material

E = EPDM

V = Viton

F = E-FKM

OD83 SERIES

OD131 SERIES

ORDERING CODE

Example : PFOD-832-PP-0.22-E

	Cartridge Type	Media Type	Micron Rating	O-ring Material		
PFOD	832 = Diameter 83mm, 222 Flat double o-ring 836 = Diameter 83mm, 226 Flat double o-ring 131 = Diameter 131mm, 334 single o-ring	PP = PP Pleated PES = PES HOPT = Hydrophobic PTFE HIPT = Hydrophilic PTFE	PP 0.1 = 0.1μm 0.22 = 0.22μm 0.45 = 0.45μm 0.5 = 0.5μm 1 = 1μm 1.2 = 1.2μm 3 = 3μm 5 = 5μm 10 = 10μm 20 = 20μm 50 = 50μm 70 = 70μm	PES 0.04 = 0.04μm 0.1 = 0.1μm 0.22 = 0.22μm 0.45 = 0.45μm 0.65 = 0.65μm 1.2 = 1.2μm 0.05 = 0.05μm 0.1 = 0.1μm 0.22 = 0.22μm 0.45 = 0.45μm 1 = 1μm	Hydrophobic PTFE 0.01 = 0.01μm 0.02 = 0.02μm 0.05 = 0.05μm 0.1 = 0.1μm 0.22 = 0.22μm 0.45 = 0.45μm 1 = 1μm 5 = 5μm 10 = 10μm	E = EPDM V = Viton T = Teflon



OD115 Big Blue Pleated Filter Cartridge

OD115 big blue Pleated filter cartridge can replace the conventional depth big blue filters to improve the output and reduce the costs.

APPLICATIONS

- Drinking water
- Commercial water treatment
- RO Pre-filtration
- Small and medium size water treatment systems

BENEFITS

- Larger filtration area, longer service life
- High performance filter media for high efficiency
- Easy to replace the conventional big blue systems
- Many media types and micron ratings available
- FDA compliant material

Outside Diameter

115mm

Inside Diameter

28mm

Filter Media

PP, Glass Fiber, PES

Support

Polypropylene (PP)

Cage/End cap

Polypropylene (PP)

Removal Rating (μm)

PP	0.1	0.22	0.45	0.5	1	1.2	3	5	10	20	50
PES	0.1	0.22	0.45	0.65	1.2						
Glass Fiber	0.45	1	3	5	10	20					

Length (")

10	20
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Seal Material

S = Silicone

E = EPDM

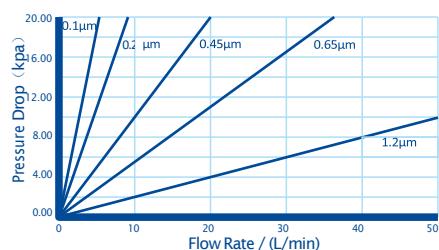

SPECIFICATION
Maximum Operating Temperature

PP : 80°C

Maximum Operation Differential Pressure

4.0 Bar @ 21°C

2.4 Bar @ 80°C

Flow Characteristics

ORDERING CODE

Example : PF115-PP-0.5-10-E

	Media Type	Micron Rating			O-ring Material
		PP	PES	Glass Fiber	
PF115	PP = PP Pleated GS = Glass Fiber PES = PES	0.1 = 0.1μm 0.22 = 0.22μm 0.45 = 0.45μm 0.5 = 0.5μm 1 = 1μm 3 = 3μm 5 = 5μm 20 = 20μm 50 = 50μm	0.1 = 0.1μm 0.22 = 0.22μm 0.45 = 0.45μm 0.65 = 0.65μm 1.2 = 1.2μm	0.45 = 0.45μm 1 = 1μm 3 = 3μm 5 = 5μm 10 = 10μm 20 = 20μm	S = Silicone E = EPDM



Activated Carbon Fiber Pleated Filter Cartridge

Activated carbon fiber pleated filter cartridge is made of excellent activated carbon fiber and polypropylene components for high precision filtration. It has excellent ability to remove the odor, color and chlorine in liquid.

APPLICATIONS

- Remove the color of intermediates in pharmaceuticals industry
- Organic impurities, chlorine and heavy metal ions removal in bottled water industry
- Alcohol clarification
- Remove the color in the organic solvent

BENEFITS

- High dirt holding capacity and no carbon fiber release
- Excellent adsorptive capacity, high particles removal efficiency
- High chlorine taste and odor reduction
- Board chemical compatibility, resistant to acids and bases
- No hazardous substances releasing

Outer Diameter
69mm(2.75")

Inner Diameter
33mm(1.30")

Filter Media
Activated Carbon Fiber (ACF)

Support Layers
Polypropylene

Inner core
Polypropylene

Outer Cage, End caps
Polypropylene


CONFIGURATIONS
Removal Rating (μm)

1 3 5

Length (")

10 20 30 40

O-rings / Gaskets

S = Silicone	E = EPDM	B = NBR
V = Viton	F = E-FKM	

Seal Method

Thermal Bonded, No Adhesives


SPECIFICATION
Filtration Area(m²)

0.5 m² per 10"

Normal Operating Temperature
Up to 50°C (122°F)

Max.Operating Temperature
80°C (176°F) at P≤1.0 bar (14psi)

Normal Flow direction
4.2 bar (60 psi) at 25°C (77°F)

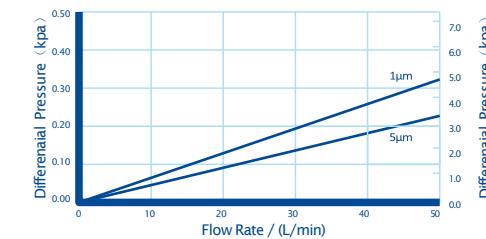
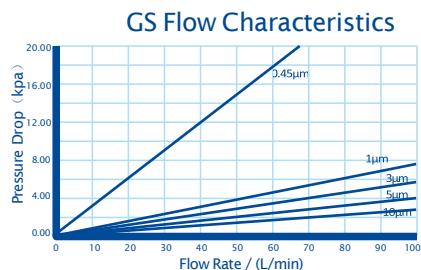
Reverse flow direction
2.1 bar (30 psi) at 25°C (77°F)

PH Value compatibility
2-13

Sterilization
Flush with hot water at 82°C(180°F) for 30 minutes

Endotoxin
<0.25 EU/ml

Extractables
0.03g / 10"


END CAP CONFIGURATION

ORDERING CODE

Example : PFACF-3-10-0-S-P

	Removal Rating	Length	End Cap Type	Seal Material	Core
PFACF	1 = 1μm 3 = 3μm 5 = 5μm	5 = 5" 975 = 9.75" 10 = 10" 20 = 20" 30 = 30" 40 = 40"	0 = DOE 5 = 213/Flat 2S = 222/Flat/SS 4S = 222/Fin/SS 2 = 222/Flat 4 = 222/Fin 3 = 226/Fin 3S = 226/Fin/SS 1 = 226/Flat 1S = 226/Flat/SS	S = Silicone E = EPDM B = NBR V = Viton F = E-FKM	P = PP Core S = SUS304



Hydrophilic PVDF Pleated Filter Cartridge

This type has excellent resistance to high temperature and corrosion resistance, no fiber shedding. Filter media has good hydrophilicity, no need to do pre-wetting before filtration.

APPLICATIONS

- Pharmaceutics
- Food and beverage
- Microelectronics
- Chemical

BENEFITS

- No need to do pre-wetting before filtration.
- Excellent chemical compatibility
- Absolute filtration efficiency
- 100% integrity tested and material meet FDA requirements


CONFIGURATIONS
Outside Diameter

2.7" (69mm)

Filter Media

Hydrophilic PVDF

Support/Drainage

Polypropylene (PP)

Cage/Core/End cap

Polypropylene (PP)

Removal Rating (μm)

0.1 0.22 0.45 0.65 0.8 1.2

Length (")

5 9.75 10 20 30 40

Seal Material

S = Silicone	E = EPDM	B = NBR
V = Viton	T = Teflon	F = E-FKM

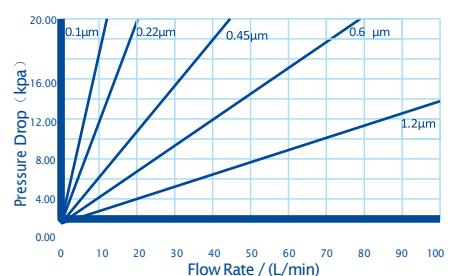
SPECIFICATION
Maximum Operating Temperature

PP : 80°C

Maximum Operation Differential Pressure

4.0 Bar @ 20°C

2.4 Bar @ 80°C

Flow Characteristics


END CAP CONFIGURATION

ORDERING CODE

Example : PFPVDF-P-0.22-10-0-S-P

	Removal Rating	Length	End Cap Type	Seal Material	Core
PFPVDF	0.1 = 0.1 μm 0.22 = 0.22 μm 0.45 = 0.45 μm 0.65 = 0.65 μm 0.8 = 0.8 μm 1.2 = 1.2 μm	5 = 5" 975 = 9.75" 10 = 10" 20 = 20" 30 = 30" 40 = 40"	0 = DOE 5 = 213/Flat 2S = 222/Flat/SS 4S = 222/Fin/SS 2 = 222/Flat 4 = 222/Fin 3 = 226/Fin 3S = 226/Fin/SS I = 226/Flat IS = 226/Flat/SS	S = Silicone E = EPDM B = NBR V = Viton T = Teflon F = E-FKM	P = PP Core S = SS Core



Hydrophobic PTFE / Hydrophilic PTFE Pleated Filter Cartridge with PVDF Cage

PFPP series filter cartridges are designed with PTFE membrane, ECTFE support layer and PVDF outer cage and can resist strong acids, strong bases, organic solvents and corrosive fluids. Flexibility to choose hydrophobic (HO) or hydrophilic (HP) PTFE membrane to suit different applications.

APPLICATIONS

- Sterile filtration for various water-soluble solvents in the pharmaceutical industry.
- Microelectronics semiconductor industry for wet etching and washing process water.
- Eye drops, sterile filtration of antibiotics.
- Sterile filtration of highly corrosive solvents and organic solvents.
- Filtration of highly corrosive water-soluble chemicals.
- Respirators, fermentation tank, gas sterilization filtration.

BENEFITS

- Excellent performance of high temperature-resistance, repeat steam ability in situ
- Excellent chemical compatibility
- Absolute filtration efficiency
- 100% integrity tested and material meet FDA requirements



Outside Diameter

2.7" (69mm)

Filter Media

Hydrophobic PTFE or Hydrophilic PTFE

Support

ECTFE

Cage/Core/End cap

PFA, PVDF

Removal Rating (μm)

0.05 0.1 0.22 0.45 1 10

Length (")

9.75 10 20 30 40

Seal Material

S = Silicone	E = EPDM	B = NBR
V = Viton	T = Teflon	F = E-FKM

SPECIFICATION



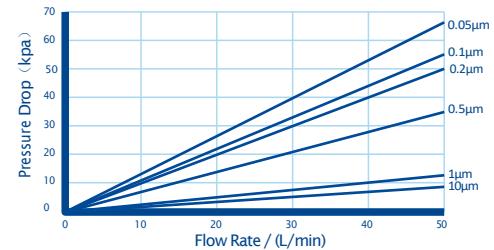
Maximum Operating Temperature

120°C

Maximum Operation Differential Pressure

Forward 0.42Mpa
Reverse 0.21Mpa

Differential Pressure vs. Flow rate(10")



END CAP CONFIGURATION



ORDERING CODE

Example : PFPF-HO-0.22-10-4-W

PTFE Media		Removal Rating	Length	End Cap Type	Seal Material	Package
PFPF	HO = Hydrophobic HP = Hydrophilic	0.05 = 0.05 μm 0.1 = 0.1 μm 0.22 = 0.22 μm 0.45 = 0.45 μm 1 = 1 μm 10 = 10 μm	5 = 5" 975 = 9.75" 10 = 10" 20 = 20" 30 = 30" 40 = 40"	0 = DOE 2S = 222/Flat/SS 4S = 222/Fin/SS 2 = 222/Flat 4 = 222/Fin 3 = 226/Fin 3S = 226/Fin/SS 1 = 226/Flat 1S = 226/Flat/SS	S = Silicone E = EPDM B = NBR V = Viton T = Teflon F = E-FKM	Blank = No Pre-wetting W = Pre-wetting



MEGAPORE Filter Integrity Tester

FUNCTION

- Inspect the integrity of all kinds of filters, i.e. pleated filter cartridge, disc membrane filter and capsule filter ect.
- Automatical running, easy to use.
- Process display in 10.4" screen in graphic.
- Inbuilt printer to print the results in real time.
- Records storage, inquiry, print and USB output.
- Imported high quality spare parts.
- Water spill-resistant.

FEATURE

- 3 level access control
- Quick Coupling by Staubli to avoid leakage
- External electromagnetic valve to avoid gas back
- Process displayed in graphic



SPECIFICATION

Model	MPET-101
Power Supply	AC110V or AC220V,50Hz or 60Hz
Power Consumption	70W
Detection Accuracy	±3% indication error ; ±0.4% range error ; Whichever is bigger
Reproducibility Accuracy	±3% indication error ; ±0.4% range error ; Whichever is bigger
Detection Range	Water Intrusion Test:0.05-50ml/min.
Bubble Points Test	700-6000bar
Forward Flow Test	0.1-200ml/min
Detection Sensitivity	Water Intrusion Test:0.01ml/min Bubble Point Test:50mbar Forward Flow Test:0.1ml/min

String Wound Power Plant Filter Cartridge

SW string wound filter cartridge is washable depth filter with high performance fiber (polypropylene, cotton, glass fiber etc.,). It can be easily change-out to save labor and get large filtration area and long service life with high flow rate.

APPLICATIONS

- Power plant condensate polishing system
- RO Prefiltration, sea water desalination
- Filtration of bottled water, make-up water, rinsing water
- Paints and coatings, petrochemical, refineries

Outer Diameter

50mm or 60mm

Inner Diameter

25mm or 28mm

Filter Media

Polypropylene, Cotton, Glass Fiber

Support core/caps

Stainless Steel 304 or 316

Connection type

Thread

Connection size

M33x1.5 (internal thread)

M33x2 or customized as customer request

Maximum Operating Temperature

85°C

Maximum Operation Differential Pressure

3.0 bar @ 90°C

Design Flow Rate

 2.2 m³/h - 2.8 m³/h (Recommended 2.5 m³/h)


CONFIGURATIONS
Removal Rating (μm)

1 5 10

Length (")

40 60 70

Core

SS304, SS316

BENEFITS

- Directly installed into existed housings
- High mechanical strength, withstand harsh processing conditions
- Up to 70" length with high flow and high dirt holding capacity

ORDERING CODE

Example : PPSW-CT-1-S4-60-Z3-M8

	Media	Micron	Core	Length	Connection Thread	Bottom Thread
PPSW	PP = Polypropylene CT = Cotton GF = Glass Fiber	1 = 1μm 5 = 5μm 10 = 10μm	S4 = SS304 S6 = SS316	40 = 40" 60 = 60" 70 = 70"	Z1 = M33x1.5 Z2 = M33x2 Z3 = G1" Z4 = 13/16"-24BSW	M6 M8 M10



PP Pleated Power Plant Filter Cartridge

This pleated backwash filter cartridge is most widely used in condensate polishing pre-filtration. The Pleated design has an increased filtration area and wide chemical compatibility. It can be welded by 7pcs×10" parts or 3pcs×20+10" parts or 40"+30" parts.

APPLICATIONS

- Power plant condensate polishing system
- RO Prefiltration, sea water desalination
- Filtration of bottled water, make-up water, rinsing water
- Paints and coatings, petrochemical, refineries

Filter Media

Polypropylene

Support core/caps

Polypropylene

Connection type

Thread

Connection size

1 1/2"-12 (Internal Thread)

M33x1.5 (Internal Thread) customized as customer request

Outer Diameter

65mm or 69mm

Filtration Area

 0.65m²/10"

Maximum Operating Temperature

85°C

Maximum Differential Pressure

2.8 Bar , 65°C

Maximum Differential Pressure

2.1 Bar , 21°C

Flow of Single Cartridge(m³/h)

3.9 - 4.5

Backwashing Flow

In the 1.36 - 2.10 Bar pressure,

 Backwashing Flow of single cartridge is 0.45 - 0.68m³/h

Backwashing Air Flow

In the 1.36-2.10 Bar pressure,

 Backwashing Flow of single cartridge is 3.4 - 5m³/h


CONFIGURATIONS
Removal Rating (μm)

1 4 5 10

Length (")

60 70

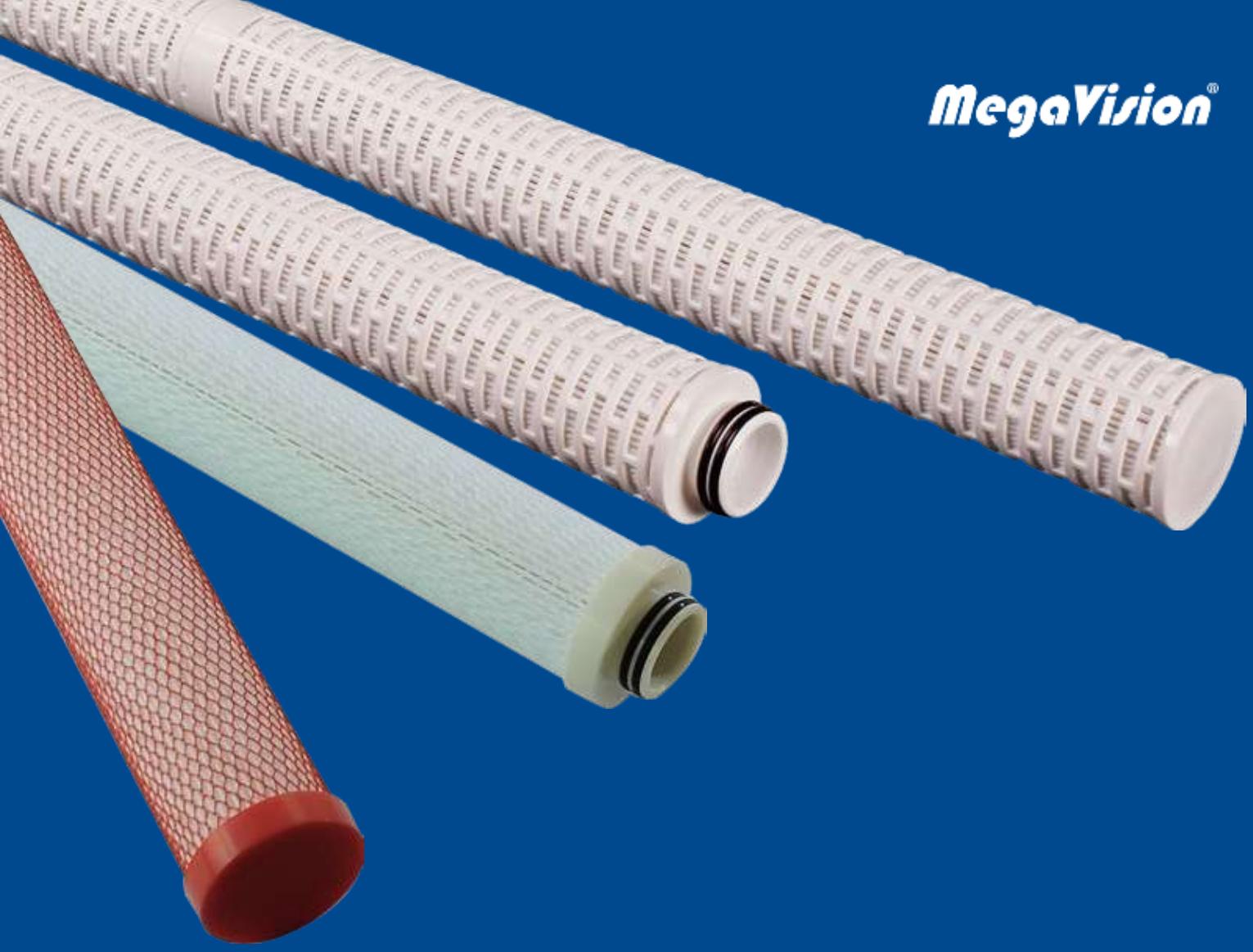
BENEFITS

- Backwash design
- Using thread connection, easy installation, high dirt holding capacity
- Wide chemical compatibility
- Resin pre-coat can be done before filtration

ORDERING CODE

Example : PPPC-PP-5-B-70-Z-M6

Media		Micron	Structure Type	Length	Connection Thread	Bottom Thread
PPPC	PP= Polypropylene	I = 1μm 4 = 4μm 5 = 5μm 10 = 10μm	A = 7pcs×10" B = 3pcs×20+10" C = 40"+30" D = 3pcs×20"	60 = 60"(1524mm) 70 = 70"(1778mm)	Z = 1 1/2"-12	3/8 M6 M8 M10



Offshore Pleated Filter Cartridge

Offshore pleated filter cartridges are widely used in the offshore injection water treatment. Due to large filter area and design, the number of cartridges are reduced. It has netting type and cage type for customer option.

APPLICATIONS

- Chemical
- Oil & gas Industry
- Metal treatment process water
- Electronics
- Prefiltration

Outside Diameter

64mm , 66mm (netting type only)
69mm (netting type only)

Inside Diameter

28mm

Filter Media

Polypropylene(PP)

Cage

Polypropylene(PP)

Operating Pressure and temperature

The pleated cartridge structure will withstand differential Pressures up to 60 psi (4Bar) at ambient temperature.
The optimum changeout differential pressure is 35psi(2.5Bar) up to 52°C.

Service condition

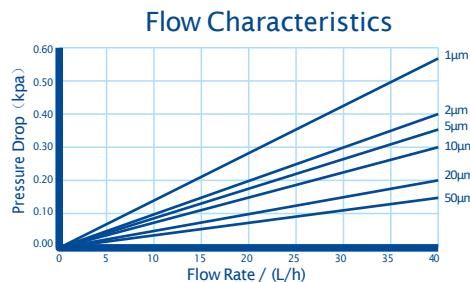
500 Kpa (5Bar) by 20°C
300 Kpa (3Bar) by 65°C
Beta: 5000(99.98% removal efficiency) for glass fiber media.
Construction: Fully thermal welded.


CONFIGURATIONS
Removal Rating (μm)

1 2 5 10 20 50

Length (")

30 40


Seal Material

Silicone, EPDM, NBR, Viton

End Cap Types

DOE, 222/Flat End

BENEFITS

- Large filter area and depth filtration provide a long lifetime.
- Low cost because of large filter area and reduced labor costs to change.
- The absolute glass fiber media supplies optimal efficiency of solids removal.

ORDERING CODE

Example : OPC-64-5-40-2T-E-P-N

	OD	Micron	Length	End Cap	O-Ring/Gasket	Media	Type
OPC	64 = 64mm 66 = 66mm (netting type only) 69 = 69mm (netting type only)	1 = 1 μm 3 = 3 μm 5 = 5 μm 10 = 10 μm 25 = 25 μm 50 = 50 μm	30 = 30" 40 = 40"	D = DOE 2T = 222/Flat	S = Silicone B = Buna-N E = EPDM V = Viton	P = PP G = Glass Fiber T = Polyester	C = Cage N = Netting



Lenticular Filter

Lenticular filter is made of depth filter sheets. It is widely used in wine and beer filtration.

Also used well in pharmaceutical and other applications.

APPLICATIONS

- Pharmaceuticals
- Food and beverage
- Fine chemical
- Machinery & equipment



CONFIGURATIONS

Outside Diameter

8", 12", 16"

Filter Sheet Material

Cellulose fibers, resins, Perlite, natural diatomaceous Earths, and etc.,

Core and Separator

Polypropylene (PP)

Typical Rating (μm)

H002 : 0.2-0.4 μm
H004 : 0.4-0.6 μm
H100 : 1-3 μm
H150 : 2-5 μm
H200 : 3-7 μm

O-ring or Gasket

Silicone, EPDM, Viton

End Cap Types

DOE with Gasket
SOE without double O-ring

BENEFITS

- Back washable
- No filter sheet deformities after heat treatment
- More filtration area

ORDERING CODE

Example : LF-12-16-H150-D-S

	Outside Diameter	Construction	Removal Rating	End Cap Type	Seal Material
LF	8 = 8"(8 Cells) 12 = 12"(9 Cells or 15 cells or 16 cells) 16 = 16"(16 cells)	8 = 8 cells 9 = 9 cells 12 = 12 cells 15 = 15 cells 16 = 16 cells	H001 = 0.04-0.2 μm H002 = 0.2-0.4 μm H004 = 0.4-0.6 μm H100 = 1-3 μm H150 = 2-5 μm H200 = 3-7 μm H250 = 10-15 μm H400 = 25-30 μm H500 = 40-50 μm H600 = 50-60 μm	D =DOE with Gasket S =SOE without double O-ring	S = Silicone E = EPDM B = NBR



Carbon Lenticular Filter

Carbon Lenticular Filter has activate carbon fiber in the filter based on the standard lenticular filter.

APPLICATIONS

- Removing dissociative chlorine and volatiles organic compounds (VOC) in solution
- Oil and aromatic series in solution
- Remove smell, odor, organic pigment
- Remove metal ion

BENEFITS

- No need to do pre wetting before filtration
- Excellent chemical compatibility
- Absolute filtration efficiency
- 100% integrity tested and material
- meet FDA requirements



Outside Diameter

8", 12", 16"

Filter Sheet Material

Carbon cellulose
Activated carbon resins, and etc

Core and Separator

Polypropylene (PP)



Typical Rating (μm)

3-5μm

Double O-ring or flat gasket

Silicone, EPDM, NBR

O-ring or Gasket

Silicone, EPDM, Viton

End Cap Types

DOE with Gasket
SOE without double O-ring



Max Operating Temperature

80°C

Max Operating Drop Pressure

2.0 Bar / 25°C
1.0 Bar / 80°C

ORDERING CODE

Example : CLF-12-16-D-S

	Outside Diameter	Construction	End Cap Type	Seal Material
CLF	8 = 8"(8 Cells) 12 = 12"(9 Cells or 15 cells or 16 cells) 16 = 16"(16 cells)	8 = 8 cells 9 = 9 cells 12 = 12 cells 15 = 15 cells 16 = 16 cells	D = DOE with Gasket S = SOE without double O-ring	S = Silicone E = EPDM B = NBR



Lenticular Filter Sheets

With excellent clarification performance for reliable removal from particles to microorganisms due to optimal pore structure and adsorption.

Our depth filter sheet's standard range meets demanding liquid filtration requirements. The product's standard range seamlessly covers retention grades between 0.1 and 0.2 μ m.

APPLICATION RANGE

Wine, beer, fruit juices, sugar, spirits, food, fine/specialty chemistry, biotechnology, pharmaceutical, electronic, cosmetics.

DATA

Type	Speed ($\Delta p 0.03$ bar 5.50ml.10cm ²)	Thickness (mm)	Mass per Unit Area (g/m ²)	Nominal retention (μ m)	Water Permeability (L/m ³ min $\Delta = 100$ kPa)	Dry bursting strength (kPa \geq)	Wet bursting strength (kPa \geq)	Ash \leq %	color
SCP-309	30" - 1'30"	3.4 - 4.0	from 1300 to 1450	10.0 - 20.0	425 - 830	550	230	28	yellow
SCP-310	2" - 5"	3.4 - 4.0		4.0 - 9.0	240 - 320	550	230	28	yellow
SCP-311	1'30" - 4'	3.4 - 4.0		5.0 - 12.0	350 - 550	550	230	28	yellow
SCP-312	4' - 7'	3.4 - 4.0		3.0 - 6.0	200 - 280	550	230	35	yellow
SCP-321	7' - 10'	3.4 - 4.0		1.5 - 3.0	160 - 210	550	200	37.5	yellow
SCP-332	10' - 20'	3.4 - 4.0		0.8 - 1.5	99 - 128	550	200	49	yellow
SCP-333	20' - 30'	3.4 - 4.0		0.6 - 1.0	70 - 110	550	200	48	yellow
SCP-334	30' - 40'	3.4 - 4.0		0.5 - 0.8	65 - 88	550	200	47	yellow
SCP-360	20' - 30'	3.4 - 4.0		0.6 - 1.0	88 - 119	550	200	43	white
SCP-610	30' - 40'	3.4 - 4.0		0.5 - 0.8	65 - 88	550	200	47	yellow
SCP-620	40' - 50'	3.4 - 4.0		0.3 - 0.45	42 - 68	550	180	52	yellow
SCP-640	45' - 55'	3.4 - 4.0		0.3 - 0.45	23 - 38	450	180	51	yellow
SCP-660	50' - 70'	3.4 - 4.0		0.2 - 0.4	26 - 47	450	180	52	yellow
SCP-680	60' - 80'	3.4 - 4.0		0.1 - 0.3	23 - 36	450	180	52	yellow

MATERIAL

Cleaned and bleached cellulose
Cationic wet strength agent
Natural filter aid (kieselgur, perlite)

FORMS OF SUPPLY

All paper sheets are available to fit any filter press sizes and types
folded or single sheets
Format between 10x10 cm to 130x300cm
Square or round
Punch holes
Special customary size

QUALITY ASSURANCE

Quality checks meet international standards:

- ISO 9001:2015 (quality management, for the whole process of design, production of filter board)
- FDA 21 CFR compliance
- GB 4806.8-2016 National Food Safety Standard Papers, Paperboard Materials and Products Contacted with Food
- Record of foreign trade operators

All the certifications prove that a fully functioning comprehensive Quality Assurance System covering product development, contract controls, choice of raw material, receiving inspections, production, final inspection, inventory management, and shipment has been implemented.

PACKAGING

All sheets are hygienically plastic wrapped and packed in cardboard boxes. Special packaging (non-standard sizes or unboxed) is available on request.

STORAGE PERIOD AND CONDITIONS

The sheets must be stored in their original packaging in an odor-free, dry and well-ventilated area. The sheets should be used within 24 months after production date.

Do not put the sheets together with evaporating chemicals, oils, fuels, etc. Do not expose support sheets to direct sunlight.

WASTE DISPOSAL

Untainted sheets can be disposed with domestic waste or organic waste. Used sheets must be disposed of in accordance with the type of contamination.

PP Melt Blown Filter Element

The PP Melt Blown Filter Cartridge consists of three layers of fine fibers in surface. It's your economic option. The surface can be smooth surface, orange surface, mini groove surface or deep groove surface to meet your different requirements.

APPLICATIONS

- Drinking water treatment
- Electronic
- RO security filtration
- Plating
- Chemicals & solvents
- Food and beverage

BENEFITS

- FDA CFR-21 compliance material
- Wide chemical compatibility
- Groove design to extend the filtration surface area
- All kinds of end caps are available.

Outside Diameter

63mm , 115mm or customized diameter

Inside Diameter

28mm , 30mm

Filter Media and End Caps

Polypropylene(PP)

Core

Polypropylene (PP)

Removal Rating (μm)

1	3	5	10	20	25	50
75	100	150				

Length (")

9.75	9.87	10	20	30	40	50	60
------	------	----	----	----	----	----	----

Gaskets/O-ring

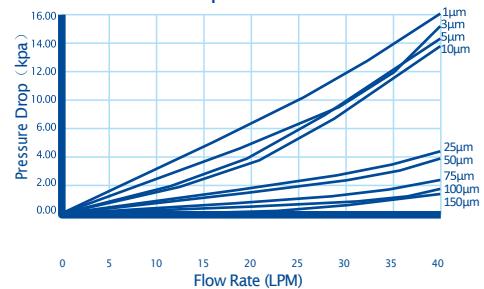
S = Silicone	E = EPDM	B = NBR
V = Viton		

Max Operating Temperature

80°C

Maximum Operation Differential Pressure

2.0 Bar / 21°C

Pressure Drop vs.Flow Rate@20°C

ORDERING CODE

Example : PPMBF-5-10-2-C-S

Outer Diameter	Removal Rating	Length	End Cap Type
PPMBF	Blank = 2.5" (63mm) BB = 4.5" (115mm)	1 = 1 μm 3 = 3 μm 5 = 5 μm 10 = 10 μm 25 = 25 μm 50 = 50 μm 75 = 75 μm 100 = 100 μm 150 = 150 μm	975 = 9.75"(248mm) 987 = 9.87"(250mm) 10 = 10"(254mm) 20 = 20"(508mm) 30 = 30"(762mm) 40 = 40"(1016mm) 50 = 50"(1270mm) 60 = 60"(1524mm)
Seal Material	Core	Surface	
S = Silicone E = EPDM B = NBR V = Viton	Blank = No Core C = PP Core	S = Smooth O = Orange M = Mini groove	Blank = DOE without Gasket DOE = DOE with Gasket 1 = 226/Flat 2 = 222/Flat 3 = 226/Fin 4 = 222/Fin

PP Melt Blown Filter Element with Deep Groove for 3M Replacement

This new type of deep grooved surface greatly extend the filtration surface area, leading to higher flow rate and lower pressure drop.

APPLICATIONS

- Drinking water treatment
- Electronic
- RO security filtration
- Plating
- Chemicals, solvents
- Food and beverage

BENEFITS

- 47% more surface area with deep groove
- Up to 30% longer lifetime
- 50% more efficient
- FDA CFR-21 compliance material
- All kinds of end caps are available.

Outside Diameter

63mm , 115mm or customized diameter

Inside Diameter

28mm , 30mm

Filter Media and End Caps

Polypropylene(PP)

Core

Polypropylene (PP)


CONFIGURATIONS
Removal Rating (μm)

1 3 5 10 20 25

Length (")

9.75 9.87 10 20 30 40

Gaskets/O-ring

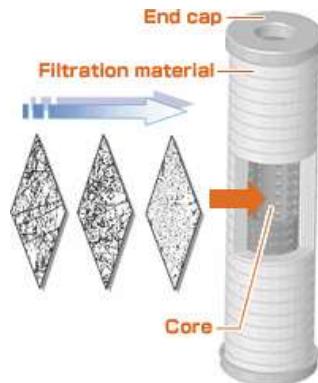
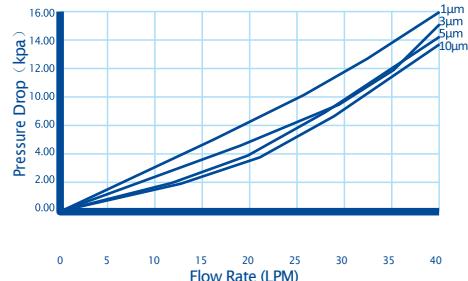
 S = Silicone E = EPDM B = NBR
 V = Viton

Max Operating Temperature

80°C

Maximum Operation Differential Pressure

2.0 Bar / 21°C

Pressure Drop vs. Flow Rate@20°C

ORDERING CODE

Example : PPDG-5-10-2-S-C

Outer Diameter	Removal Rating	Length	End Cap Type
PPDG	Blank = 2.5" (63mm) BB = 4.5" (115mm)	975 = 9.75"(248mm) 987 = 9.87"(250mm) 10 = 10"(254mm) 20 = 20"(508mm) 30 = 30"(762mm) 40 = 40"(1016mm)	Blank = DOE without Gasket DOE = DOE with Gasket 1 = 226/Flat 2 = 222/Flat 3 = 226/Fin 4 = 222/Fin
Seal Material	Core		
S = Silicone E = EPDM B = NBR V = Viton	Blank = No Core C = PP Core		



Wrapped Melt Blown Filter Element for ABSfil Replacement

WP filter cartridges are constructed of conjugated fiber. The conjugated fiber is thermally bonded because of the difference in melt temperature between two components. Accordingly, the stability and uniformity of filter pores are better than flat filters

APPLICATIONS

- Electronics: IC& LCD cleaning water, PCB, plating solutions etc
- Water treatment: washing water, prefiltration for pure water
- Chemical processing fluids: coatings/printing inks, resin, adhesives, solvents, surfactants etc
- Pharmaceuticals dialyzer, health care, beverages, cosmetics etc
- Food& Beverage: beer, soft drinks, edible oil, brewery, soya sauce etc

Outside Diameter
63mm

Removal Rating (μm)

1 3 5 10 20 25

Inside Diameter
30mm

Length (")

10 20 30 40

Filter Media

Conjugated Fiber (PP+PE)

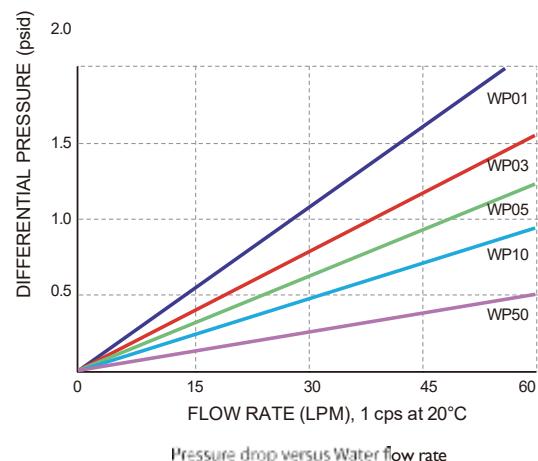
Max Operating Temperature
80°C

Maximum Operation Differential Pressure

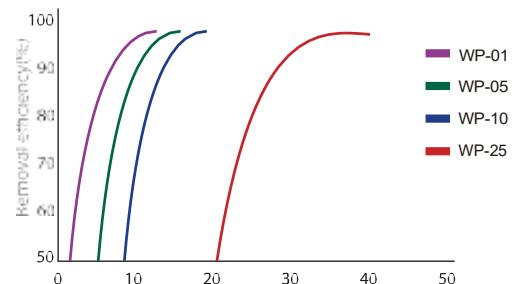
70psi (4.8bar) @ 25°C

BENEFITS

- Long service life
- High flow rate
- Free of media migration
- Withstand high differential pressure
- Stable pore size
- Excellent chemical compatibility



Particle Removal Efficiency



ORDERING CODE

Example : WMBF-5-10

	Removal Rating	Length
WMBF	1 = 1 μm 3 = 3 μm 5 = 5 μm 10 = 10 μm 20 = 20 μm 50 = 50 μm	10 = 10" (254mm) 20 = 20" (508mm) 30 = 30" (762mm) 40 = 40" (1016mm)



Blue PP Melt Blown Filter Element with Antibacterial Function

This improved antibacterial melt blown filter element guarantees the safety of drinking water by preventing the growth of bacteria.

APPLICATIONS

- Food and beverage
- Bottled water process
- Household water dispenser, water purification system
- Commercial water purification system, drinking water system

BENEFITS

- Graded density structure for maximum dirt holding capability
- Additive silver ion antibacterial ingredient to ensure drinking safety
- FDA CFR-21 compliance material

Outside Diameter

63mm, 115mm or customized diameter

Inside Diameter

28mm, 30mm

Filter media

PP fiber with antibacterial ingredient

Max Operating Temperature

80°C

Maximum Operation Differential Pressure

2.5 Bar / 21°C

Efficiency

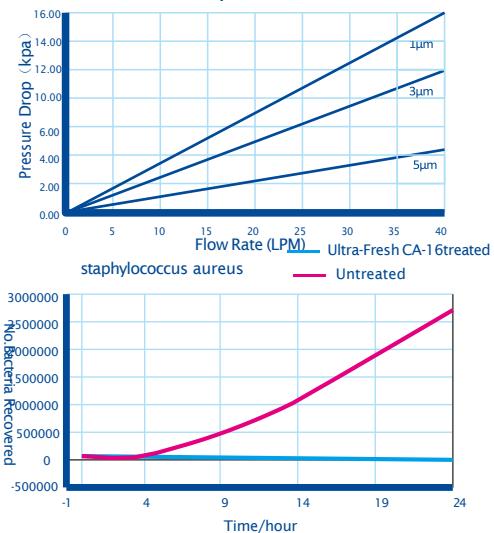
>90%


CONFIGURATIONS
Removal Rating (μm)

1	3	5	10	20	25	50	75	100
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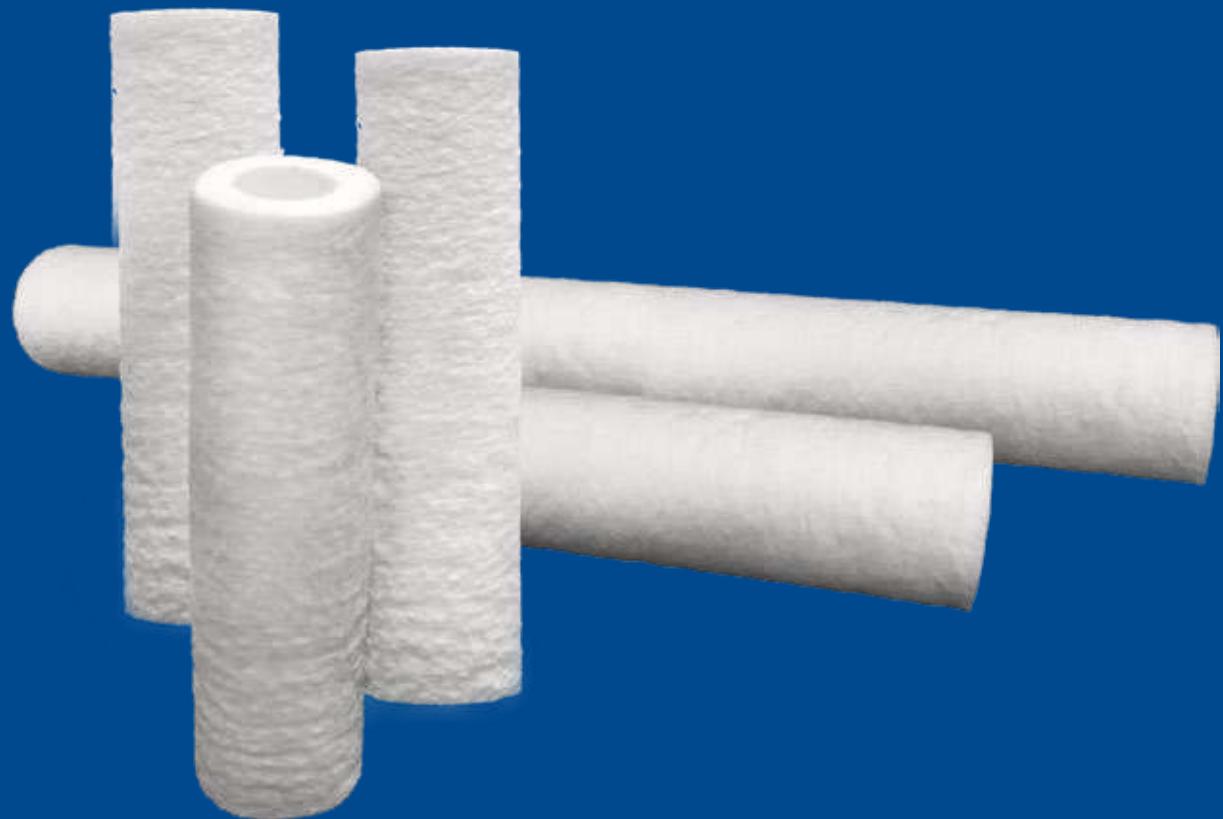
Length (")

9.75	9.87	10	20	30	40
------	------	----	----	----	----

Pressure Drop vs. Flow Rate@20°C

ORDERING CODE

Example : BMBF-5-10

Outer Diameter	Removal Rating	Length	
BMBF	Blank = 2.5" (63mm) BB = 4.5" (115mm)	1 = 1μm 3 = 3μm 5 = 5μm 10 = 10μm 25 = 25μm 50 = 50μm 75 = 75μm 100 = 100μm	975 = 9.75"(248mm) 987 = 9.87"(250mm) 10 = 10"(254mm) 20 = 20"(508mm) 30 = 30"(762mm) 40 = 40"(1016mm)



Nylon Melt Blown Filter Element

Nylon Melt Blown Depth Filter Element is suitable for high temperature application. The strength of the filter can be improved by adding cores.

BENEFITS

- High temperature resistance up to 120°C
- Especially to solvents, hydrocarbons and aromatics
- FDA CFR-21 compliance material

APPLICATIONS

- Food and beverages
- Petrochemical
- Cosmetic
- Pharmaceutical
- Resin coating
- Fine chemical

Outside Diameter

63mm

Inside Diameter

28mm

Filter Media

Nylon

Core

Polypropylene (PP) , Glass Fiber , Nylon


CONFIGURATIONS
Removal Rating (μm)

1	3	5	10	20	25
75	100				

Length (")

9.75	9.87	10	20	30	40
------	------	----	----	----	----

Gaskets/O-ring

S = Silicone	E = EPDM	B = NBR
V = Viton		

Max Operating Temperature

120°C

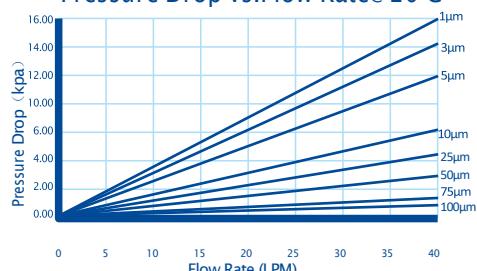
Maximum Operation Differential Pressure

1-25μm,2.5Bar at 21°C

50-100μm,1Bar at 21°C without core

Efficiency

>90%

Pressure Drop vs.Flow Rate@20°C

ORDERING CODE

Example : NYMBF-5-10-2-E-P

	Removal Rating	Length	End Cap Type	Seal Material	Core
NYMBF	1 = 1μm 3 = 3μm 5 = 5μm 10 = 10μm 25 = 25μm 50 = 50μm 75 = 75μm 100 = 100μm	975 = 9.75"(248mm) 987 = 9.87"(250mm) 10 = 10"(254mm) 20 = 20"(508mm) 30 = 30"(762mm) 40 = 40"(1016mm)	Blank = DOE without Gasket DOE = DOE with Gasket 1 = 226/Flat 2 = 222/Flat 3 = 226/Fin 4 = 222/Fin	S = Silicone E = EPDM B = NBR V = Viton	Blank = No Core P = Glass Fiber Filled PP Core N = Nylon Core



String Wound Filter Element

String wound filter element consists of loose outer layers and tight inner layers which offer true depth filtration for high dirt holding capacity .This filter element can withstand higher PSID and severe operating conditions due to high structural strength.

BENEFITS

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

APPLICATIONS

- Drinking water treatment
- Food & beverage
- Semiconductor
- Pharmaceuticals
- RO security filtration

Outside Diameter

63mm, 115mm

Inside Diameter

28mm, 30mm

Filter Media

Polyethylene, Bleached Cotton, Glass Fiber

Core

PP, Stainless Steel


CONFIGURATIONS
Removal Rating (μm)

1	3	5	10	20	25
75	100				

Length (")

9.75	9.87	10	20	30	40	50
------	------	----	----	----	----	----

Gaskets/O-ring

S = Silicone	E = EPDM	B = NBR
V = Viton		

Max Operating Temperature

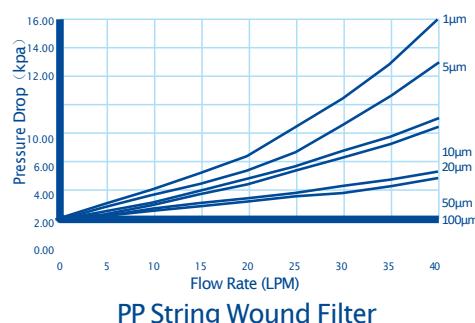
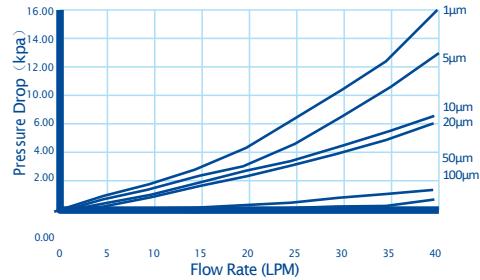
PP : 80°C

Bleached Cotton : 120°C

Glass Fiber: 200°C

Maximum Operation Differential Pressure

2.5 Bar @ 25°C

Pressure Drop vs. Flow Rate@20°C

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

Cotton String Wound Filter
ORDERING CODE

Example : SW-5-10-PP-1-S

Outer Diameter		Removal Rating	Length	Material
SW	Blank = 2.5" (63mm) BB = 4.5" (115mm)	1 = 1μm 3 = 3μm 5 = 5μm 10 = 10μm 25 = 25μm 50 = 50μm 75 = 75μm 100 = 100μm	975 = 9.75"(248mm) 987 = 9.87"(250mm) 10 = 10"(254mm) 20 = 20"(508mm) 30 = 30"(762mm) 40 = 40"(1016mm) 50 = 50"(1270mm)	PP = PP yarn and PP core CS = Cotton yarn and SS core CP = Cotton Yarn and PP core GS = Glass fiber and SS core
End Cap Type		Seal Material		
Blank = DOE without Gasket DOE = DOE with Gasket 1 = 226/Flat 2 = 222/Flat 3 = 226/Fin 4 = 222/Fin 5 = Self Seal Spring		S = Silicone E = EPDM B = NBR V = Viton		



Pleated Filter Element

Standard pleated filter cartridges are made of pleated polyester filter media, which is characterized by low pressure drop, increased surface area and long service life.

BENEFITS

- 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

APPLICATIONS

- General water and R.O treatment
- Food and beverage
- Acid-base liquid in chemical processing
- Industrial chemicals and organic solvents

Outside Diameter

63mm, 115mm

Inside Diameter

28mm

Filter Media

Polyester, PP

Core

PP, Stainless Steel

End Caps

PU/Plastisol


CONFIGURATIONS
Removal Rating (μm)

1 5 10 20 50

Length (")

9.75 9.87 10 20 30 40 50

Max Operating Temperature

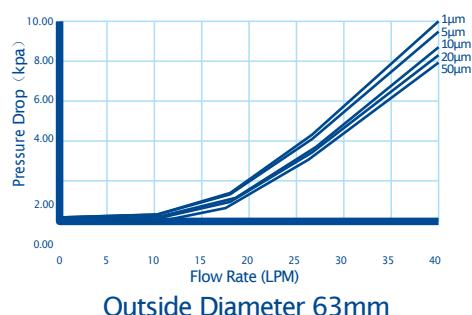
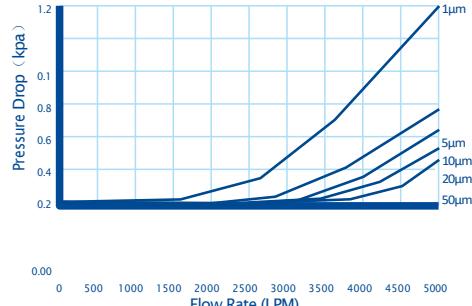
37.8°C

Maximum Operation Differential Pressure

4.0 Bar

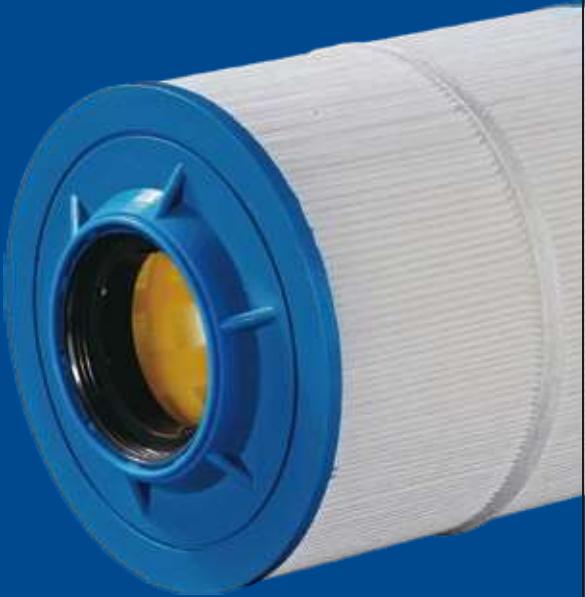
Flow rate per 10" cartridge

3-10 GPM, depend on removal rating

Pressure Drop vs. Flow Rate@20°C

Outside Diameter 63mm
Pressure Drop vs. Flow Rate@20°C

Outside Diameter 115mm
ORDERING CODE

Example : PFS-5-10-PET

	Outer Diameter	Removal Rating	Length	Media
PFS	S = 68mm BB = 115mm	1 = 1 μm 5 = 5 μm 10 = 10 μm 20 = 20 μm 50 = 50 μm	975 = 9.75"(248mm) 987 = 9.87"(250mm) 10 = 10"(254mm) 20 = 20"(508mm) 30 = 30"(762mm) 40 = 40"(1016mm) 50 = 50"(1270mm)	PET = Polyester PP = PP



Pleated Filter Element for Harmsco Replacement

Harmsco Replace Pleated Filter Element is made of pleated polyester filter media, which is characterized by low pressure drop, increased surface area and long service life.

BENEFITS

- 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
- General water treatment
- RO security filtration

Outside Diameter

7-3/4"

Filter Media

Polyester, PP

End Caps

PU/Plastisol


SPECIFICATION
Max Operating Temperature

60°C

Maximum pressure

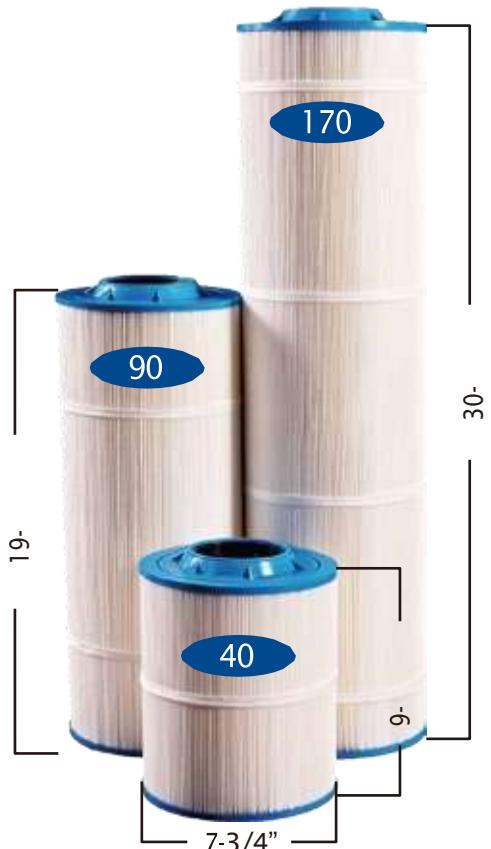
40PSID


CONFIGURATIONS
Removal Rating (μm)

1	3	5	10	25	50
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Length (")

9-5/8"	19-1/2"	30-3/4"
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Premium High Flow Polyester Cartridges

ORDERING CODE

Example : PFH-5-40-PET

PFH	Removal Rating	Length	Media
-	1 = 1μm 3 = 3μm 5 = 5μm 10 = 10μm 25 = 25μm 50 = 50μm	40 = 9-5/8"(245mm) 90 = 19-1/2"(495mm) 170 = 30-3/4"(781mm)	PET = Polyester PP = PP



Chlorine Reduction Activated Carbon Filter Cartridge

Chlorine Reduction Carbon Filter Element is extruded by carbon fines or carbon or carbon powder with food-grade additives, also with NSF approved gaskets to ensure the whole process of using is safe and effective. Besides holding up particle impurities, getting rid of smells, this cartridge can also safety and efficiency of the filtration process. reduce chlorine and chloramine, heavy metal in water effectively. This will improve the safety of drinking water and industrial.

BENEFITS

- Good adsorption capacity
- Remove efficiently the chlorine, small particals, organics
- Low pressure drop, steady flow
- No carbon fine releasing

APPLICATIONS

- Drinking water treatment
- Food and beverage
- Chemical and plating

Outside Diameter

65mm,70mm,115mm

Filter Media

 Acid Washed Coal Based GAC
 Coconut Carbon

Netting

Polyethylene

End Caps

Polyethylene


CONFIGURATIONS
Removal Rating (μm)

0.5 1 5 10

Length (")

9.75 9.87 10 20 30 40

Seal Material

S = Silicone E = EPDM B = NBR

Max Operating Temperature

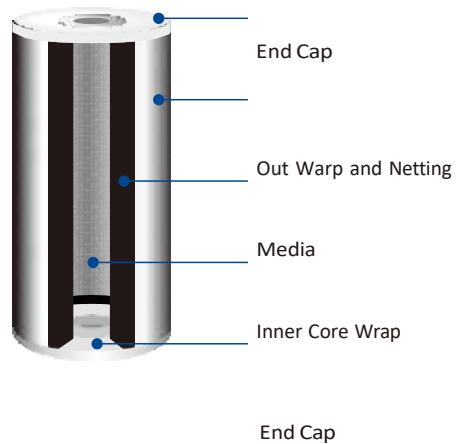
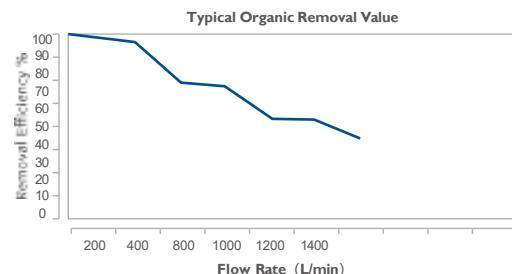
52°C

Maximum Differential Pressure

7 Bar @ 20°C

Maximum Operating Pressure

10Bar



End Cap

ORDERING CODE

Example : ACFC-A-5-987-A

	End Cap Diameter	Removal Rating	Length	Media Type
ACFC	A = ID:28mm,OD:70mm B = ID:30mm,OD:65mm C = ID:28mm,OD:115mm	0.5 = 0.5 μm 1 = 1 μm 5 = 5 μm 10 = 10 μm	975 = 9.75"(248mm) 978 = 9.87"(250mm) 10 = 10"(254mm) 20 = 20"(508mm) 30 = 30"(762mm) 40 = 40"(1016mm)	A = Acid Washed Coal Based GAC B = Coconut Carbon



Carbon Cellulose Filter Cartridge

The carbon cellulose filter elements combine depth filtration and the adsorption of activated carbon fine. The outside deep fiber media can remove particles, and the activated carbon in filter cloth can adsorb the odor, sediment, pigment, VOC, and organic chemicals. The inside fiber filter can prevent carbon particles and fine pollutants from passing through, insuring the efficient quality and integrated filtration.

APPLICATIONS

- Drinking water treatment
- Food and beverages
- Chemical and plating
- Chemical

BENEFITS

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



Outside Diameter

58mm, 115mm

Outside Diameter

28mm

Removal Rating (μm)

10

Max Operating Temperature

60°C

Maximum Differential Pressure

7 Bar @ 20°C

Filter Media

Carbon Impregnated Cellulose

9.75 9.87 10 20

Maximum Operating Pressure

10Bar

Netting

Polyethylene

End caps and Center Core

Polyethylene

ORDERING CODE

Example : CCFC-BB-10-10

	Outside Diameter	Removal Rating	Length
CCFC	Blank = 2.28"(58mm) BB = 4.5"(115mm)	10 = 10 μm	975 = 9.75"(248mm) 978 = 9.87"(250mm) 10 = 10"(254mm) 20 = 20"(508mm)



Titanium Powder Sintered Filter Cartridge

Titanium Filter Cartridge is designed for applications involving extreme operation conditions and aggressive fluids and gases. The rugged, fixed pore structure is constructed from sintered titanium powder. This filter can withstand heat, high pressure and repeated cleaning and backwash cycles. Mechanical strength and corrosion resistance are the advantages of a seamless design.

APPLICATIONS

- Steam filtration;
- Prefiltration and decarbonization of high viscosity liquid filtration;
- Removing impurities of liquids in petrochemical industry;
- Aggressive solvents filtration;
- Highly corrosive liquid and gas purification;
- Liquids or gases filtration at high temperature and pressure;

BENEFITS

- Extremely robust construction, high mechanical strength;
- Ideal for aggressive solvents, viscous and hot solutions;
- Backwashable and cleaned by chemical solvent, hot water, steam, long service life;
- Removal rating from 1.0 to 100 microns;



MATERIALS OF CONSTRUCTION

Outside Diameter

60mm/80mm

Filter Media

Titanium Powder Sintered

Inner Core

Stainless steel

Cage,End Cap

Stainless steel

Seal Method

TIG welding



CONFIGURATIONS

Removal Rating (μm)

1 3 5 10 20 50 100

Length (Base on DOE)

10 20 30 40

O-rings/Gaskets

S = Silicone	E = EPDM	B = NBR
V = Viton	F = E-FKM	



SPECIFICATION

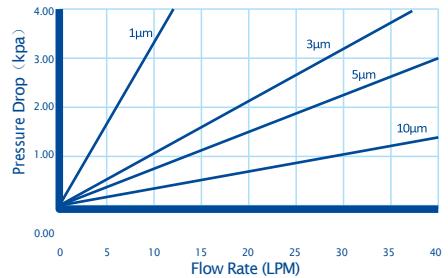
Max Operating Temperature

Up to 300°C (572 F)

Porosity

35% - 45%

water flow rate @ 25 °C (77°F)



ORDERING CODE

Example : TPS-3-10-2T-B

	Micron	Length	End Cap	Seal Material
TPS	1 = 1μm 3 = 3μm 5 = 5μm 10 = 10μm 20 = 20μm 50 = 50μm 100 = 100μm	10 = 10" 20 = 20" 30 = 30" 40 = 40"	D = DOE 3F = 213/Flat 2T = 222/Flat 2N = 222/fin 6T = 226/Flat 6N = 226/Fin	S = Silicone B = Buna-N E = EPDM V = Viton F = E-FKM



Stainless Steel Filter Cartridge

Stainless Steel Filter Cartridge is designed for applications involving extreme operation conditions and aggressive fluids and gases. The rugged, fixed pore structure is constructed from stainless steel. This filter element can withstand heat, high pressure and repeated cleaning and backwash cycles. Mechanical strength and corrosion resistance are the advantages of a seamless design.

APPLICATIONS

- Steam filtration
- Prefiltration and decarbonization of high viscosity liquid filtration
- Removing impurities of liquids in petrochemical industry
- Aggressive solvents filtration
- Highly corrosive liquid and gas purification
- Liquids or gases filtration in high temperature and pressure

BENEFITS

- Extremely robust construction, high mechanical strength
- Ideal for aggressive solvents, viscous and hot solutions
- Backwashable and cleaned by chemical solvent, hot water, steam, long service life
- Removal rating from 1.0 to 100 microns



MATERIALS OF CONSTRUCTION

Outside Diameter

60mm/80mm

Filter Media

SUS304, SUS306, SUS306L, SUS316

Inner Core

Stainless steel

Cage, End Cap

Stainless steel

Seal Method

TIG welding



CONFIGURATIONS

Removal Rating (μm)

1 3 5 10 20 50 100

Length (Base on DOE)

10 20 30 40

O-rings/Gaskets

S = Silicone	E = EPDM	B = NBR
V = Viton	F = E-FKM	



SPECIFICATION

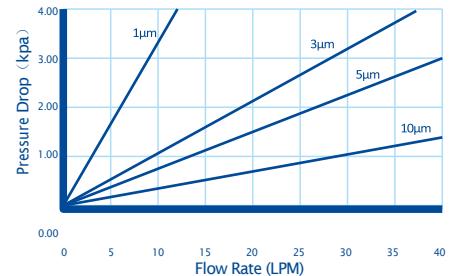
Max Operating Temperature

Up to 300°C (572 F)

Porosity

35% - 45%

water flow rate @ 25 °C (77°F)



ORDERING CODE

Example : SSFC-04-3-20-D-B

	Media	Micron	Length	End Cap	O-Ring/Gasket
SSFC	04 = SUS304 06 = SUS306 06L = SUS306L 16 = SUS316	1 = 1μm 3 = 3μm 5 = 5μm 10 = 10μm 20 = 20μm 50 = 50μm 100 = 100μm	10 = 10" 20 = 20" 30 = 30" 40 = 40"	D = DOE 3F = 213/Flat 2T = 222/Flat 2N = 222/fin 6T = 226/Flat 6N = 226/Fin M1 = 3/4" Male NPT threads M2 = " Male NPT threads	S = Silicone B = Buna-N E = EPDM V = Viton F = E-FKM



ROKI Replacement capsule filter 29

Capsule filter 29 is equivalent with ROKI capsule filter. No need to clean the filter housing after replacing, which greatly reduces the cost of cleaning and waste water treatment, also avoids contacting with feed liquid directly, particularly suitable for toxic and harmful liquid filtration.

BENEFITS

- Safe and friendly design
- Low material wastage compact structure design
- Easy installation and operation

MATERIALS OF CONSTRUCTION

Media
PP

Cage/Connection

PP

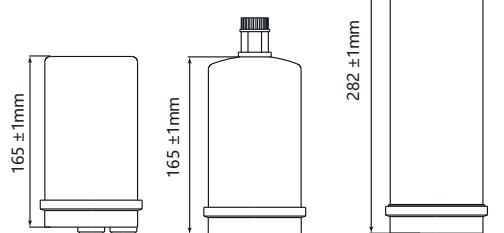
SPECIFICATION

Max Operating Temperature
60°C

Max Operating DP
4 Bar @ 21°C

APPLICATIONS

- Pharmaceuticals
- Chemical
- Microelectronics
- Paints & Coatings



29-N

29-S

29-L

29-X

ORDERING CODE

Example : 29S-50-E

	Removal Rating	Seal Material
29N	50 = 50µm	E = EPDM
29S	75 = 75µm	V = Viton
29L	100 = 100µm	F = E-FKM
29X	150 = 150µm	



Capsule Filter

This disposable filter is suitable for small flowrate. The housing is thermal welded. Different connection are available. The capsule filters are manufactured in the clean room to ensure the clearness.

APPLICATIONS

- Pharmaceuticals
- Food and beverage
- Chemical
- Microelectronics
- Cosmetics
- Ink

BENEFITS

- Many kinds of filter media and removal rating.
- Made in the clean environment.
- Absolutely bio-safety and non-toxic.

Filter Media
Removal Rating (μm)

PP, PES, PTFE, Nylon66, Glass Fiber

Housing

Polyethylene

Support

Polyethylene

Sealing

Thermally Welded

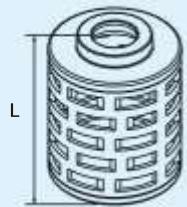
PP	0.1	0.22	0.45	0.5	1	3	5	10	20	30	50
PES	0.1	0.22	0.45	0.65	0.8	1.2					
PTFE (Liquid)	0.01	0.22	0.45								
PTFE (Gas)	0.01	0.02									
Nylon66	0.1	0.22	0.45	0.65	1						
Glass Fiber	0.45	1	3	5	10	20					

ORDERING CODE

Example : MH801-PP-5

CODE								Media
MH801 MH807 MH813 MH819 MH825 MH831 MH837 MH843								PP = polypropylene
MH802 MH808 MH814 MH820 MH826 MH832 MH838 MH844								PES = Polyethersulfone
MH803 MH809 MH815 MH821 MH827 MH833 MH839 MH845								PTFE = Polytetrauoroethylene
MH804 MH810 MH816 MH822 MH828 MH834 MH840								N66 = Nylon 66
MH805 MH811 MH817 MH823 MH829 MH835 MH841								GF = Glass Fiber
MH806 MH812 MH818 MH824 MH830 MH836 MH842								
Micron Rating								
PP	PES	PTFE(Liquid)	PTFE(Gas)	Nylon66	Glass Fiber			
0.1 = 0.1μm	0.1 = 0.1μm	0.1 = 0.1μm	0.1 = 0.1μm	0.1 = 0.1μm	0.45 = 0.45μm			
0.22 = 0.22μm	0.22 = 0.22μm	0.22 = 0.22μm	0.02 = 0.02μm	0.22 = 0.22μm	1 = 1μm			
0.45 = 0.45μm	0.45 = 0.45μm	0.45 = 0.45μm		0.45 = 0.45μm	3 = 3μm			
1 = 1μm	0.65 = 0.65μm			0.65 = 0.65μm	5 = 5μm			
3 = 3μm	0.8 = 0.8μm			1 = 1μm	10 = 10μm			
5 = 5μm	1.2 = 1.2μm				20 = 20μm			
10 = 10μm								
20 = 20μm								
30 = 30μm								
50 = 50μm								

MH80A



Outside Diameter : 56mm
Fittings : Internal Seal- AS116
Length (L) Available in (mm)

32 63 68 94 124

MH80B



Outside Diameter : 56mm
Fittings : Internal Seal- AS116 with locking groove
Length (L) Available in (mm)

32 63 68 94 124

MH80C



Outside Diameter : 56mm
Fittings : Internal Seal- AS116 with locking groove, with SS ring
Length (L) Available in (mm)

32 63 68 94 124

MH80D



Outside Diameter : 56mm
Fittings : Internal Seal- AS116
Length (L) Available in (mm)

32 63 68 94 124

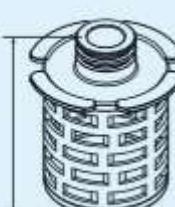
MH80E



Outside Diameter : 56mm
Fittings : Internal Seal- AS118 (PALL replacement)
Length (L) Available in (mm)

32 63 68 94 124

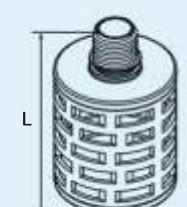
MH80F



Outside Diameter : 56mm
Fittings : Internal Seal- AS118 (Sartorius Replacement)
Length (L) Available in (mm)

32 63 68 94 124

MH80G



Outside Diameter : 56mm
Fittings : 1/2" NPT Threaded
Length (L) Available in (mm)

32 63 68 94 124

MH80H



Outside Diameter : 56mm
Fittings : External Seal AS126
Length (L) Available in (mm)

32 63 68 94 124

MH80I



Outside Diameter : 56mm
Fittings : External Seal AS126
Length (L) Available in (mm)

32 63 68 94 124

Outside Diameter : 56mm
Fittings : 1" TC
Length (L) Available in (mm)

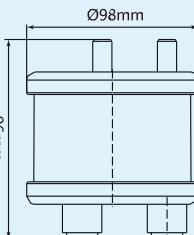
32 63 68 94 124

MH80K

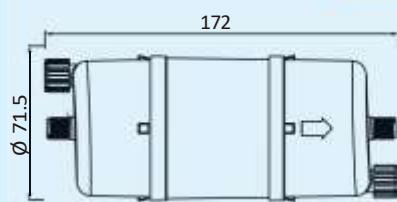
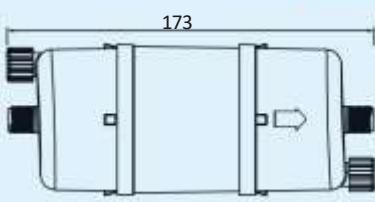
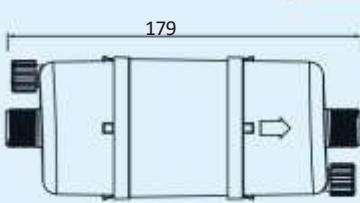
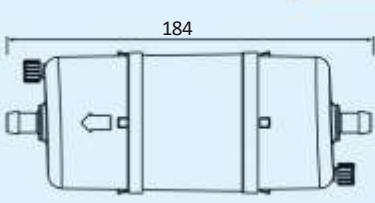
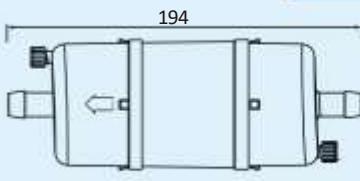
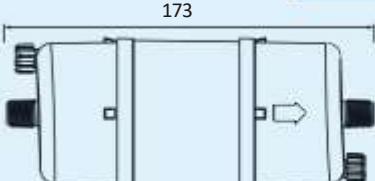
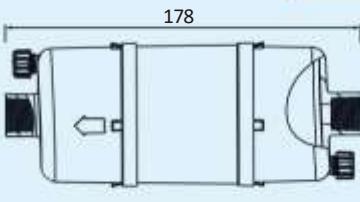
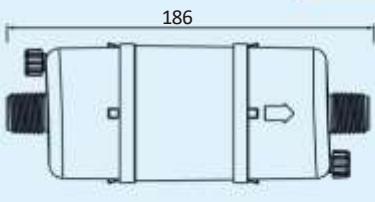
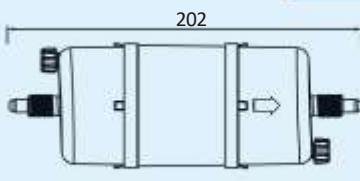
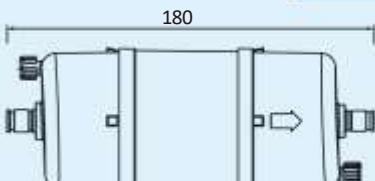
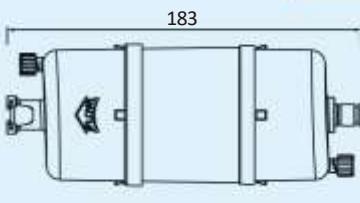
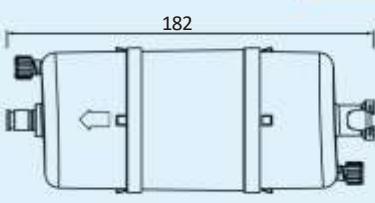


Outside Diameter : 56mm
Fittings : 80mm Skirting
Length (L) Available in (mm)

32 63 68 94 124



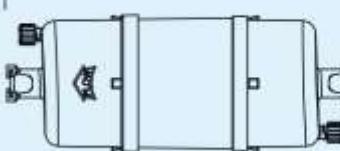
IN/OUT:1"-14
 Vent/Drain:1/4" NPT

MH801**MH802****MH803****MH804****MH805****MH806****MH807****MH808****MH809****MH810****MH811****MH812**

1/8" LUER- V/D

MH813

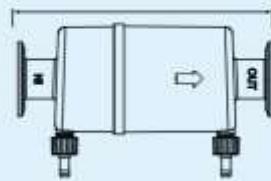
184



1/4" CPC-M IN
1/4" CPC-F OUT
1/8" LUER- V/D

MH814

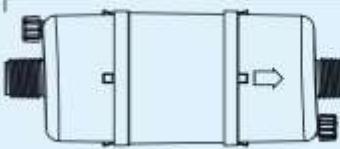
173



1" TC-M IN/OUT
1/4" HB- V/D

MH815

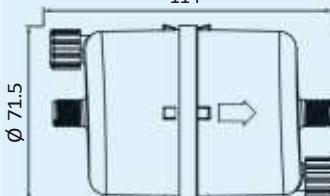
183



3/8" NPT IN/OUT
1/8" NPT- V/D

MH702

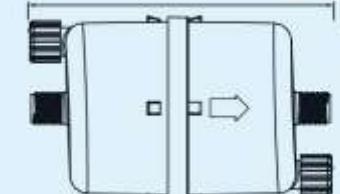
114



1/4" SWG IN/OUT
1/4" SWG V/D

MH816

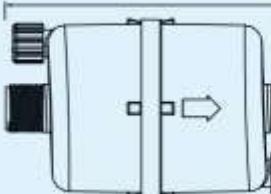
117



5/16" SWG IN/OUT
1/4" SWG V/D

MH817

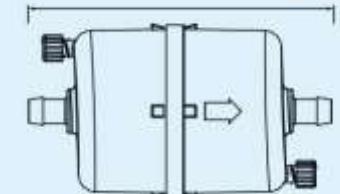
122



1/2" SWG IN/OUT
1/4" SWG V/D

MH818

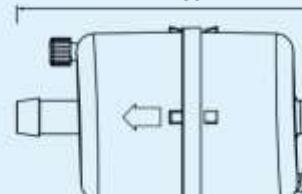
125



3/8" HB IN/OUT
1/4" LUER V/D

MH819

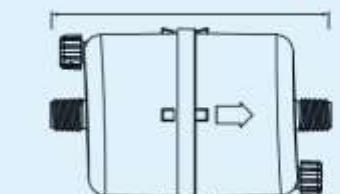
136



1/2" HB IN/OUT
1/4" LUER V/D

MH820

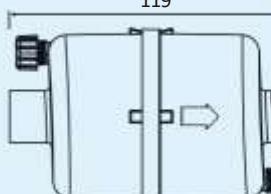
116



1/4" NPT IN/OUT
1/8" NPT V/D

MH821

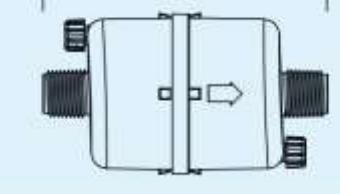
119



3/8" NPTF IN/OUT
1/8" NPT- V/D

MH822

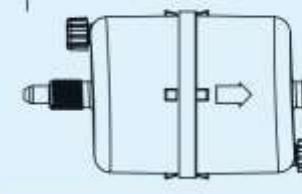
127



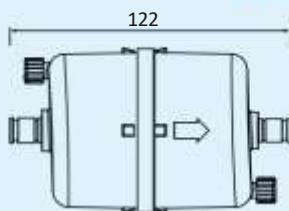
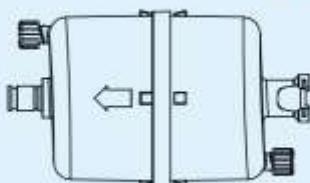
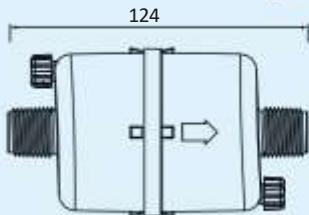
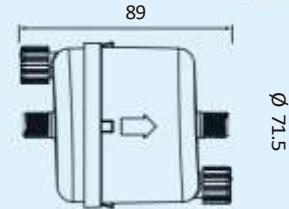
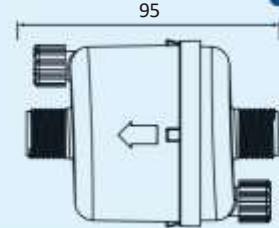
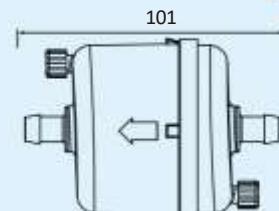
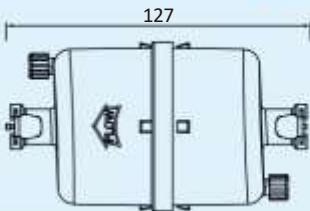
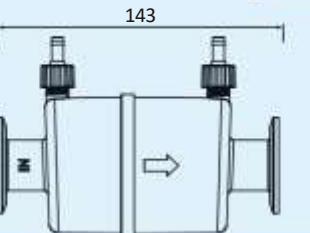
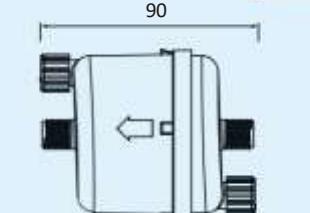
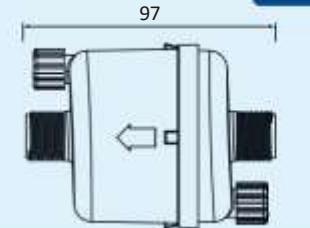
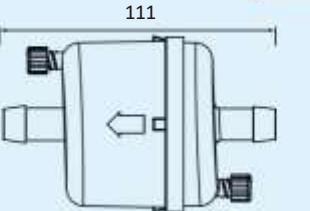
1/2" NPT IN/OUT
1/8" NPT- V/D

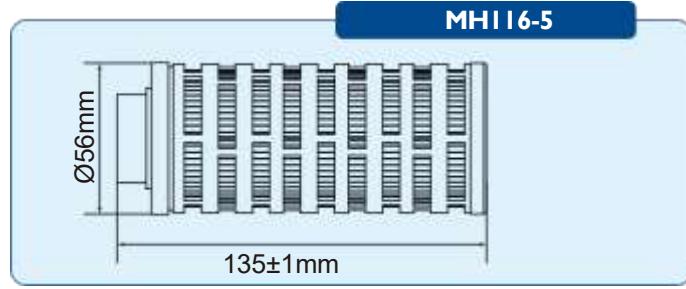
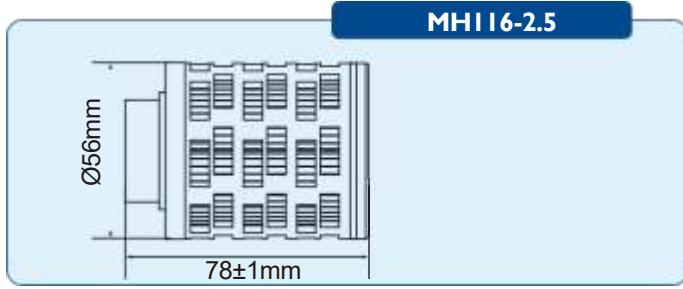
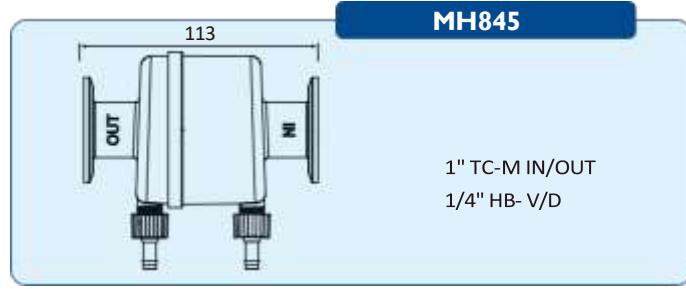
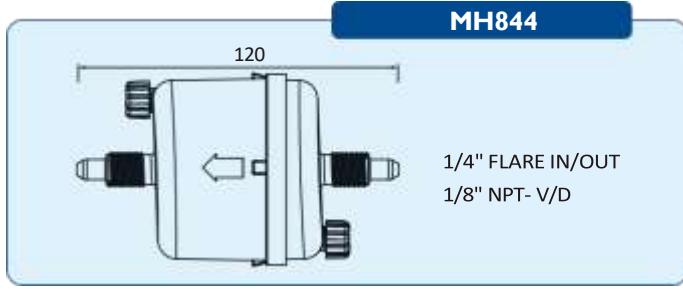
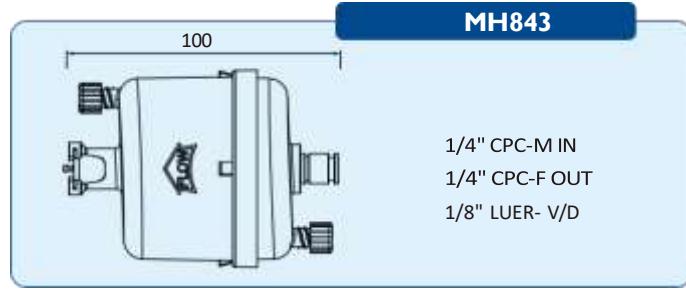
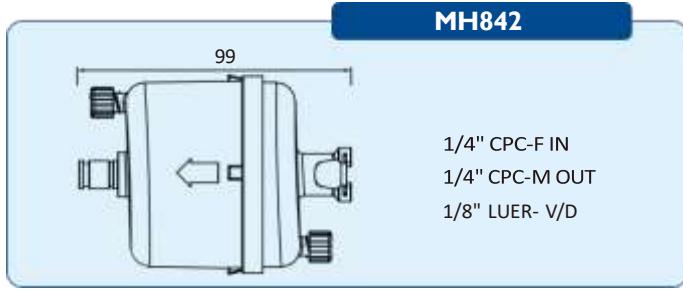
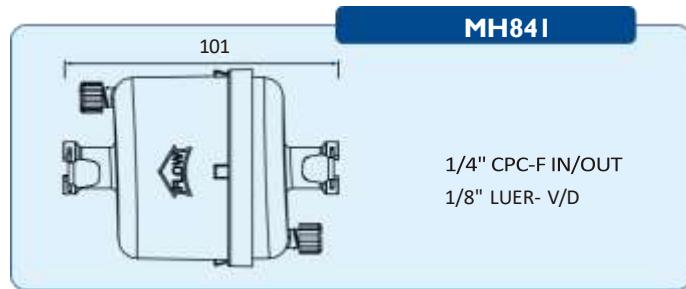
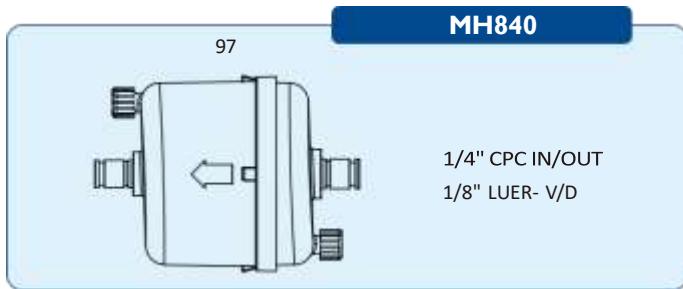
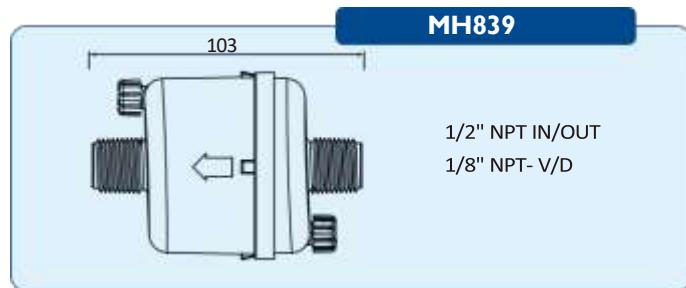
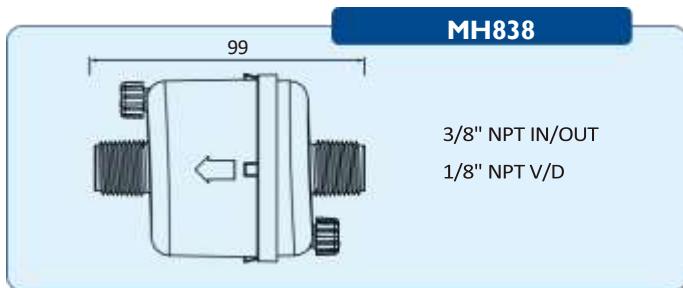
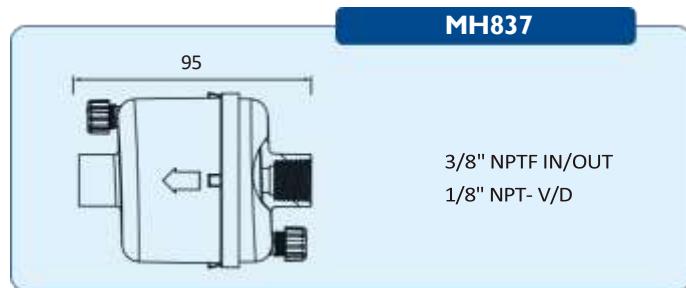
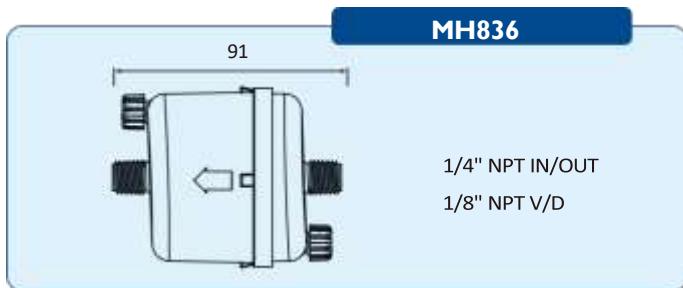
MH823

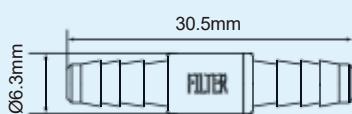
145



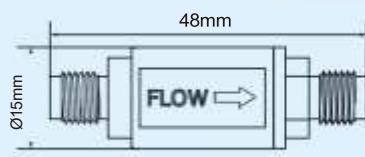
1/4" FLARE IN/OUT
1/8" NPT- V/D

MH824**MH826****MH828****MH830****MH832****MH834****MH825****MH827****MH829****MH831****MH833****MH835**

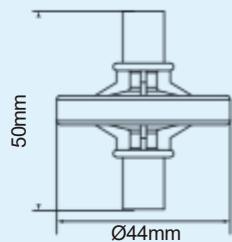


MH128

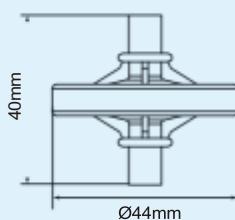
In/Out:1/4" Hose Barb
Vent/Drain:N/A

MH136

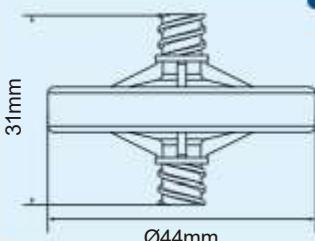
In/Out:1/8"Swagelok

MH414

In/Out:1/4" Swagelok

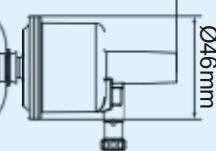
MH415

In/Out:1/8" Swagelok

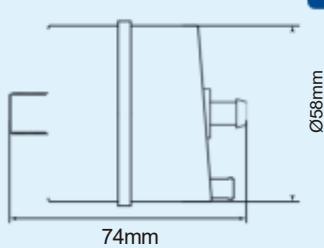
MH416

In/Out:Luer Lock

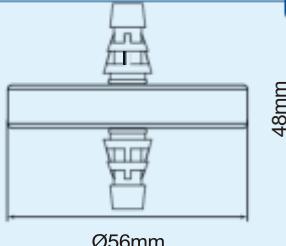
118mm

**MH418**

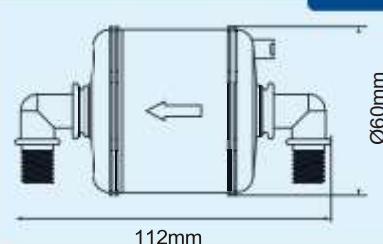
In:1/4" NPT Male
Out: 3/8" Hose Barb Out

MH505

Out:1/4" NPTM
In:Hose Barb
Vent/Drain:Luer Lock

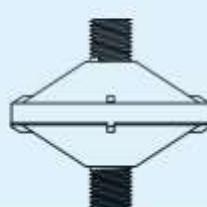
MH517

In/Out:1/4"-3/8"Hose Barb

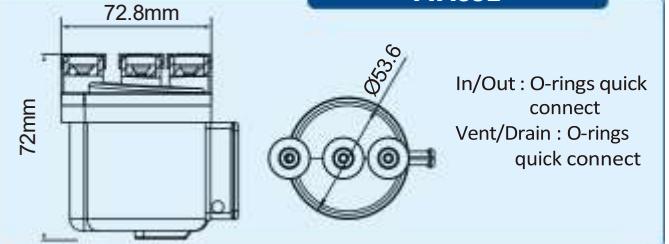
MH519

Vent/Drain: Luer Lock
In/Out: 1/4"Swagelok

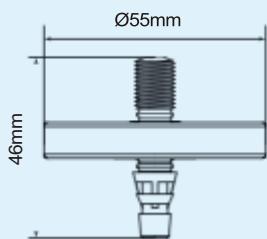
Ø53mm

**MH523**

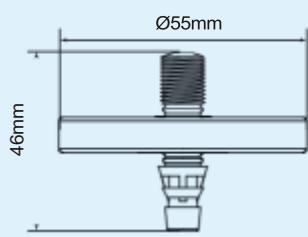
In/Out: 1/4"Swagelok

MH532

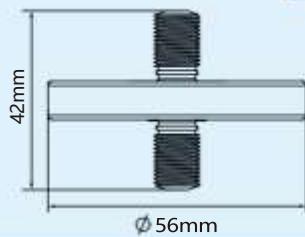
In/Out : O-rings quick
connect
Vent/Drain : O-rings
quick connect

**MH553**

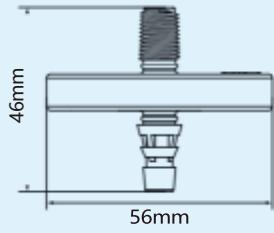
In:M10X1
Out:1/4"-3/8"Hose Barb

MH554

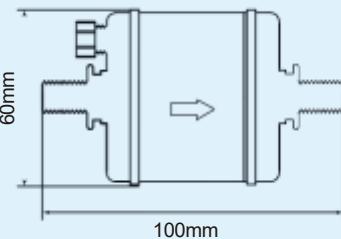
In:M10X1.5
Out:3/8"Hose Barb

MH555

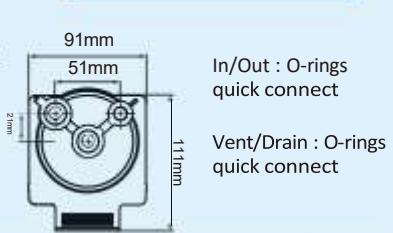
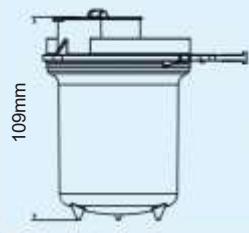
In:M10X1.5
Out:M10X1.5

MH558

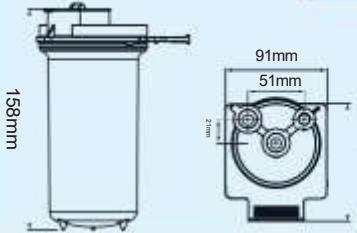
In:1/8"NPT Male
Out:1/4"Hose Barb

MH601

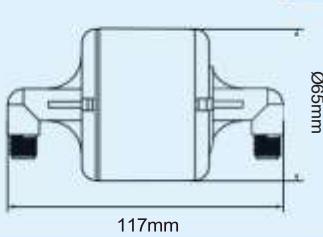
In/Out:1/4"Swagelok
1/8"NPT Male

MH620

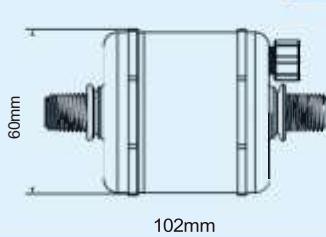
In/Out : O-rings
quick connect
Vent/Drain : O-rings
quick connect

MH621

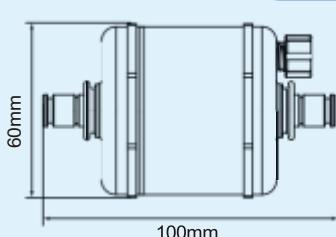
In/Out:O-rings
quick connect
Vent/Drain:O-rings
quick connect

MH624

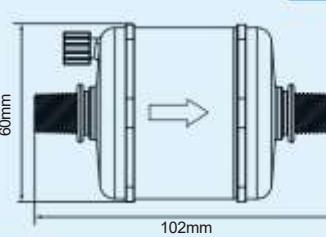
In/Out: 1/4" Swagelok
Vent/Drain:N/A

MH656

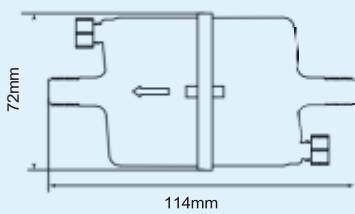
In/Out:1/4"NPT
Vent/Drain:1/8"NPT

MH657

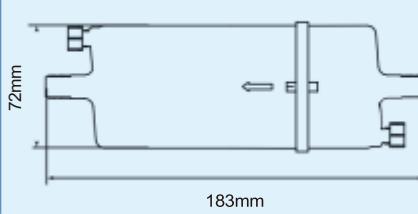
In/Out:1/4"CPC
Vent/Drain:1/4"CPC

MH662

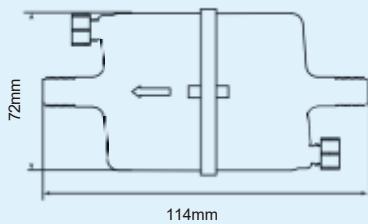
In\Out:1/4 NPT Male
Vent\Drain:Luer Lock Feralte

MH702

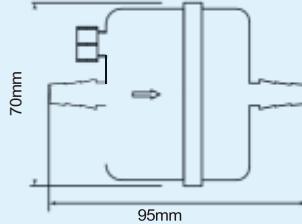
In/Out:1/4"Swagelok
Vent\Drain:1/4"Swagelok

MH703

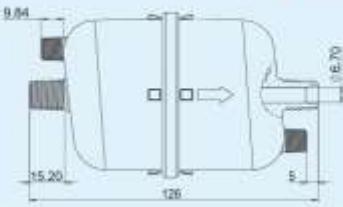
In\Out:3/8"Swagelok
Vent\Drain:1/4"Swagelok

MH704

In\Out:1/4" Swagelok
Vent\Drain:1/8" Swagelok

MH707

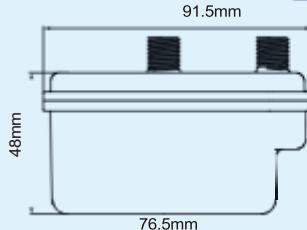
In\Out:1/4"Stepped Hose Barb
Vent\Drain:1/4"Swagelok

MH709-C1

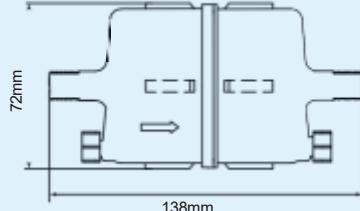
In\Out: 1/4" NPT Male
Vent\Drain: 1/8" NPTM

MH709-C2

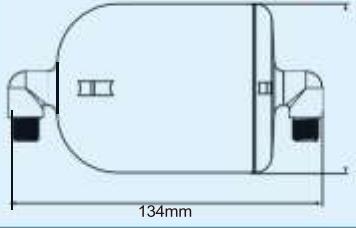
In\Out: 1/4" NPT Male
Vent\Drain: 1/8" NPTM

MH711

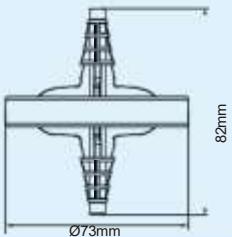
In\Out:1/4" Swagelok

MH712

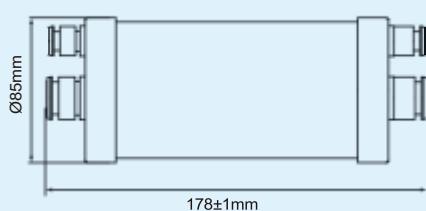
In\Out: 1/4" NPT Male
Vent\Drain:1/4" Swagelok

MH722

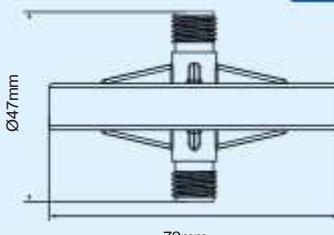
In\Out: 1/4" Swagelok
Vent\Drain: N/A

MH726

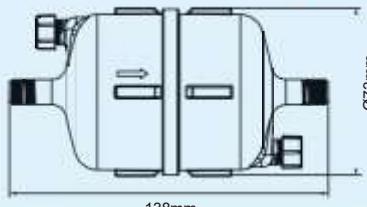
In\Out: 1/4"-1/2" Hose Barb
Vent\Drain:N/A

MH734

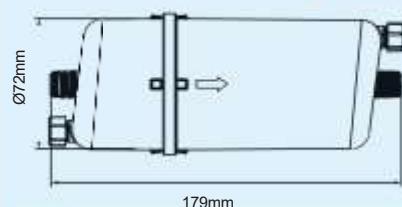
Seal Material:EPD Male

MH737

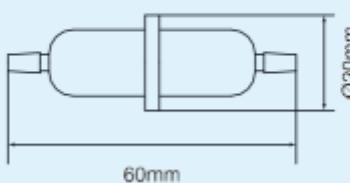
In\Out:1/4" Swagelok

MH738

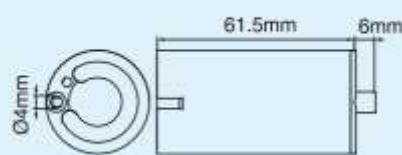
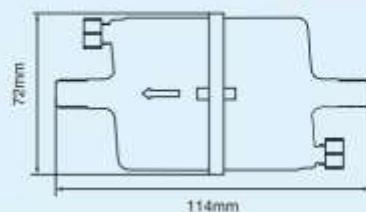
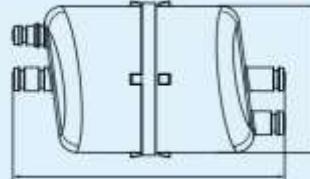
In\Out:1/4" Swagelok
Vent\Drain:1/4" Swagelok

MH740

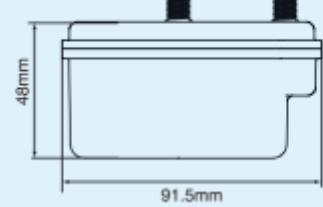
In\Out:1/4" NPT Male
Vent\Drain: 1/4" Swagelok

MH227

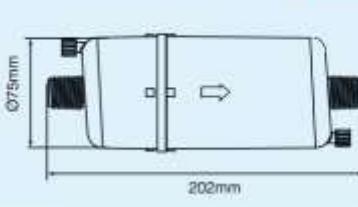
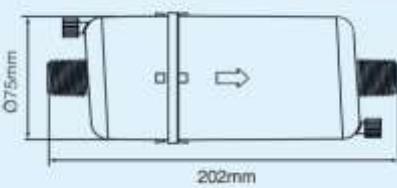
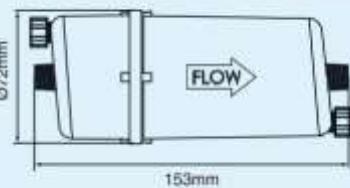
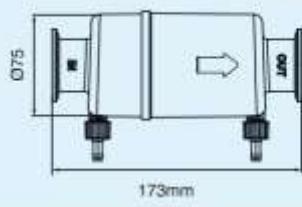
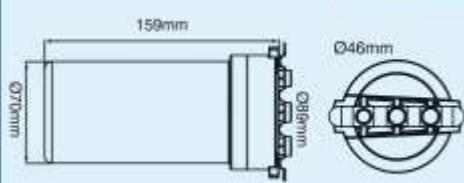
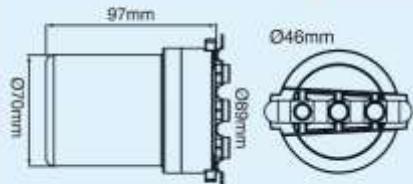
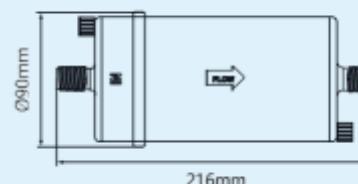
In\Out:1/8" Hose Barb

MH325In\Out:1/4" Luer Lock
Vent\Drain:1/4" Luer Lock**MH709**In\Out:1/4" NPT Male
Vent\Drain:1/8" NPTM**MH741**

Seal Material : EPD Male

MH743

In\Out:1/8" Swagelok

MH753In\Out:1/2" NPT
Vent\Drain:Luer Lock**MH754**In\Out:3/8" NPT
Vent\Drain:Luer Lock**MH759**In\Out:1/4" NPT Male
Vent\Drain:1/8" NPT Male**MH761**In\Out:1.5" Clamp Connection
Vent\Drain:M12 Valve ElementIn\Out:O-Ring Quick
Connect
Vent\Drain:O-Ring
Quick Connect**MH831S**In\Out:O-Ring Quick
Connect
Vent\Drain:O-Ring Quick
Connect**MH847**In\Out:G3/8-19
Vent\Drain:Luer Lock
Female

Syringe Filter

MegaVision Syringe Filters are high quality filters, well packaged, and offered at a competitive price. The classic range is available with membranes including Nylon, PTFE, PES, MCE and PVDF, which are supplied in 13mm, 25mm formats in virgin medical polypropylene housings

BENEFITS

- Application compatibility: broad range of filtration media meets diverse applications needs
- Minimum sample hold-up: syringe Filters housings are specifically designed to maximize sample recovery
- Convenient: each unit is clearly marked with an identifying code to denote pore size, membrane material
- Sterile: filters can be purchased pre-sterilized by Gamma radiation and individually packaged

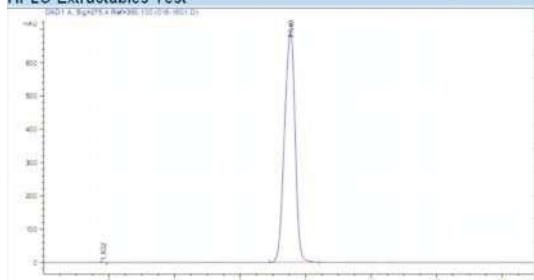
APPLICATIONS

- | | |
|-----------------------------------|-------------------------|
| • HPLC sample preparation | • Dissolution testing |
| • Routine QC analysis | • Food analysis |
| • Content uniformity | • Biofuel analysis |
| • Removal of protein precipitates | • Environmental samples |

- HPLC certification which guarantees the filters will not produce extraneous peaks in the UV range.
 - 100% integrity tested with higher burst strength ratings assuring they will perform consistently.
 - Available in 13 and 25mm sizes and available in sterilized too.
 - 0.45µm for most clarification applications and 0.22 µm when fine particulate removal is required. Other pore size are available in 0.8µm - 5µm.

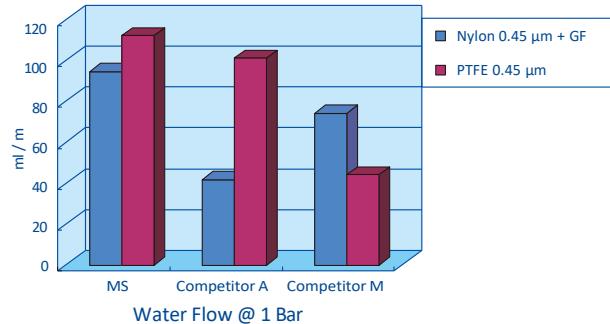
VALIDATED HPLC PERFORMANCE

HPLC Extractables Test

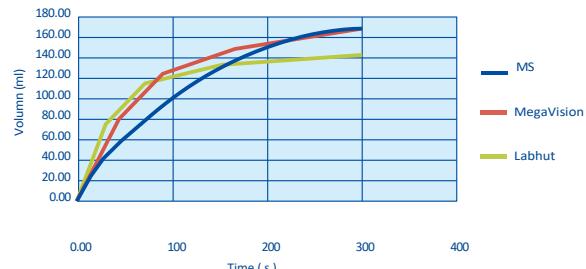


Agilent Technologies 1200,
 Column:C18 UV-254 nm
 Mob. phase:MeOH2O:20:80,
 Temperature:25°C,
 Flow rate:0.8ml/min,
 sample:2mg/ml Bergenin(in Methanol)

HM 25mm Syringe Filter VS Competition



Nylon 0.45 + GF



ORDERING INFORMATION

A:How to order?

SF

NY

025

022

N

G

Syringe
Filter

Filter Media

Nylon
PTFE
PES
CA
PP
CE

Diameter

013 = 13 mm
025 = 25mm

Pore Size

022 = 0.2 µm
045 = 0.45 µm

N = non sterile
S = sterile

G = GF prefilter
P = PP prefilter

PARAMETERS	13mm	25mm
Housing material	Virgin Medical	Polypropylene
Effective Filtration area (cm ²)	1.0	4.08
Pore Size (um)	0.22,0.45.....	
Holdup volume (µ)	<25	<100
Sample volume (ml)	<10	<100
Inlet connection		Female luer lock
Outlet connection		Male luer slip
Maximum Operating Temperature	50°C	50°C
Maximum Operating Pressure (bar)	6	6



222 Flat Filter Virgin PP Housing

222 Flat filter Virgin PP Housing is made of pure polypropylene.

The housing is designed to fit 10" and 20" 222 single open end cartridge

BENEFITS

- Made of pure virgin PP, low precipitation.
- Accepts 10" and 20" 222 O-rings style cartridge, flat closed end.
- Wide chemical compatibility.
- Transparent housing bowl enables visual inspection of the cartridge.

APPLICATIONS

- Pharmaceutics
- Food and beverage
- Chemical
- Microelectronics
- Cosmetics
- Ink water treatment

MATERIALS OF CONSTRUCTION

Head Pure Virgin PP	Inlet/Outlet 3/4" NPT	Max Operating Temperature 60°C
Bowl Pure Virgin PP	Vent 1/4" NPT	Max. Operating DP 6 Bar @ 21°C
Mounting Bracket Stainless Steel ®	Drain 1/4" NPT	



SPECIFICATION

ORDERING CODE

Example : 222-10-E

	Length	Seal Material
222	10 = 10" 20 = 20"	E = EPDM V = Viton



226 Flat filter Virgin PP Housing

226 Flat filter Virgin PP Housing is made of pure polypropylene.

The housing is designed to fit 10" and 20" 226 single open end cartridge

BENEFITS

- Made of pure virgin PP, low precipitation.
- Accepts 10" and 20" 226 O-rings style cartridge, flat closed end.
- Wide chemical compatibility.
- Transparent housing bowl enables visual inspection of the cartridge.

APPLICATIONS

- Pharmaceutics
- Food and beverage
- Chemical
- Microelectronics
- Cosmetics
- Ink water treatment

MATERIALS OF CONSTRUCTION

ID	1.10" (28mm)	Length	9.75" (248mm) 9.87" (250mm) 10" (254mm)
Sealing	EPDM, Viton	Vent	20" (508mm)
		Drain	1/4" NPT
		Inlet/Outlet	1/4" NPT
			DN40, JIS40A



SPECIFICATION

Max Operating Temperature	60°C
Max. Operating DP	6 Bar @ 21°C
Head	Pure Virgin PP
Bowl	Pure Virgin PP

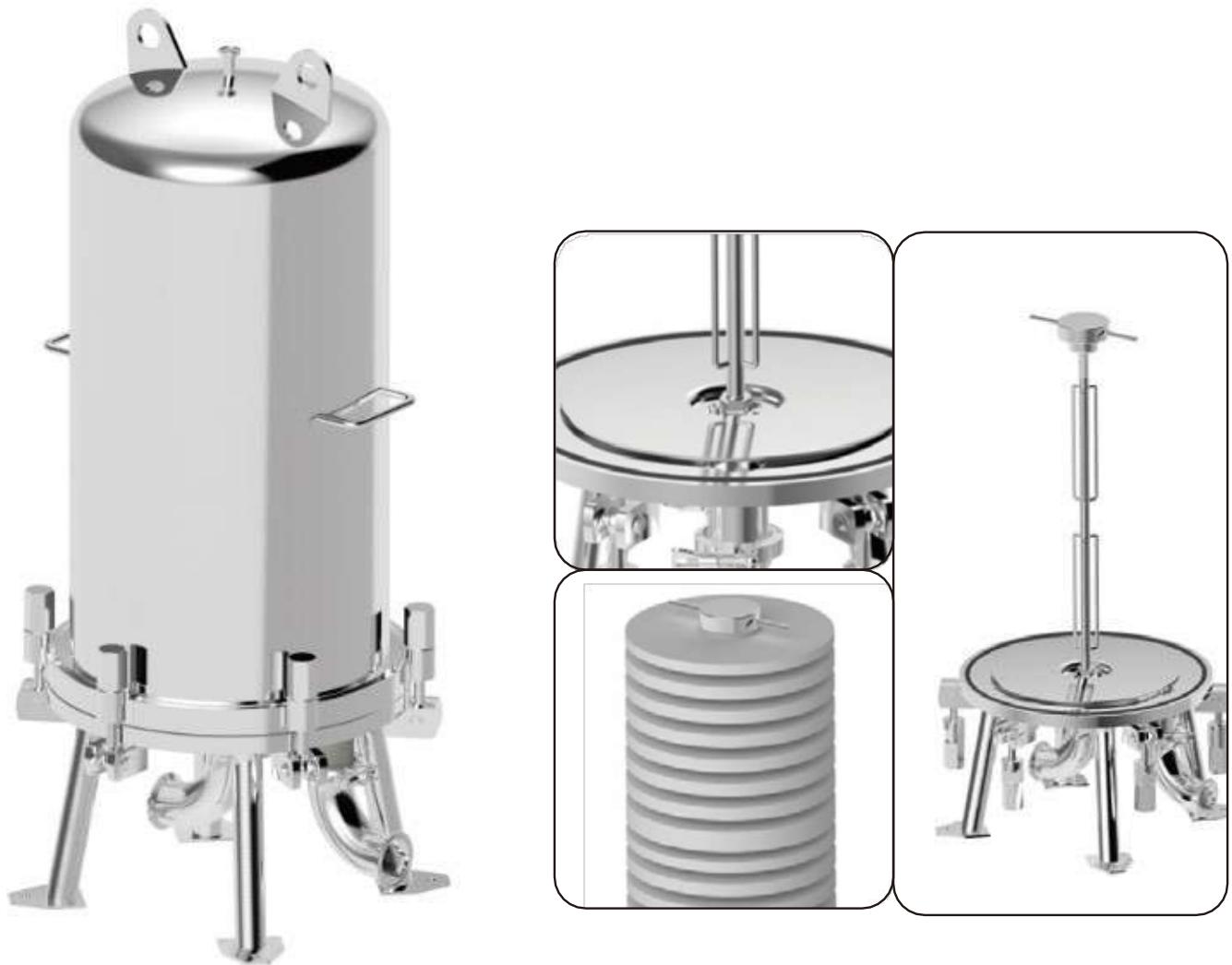
ORDERING CODE

Example : 226-10-E

Length	Seal Material
226	10 = 10"

20 = 20"

V = Viton



Lenticular Filter Housings

Lenticular Filter Housings are depth housings for Lenticular filters. They can replace DE filter to remove the particles in kinds of liquids for filtration, clarification and purification. The housings are constructed under sanitary grade standards with high precision polishing. There is no residual liquid after using and easy to clean. With the bottom inlet and outlet design, it can avoid the turbulence of liquid effectively and improve the filtration performance. The housing can hold maximum 4 pcs lenticular filters and meet the high flow requirement

APPLICATIONS

- The particle filtration of wine, beer, syrup
- The prefiltration of juice
- The final filtration of juice
- The clarification of wine, liquid gel, olive oil
- The liquid filtration in pharmaceutical, chemical, microelectronics industry

BENEFITS

- High flow rate, less space needed, high efficiency.
- SS 304 and SS 316L material with good corrosion resistance for many different applications
- Stand type and horizontal type for choosing

PRODUCT SPECIFICATIONS

Material of constructions

Housing body : SS304, SS316L

Vent/Drain

SS304, 3SS16L

Eyebolt

SS304

O-mng/Gasket

EPDM, PTFE, Viton, Silicone

CONNECTIONS

Body connection

Flange

Inlet/ outlet N1、N2

Quick Install, Thread

Pressure gage N3 (optional)

1.5" Quick Install

Drain N4 (optional)

1" Quick Install

Vent N5 (optional)

1/2 "Quick Install

SURFACE POLISHING

Polishing Type

Mechanical polishing, Electrolytic polishing

Polishing Precision

Inside 0.3um, Outside 0.4um

PERFORMANCE

Max Operation pressure

0.6MPa

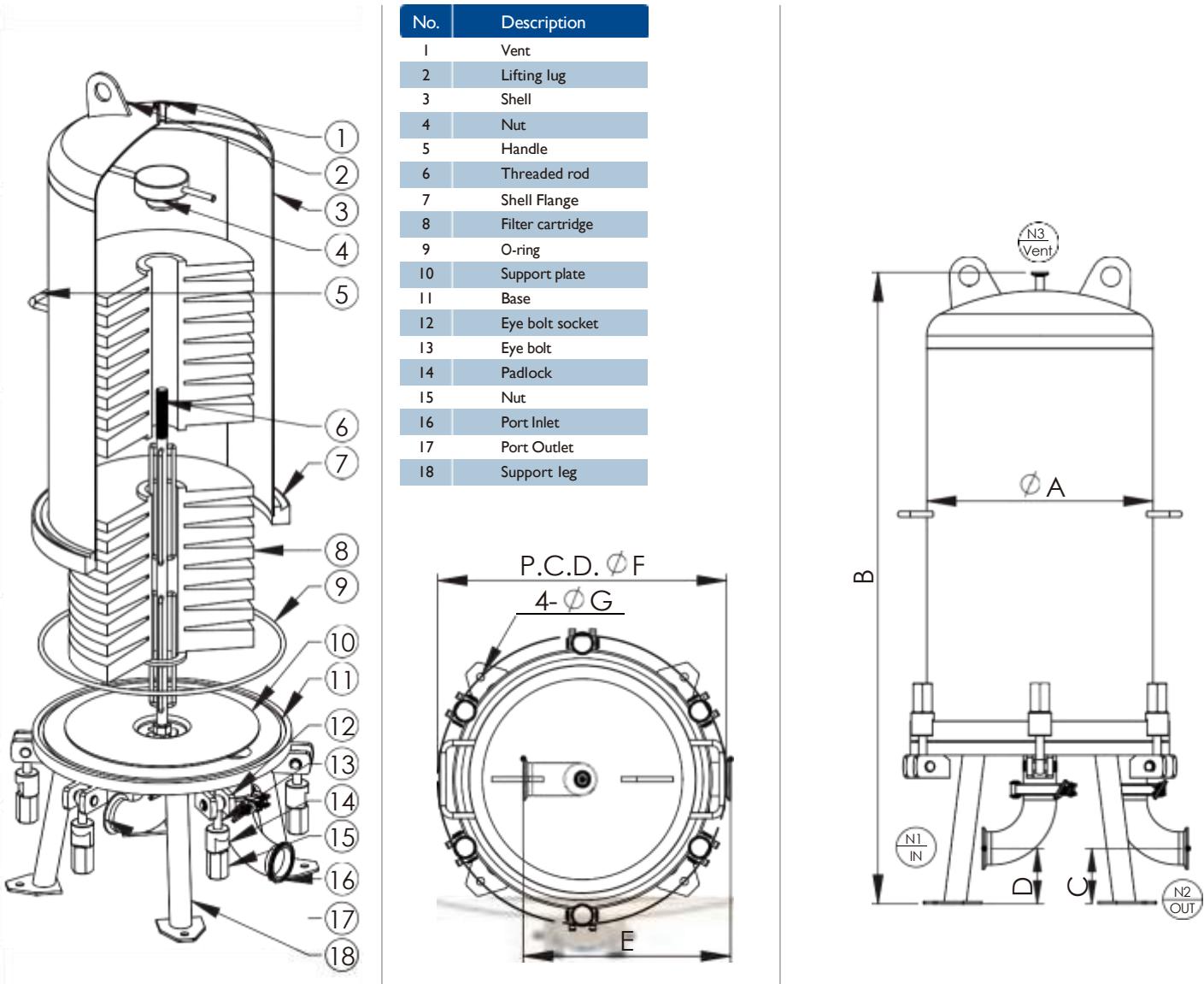
Max Operation temperature

150°C

Sterilization

SIP or steam, 121°C/30min

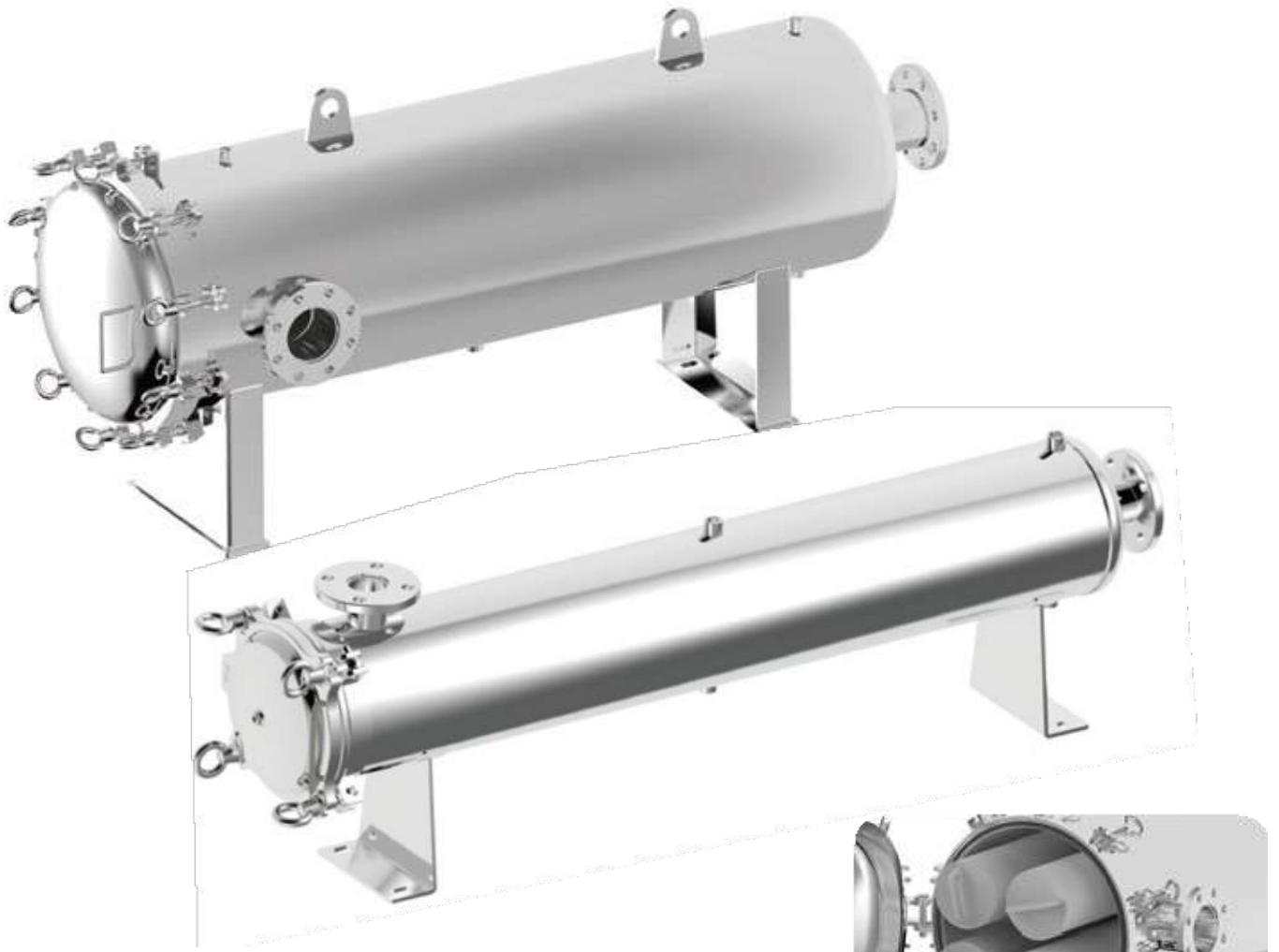
Dimensions	12"Depth-stack Cartridge				16"Depth-stack Cartridge			
	1PC	2PC	3PC	4PC	1PC	2PC	3PC	4PC
A:Total height (except pressure gage)	950	1210	1490	1760	960	1230	1500	1770
B:Inlet center distance	200				250			
C:Diameter	Ø325				Ø450			
D:Terrain clearance of inlet/outlet N1, N2	280				280			
Inlet/outlet N1, N2	2"				2"			



ORDERING CODE

Example : LFH-2C-16-F-6-E

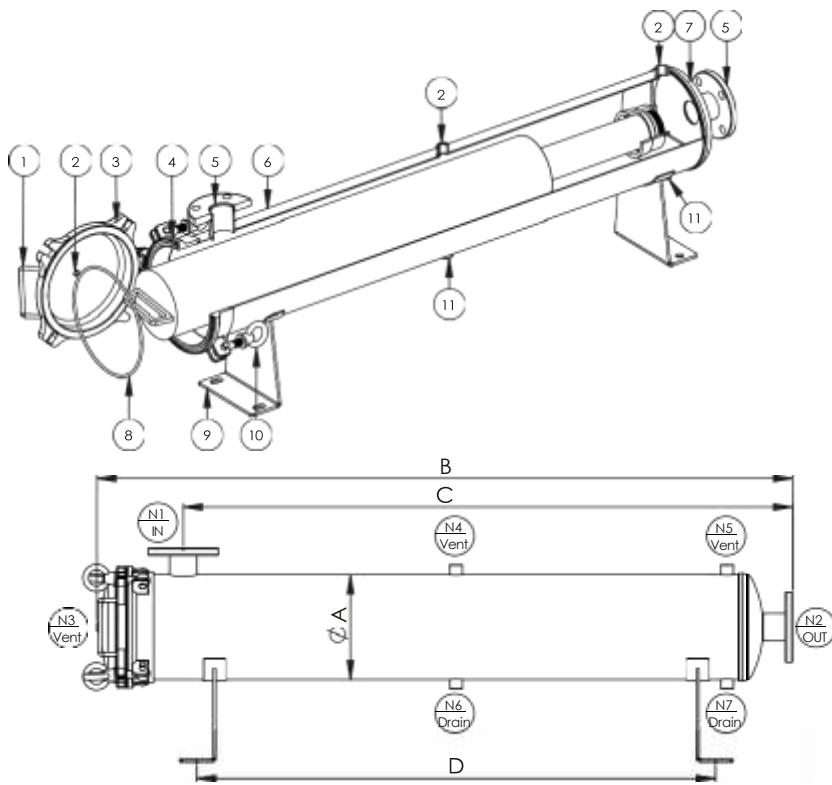
	Cartridge Qty	Cartridge Diameter	Inlet/outlet Connection	Body Material	Seal Material
LFH	1C = 1 pcs 2C = 2 pcs 3C = 3 pcs 4C = 4 pcs	12 = 12" 16 = 16"	F = Flange K = Quick Install L = Thread	4 = SS 304 6 = SS 316L	E = EPDM P = PTFE V = Viton S = Silicone



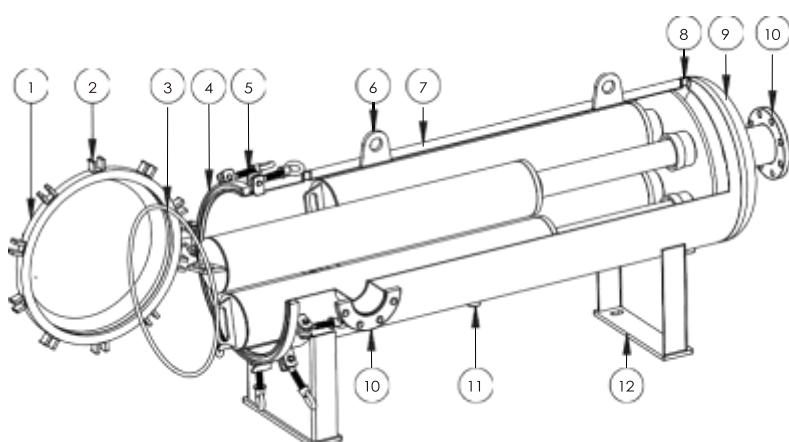
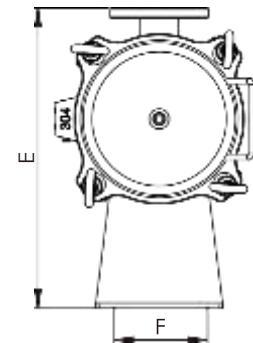
High Flow Filter Housings

High Flow Filter Housings are designed for large diameter and high flow rate pipelines for high flow applications. The cartridges are high flow pleated filter cartridges which have much more surface area than the conventional cartridges. Its big pore ratio (as much as 50%) and straight-through type structure are suitable for high flow and low pressure drop. This reduces the size and weight of the filtration unit. Therefore, the cost of investment and operation cost is reduced. Furthermore, the frequency of the filter cartridge replacement is also reduced to save labor resources.

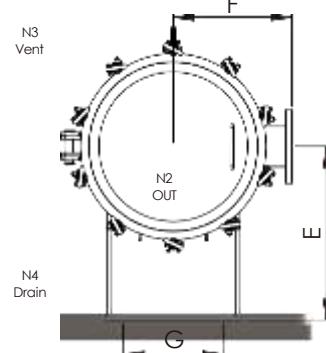
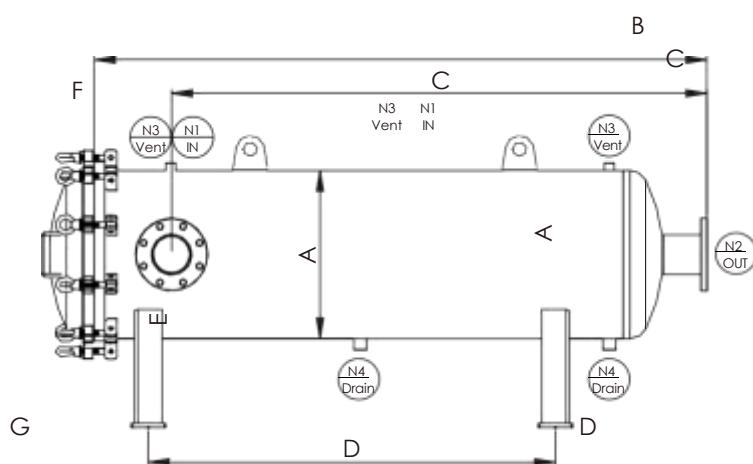
This High Flow Filter Housings have stand type and horizontal type. For big system with flow over 1000t/h, horizontal type housings are better and usually it contains the 60" cartridges.



No.	Description
1	Handle
2	Vent
3	Top cover
4	Shellflange
5	Port(Outlet/Inlet)
6	Shell
7	Bottom cover
8	O-ring
9	Support leg
10	Eye bolt
11	Drain



No.	Description
1	Top cover flange
2	Top cover
3	O-ring
4	Shell flange
5	Eye bolt
6	Lifting lug
7	Shell
8	Vent
9	Bottom cover
10	Port(Outlet/Inlet)
11	Drain
12	Support leg



APPLICATIONS

- High flow liquid filtrations
- Big water treatment projects
- Sea water desalination
- Power plant water treatment
- RO prefiltration

BENEFITS

- High flow rate, less space needed, high efficiency
- SS 304 and SS 316L material with good corrosion resistance
- Stand type and horizontal type for choosing

PRODUCT SPECIFICATIONS

Body

SS 304, SS 316

Eyebolt

SS 304, SS 316

Feet

SS304

O-ring/Gasket

EPDM, PTFE, Viton, Silicone

CONNECTIONS

Body Connection

Flange

Inlet/ outlet N1、N2

Flange,Quick install

Pressure Gage N3 (optional)

G3/4"Thread

Drain N4 (optional)

G1/2"Thread

SURFACE POLISHING

Polishing Type

Mechanical polishing
Electrolytic polishing

Polishing Precision

Inside 0.3μm
Outside 0.4μm

PERFORMANCE

Max Operation Pressure

0.6 MPa

Max Operation Temperature

50°C

Dimensions	1 Cartridge			2 Cartridge		
	20"	40"	60"	20"	40"	60"
A: Body length (except head)	700	1200	1700	800	1300	1800
						1770
B: Center distance of the feet bolt	300	600	900	400	700	1000
C: Diameter	230			400		
D: Terrain clearance of inlet/outlet N1, N2	355			395		
inlet/outlet N1, N2	2"/2.5"/3"			3"/4"/5"		

ORDERING CODE

Example : HFFH-L-2R-40-F-B-4-E

Structure Type	Cartridge QTY.	Cartridge Length	Inlet/outlet Connection	Surface Treatment	
HFFH	L =Stand Type W =Horizontal Type	1R = 1 pcs 2R = 2 pcs 3R = 3 pcs 4R = 4 pcs 5R = 5 pcs	20 = 20" 40 = 40" 60 = 60"	F = Flange K = Quick Install L = Thread	A = Sand Blasting B = Mirror Polish C = Electrolytic Polish
Body Material	Seal Material				
4 = SS 304 6 = SS 316L	E = EPDM P = PTFE V = Viton S = Silicone				



Side Entry Bag Filter Housings

GCF Series Side Entry Bag Filter Housings are economic single bag filter housings for standard filter bags used for the coarse filtration and prefiltration. The side entry and bottom out or side entry and side out design save the filter space effectively. The pressure ring and spring at the bag mouth ensure a good seal between the housing and the filter bag. With adjustable feet, the installation dimensions can be quickly adjusted according to the actual space.

APPLICATIONS

- General water treatment
- RO prefiltration
- Prefiltration for liquids in food and beverage, pharmaceuticals, chemicals, microelectronics industries

BENEFITS

- Side entry and bottom out or side entry and side out design save the filter space effectively.
- Adjustable feet for adjustable installation dimensions.

PRODUCT SPECIFICATIONS

Body

SS 304, SS 316L

Eyebolt

SS304

Feet

SS304

O-ring/Gasket

EPDM, PTFE, Viton, Silicone

CONNECTIONS

Body Connection

Flange

Inlet/ outlet N1、N2

Flange, Quick Install, Thread

Pressure Gage N3 (optional)

1.5" Quick Install (size 1 / size 2 Bag)
M14 x 1.5 Internal Thread (size 3 / size 4 Bag)

Drain N4 (optional)

1/4"External Thread

SURFACE POLISHING

Polishing Type

Mechanical polishing,
Electrolytic polishing,
Abrasive blastin

Polishing pPrecision

Inside 0.6µm,
Outside 0.8µm,
Support basket 0.6µm

PERFORMANCE

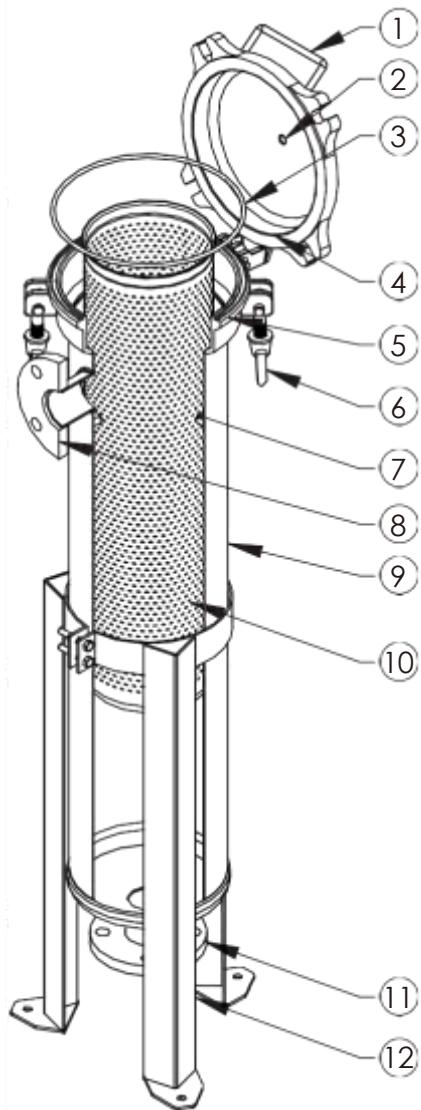
Max Operation Pressure

0.6 MPa, 1.0 MPa

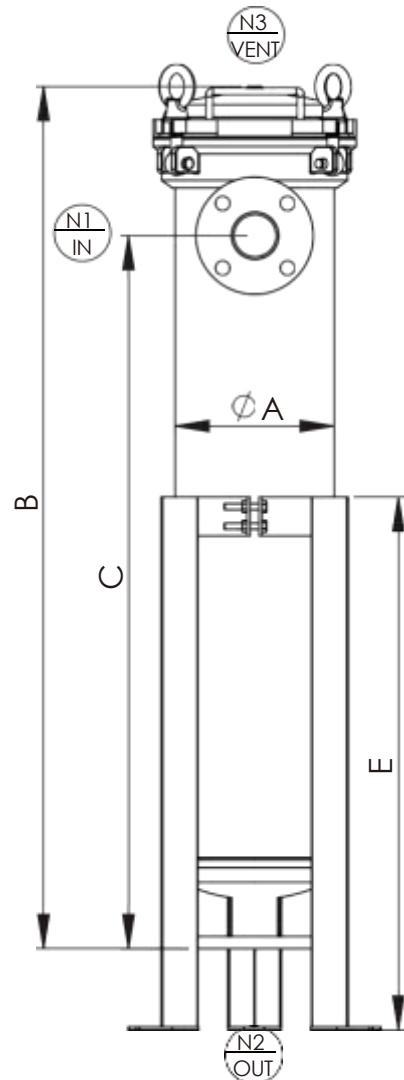
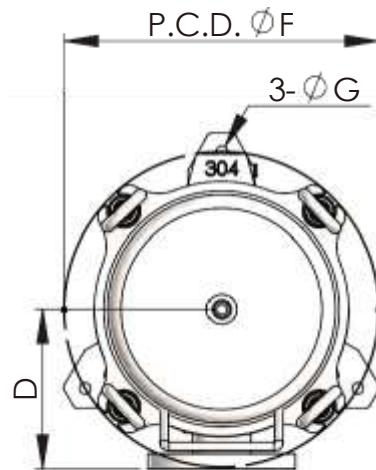
Max Operation Temperature

150°C

Dimensions	Moulded lid/Flat lid		Flat lid	
	Size 1 Bag	Size 2 Bag	Size 3 Bag	Size 4 Bag
A: Total heigh(except pressure gage)	990	1365	525	635
B: Inlet center distance		147		92
C: Diameter	Φ 204	Φ 204	Φ 114	Φ 114
D1: Terrain clearance of inlet	835	1205	445	555
D2: Terrain clearance of outlet		250		300
Inlet/outlet N1, N2	1.5"/ 2"		1"/ 1.5"	
E: Adjustable feet	500	800	300	400
Max. Flow rate m ³ /h	20	40	6	12



No.	Description
1	Handle
2	Vent
3	O-ring
4	Top cover
5	Shell Flange
6	Eye bolt
7	Filter Bag Plate
8	Port inlet
9	Shell
10	Basket
11	Port outlet
12	Support Leg



ORDERING CODE

Example : GCF-2R-2S-F-A-4-P

	Filter Bag QTY.	Filter Bag Size	Inlet/outlet Connection	Surface Treatment
GCF	1R = 1 Pcs 2R = 2 Pcs 3R = 3 Pcs 4R = 4 Pcs 5R = 5 Pcs 8R = 8 Pcs 12R = 12 Pcs 17R = 17 Pcs 23R = 23 Pcs	1S =Size 1:Ø180x430 2S =Size 2:Ø180x810 3S =Size 3:Ø105x230 4S =Size 4:Ø105x380	F = Flange K = Quick Install L = Thread	A = Sand Blasting B = Mirror Polish C = Electrolytic Polish
Body Material	Seal Material			
4 = SS 304 6 = SS 316L	E = EPDM P = PTFE V = Viton S = Silicone			



Top Entry Bag Filter Housings

HMGDF Series Top Entry Bag Filter Housings are economic single bag filter housings for standard filter bags which usually used for the coarse filtration and prefiltration. The flow enters from the side first and then enters the filter bag from the top of the housing. This design can separate the pressure automatically and will not come out turbulent flow, reduce the pressure drop, protect the filter bag effectively. Tight seal from the whole top cap ensures a good sealing to avoid the leaking. With adjustable feet, the installation dimensions can be quickly adjusted according to the actual space.

APPLICATIONS

- General water treatment
- RO prefiltration
- Prefiltration for liquids in food and beverage, pharmaceuticals, chemicals, microelectronics industries

BENEFITS

- Side entry and bottom out or side entry and side out design save the filter space effectively.
- Adjustable feet for adjustable installation dimensions.

PRODUCT SPECIFICATIONS

Body

SS304、SS316L

Eye bolt

SS304

Feet

SS304

O-ring/Gasket

EPDM, PTFE, Viton, Silicone

CONNECTIONS

Body Connection

Flange

Inlet/ outlet N1、N2

Flange, Quick Install, Thread

Pressure Gage N3 (optional)

M14 x 1.5 Internal Thread

Drain N4 (optional)

1/4" Internal Thread

SURFACE POLISHING

Polishing Type

Mechanical polishing,
Electrolytic polishing,
Abrasive blastin

Polishing pPrecision

Inside 0.6μm,
Outside 0.8μm,
Support Basket 0.6μm

PERFORMANCE

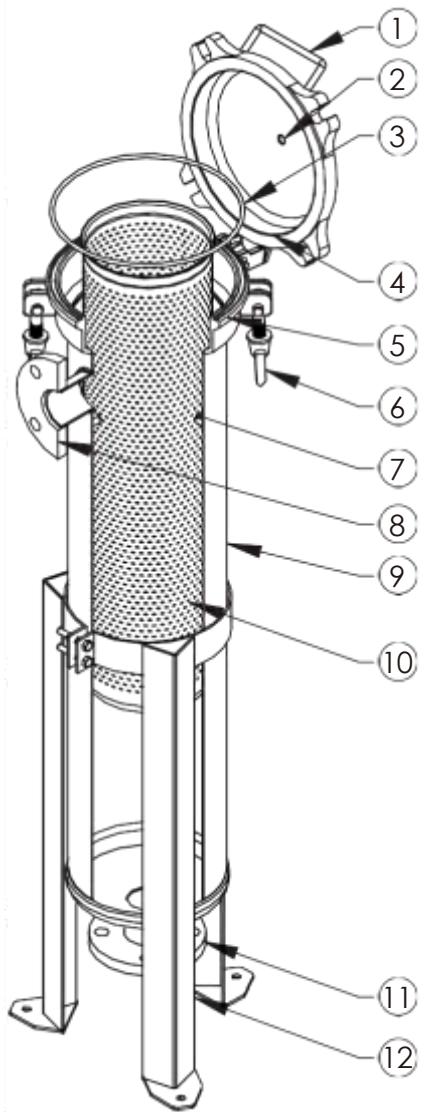
Max Operation Pressure

0.6 MPa , 1.0 MPa

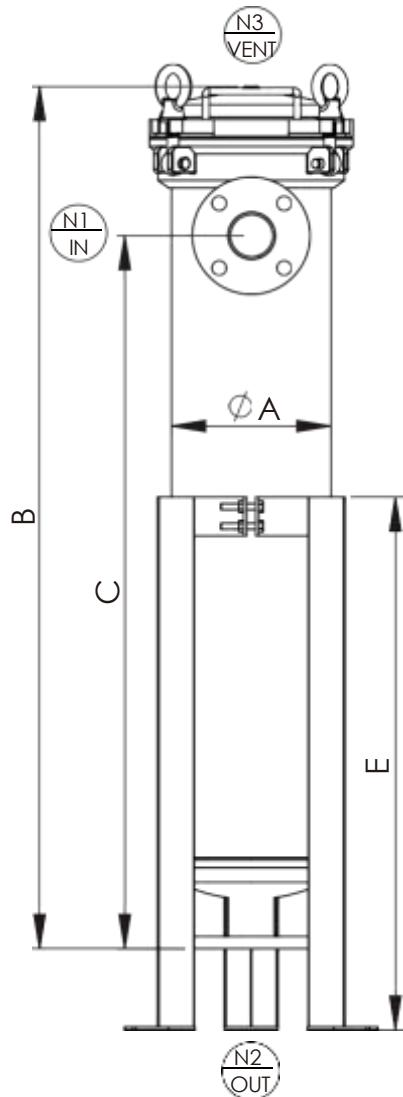
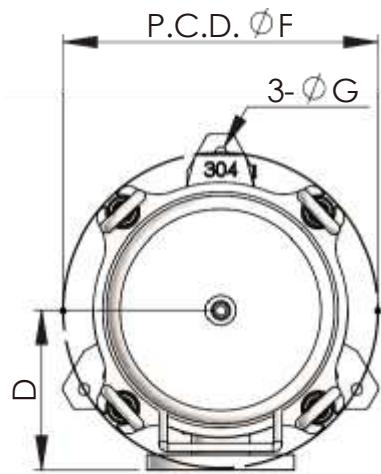
Max Operation Temperature

150°C

Dimensions	Flat lid	
	Size 1 bag	Size 2 bag
A: Total height(except pressure gage)	790	1100
B: Inlet center distance		275
C: Diameter	Ø204	Ø204
D1: Terrain clearance of inlet	620	940
D2: Terrain clearance of outlet		200
Inlet/outlet N1, N2		1.5"/ 2"
E: Adjustable feet	550	7000
Max. Flow rate m³/h	20	40



No.	Description
1	Handle
2	Vent
3	O-ring
4	Top cover
5	Shell Flange
6	Eye bolt
7	Filter Bag Plate
8	Port inlet
9	Shell
10	Basket
11	Port outlet
12	Support Leg



ORDERING CODE

Example : GDF-2R-2S-F-A-4-P

	Filter Bag QTY.	Filter Bag Size	Inlet/outlet Connection	Surface Treatment
GDF	1R = 1 Pcs 2R = 2 Pcs 3R = 3 Pcs 4R = 4 Pcs 5R = 5 Pcs 8R = 8 Pcs 12R = 12 Pcs 17R = 17 Pcs 23R = 23 Pcs	1S =Size 1:Ø180x430 2S =Size 2:Ø180x810	F = Flange K = Quick Install L = Thread	A = Sand Blasting B = Mirror Polish C = Electrolytic Polish
Body Material	Seal Material			
4 = SS 304 6 = SS 316L	E = EPDM P = PTFE V = Viton S = Silicone			

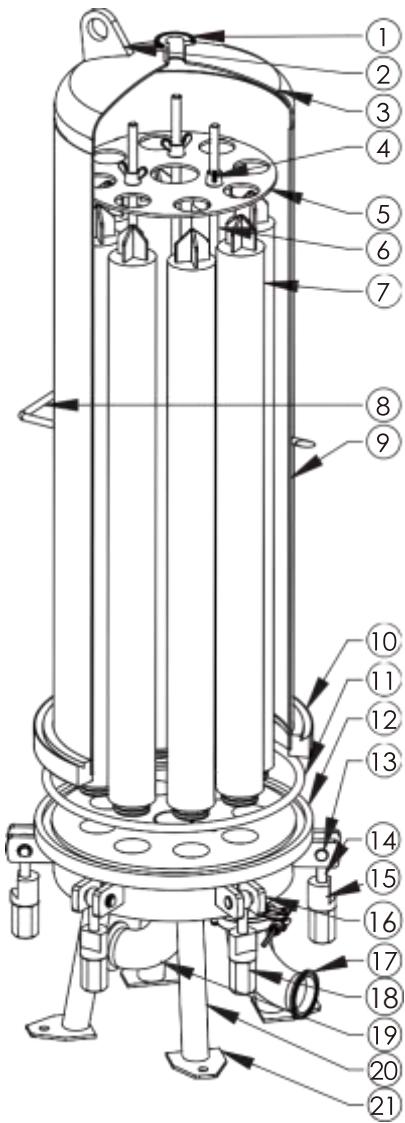


Liquid Filter Housing

The Liquid filter housing is made of SUS304 or SUS316L stainless steel, with pleated filter cartridge as filter element. The system is used for liquid and gas filtration. It has fast filtration speed, less adsorption, no media falling off, no leakage, acid and alkali resistance, corrosion resistance, easy cleaning, and can be back washed. They are ideal filtration equipment for biomedicine, electronics, beer, beverage, chemical, water treatment and other industries.

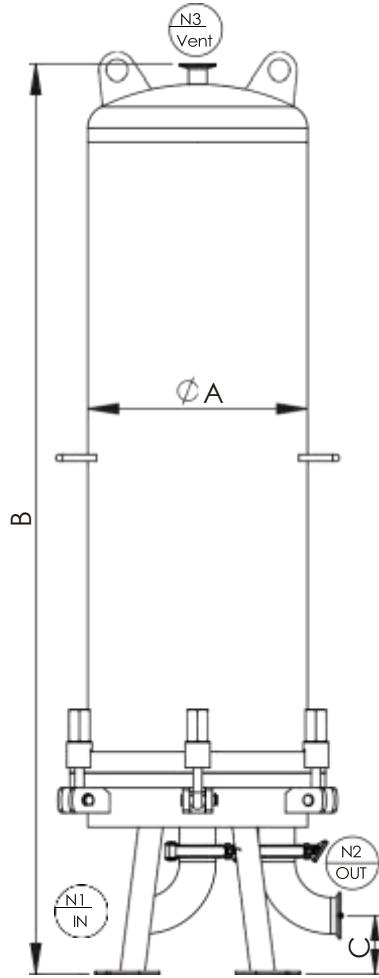
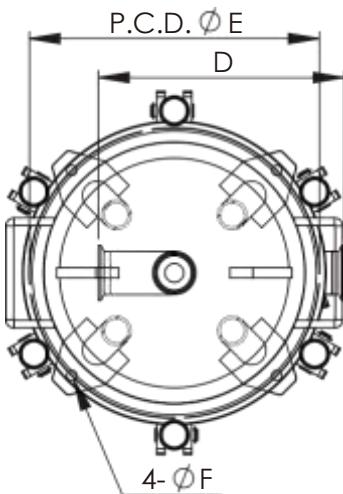
BENEFITS

- Small size, light weight and convenient use;
- Low plugging rate, fast filtration speed, no pollution, good thermal and good chemical stability.
- Internal and external surface are mirror polished with sanitary standards.
- The filter socket is made of precision boring, and the filter element is installed accurately and quickly.



No.	Description
1	Vent
2	Lifting Lug
3	Top cover
4	Nut
5	Pressure plate
6	Threaded rod
7	Filter cartridge
8	Handle
9	Shell
10	Shell flange
11	O-ring
12	Base
13	Spindle
14	Eye bolt
15	Padlock
16	Eye bolt socket
17	Port Outlet
18	Nut
19	Port Inlet

20	Support leg
21	Leg base plate



TECHNICAL PARAMETERS

- Design pressure: 0.6/0.8/1.0Mpa, can be customized according to special requirements
- Design temperature: 5 °C ~ 100 °C (over 60 °C need to inform)
- Sealed type: O-ring or Flat Gasket
- Interface form: GB, HG, DIN, ANSI, JIS standard flange, thread, Tri clamp, etc.
- Applicable filter: Flat, Thread, 222 & 226 Filter, etc.
- Material: SS304, 316L, Carbon steel lined rubber

ORDERING CODE

Example : LFH-304-03-F-10-1

Material	Cartridge No.	Filter Interface Type	Length	In / Out
LFH 304 = SUS304 306 = SUS316L	01 = Single 03 = Three 05 = Five 07 = Seven 09 = Nine 11 = Eleven	F = DOE M = M20 T = 226 P = 222	10 = 10" 20 = 20" 30 = 30" 40 = 40"	1 = 1" 1.5 = 1.5" 2 = 2" 3 = 3"

