

HIGH FLOW FILTER CATALOG





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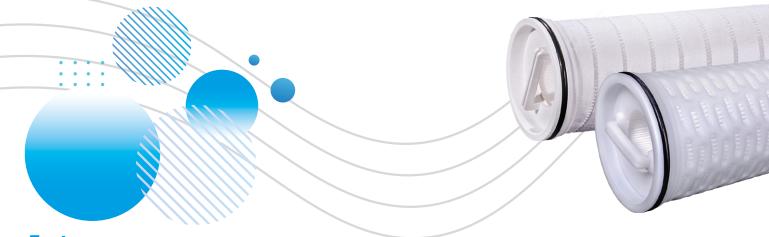
HFH Series

High Flow Pleated Cartridges



HFH Series High Flow Pleated Filter Cartridges

HFH Series High Flow Pleated Filter Cartridges are made of depth fine PP non-woven fabrics. The pleated filter cartridge is single open ended and in diameter of 6inch/152mm, inside to outside flow design ensures that the unwanted particles are trapped with the element. One HFH filter replaces few standard 10" filter cartridges to reduce the operating costs and make change out quickly and easily for critical applications. The multiple layers with depth pleated design provides higher removal efficiency and longer service life than other cartridges of equal efficiency. All the PP configuration with good chemical compatibility ensures that can be used for wide applications.



Features

- Available in economic/nominal/absolute structure, particle removal rating from 0.5 to 100 micron
- 100% polypropylene components provide wide chemical compatibility, suitable for use in a variety of fluids
- With depth fine non-woven fabrics and scientific design, the filter is in a good structure, having high dirt holding capacity and resulting in longer service life
- The pleated media in large diameter reduces operating costs, makes change out quickly and easily and makes cartridge in longer service life
- Higher dirt holding capacity with large diameter reduces the changes times of cartridges

Applications

- Food & Beverage
- RO Pre-Filtration
- Process water(Pre-RO, Cooling...)
- Ground/Reclaimed/Wastewater
- Sea water desalination
- Oil & Chemical
- Power plant water treatment
- Machinery & Equipment

Dimension

Outer Diameter 154mm Length 20", 40", 60"

Material of Constructions

Media PP, GF

Cage / Core / End Cap PP

Sealing Silicone, EPDM,

FKM, E-FKM

Performance

Max. Operating Temperature 80°C

Max. Operating DP 2.4 bar@20°C Recommended Change out DP 2.2 Bar@20°C

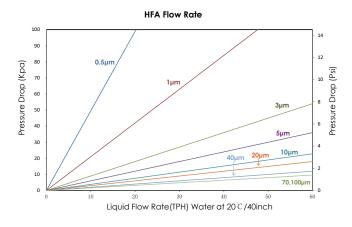
Quality

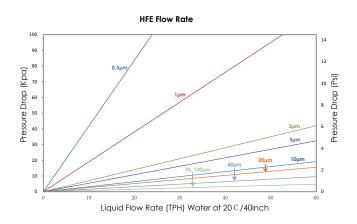
- Manufactured in a clean room environment
- Manufactured according to ISO9001:2015 certified Quality Management System

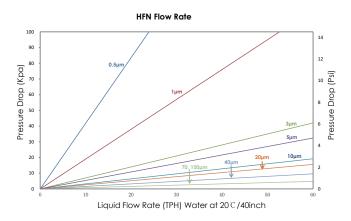
Food Contact Compliance

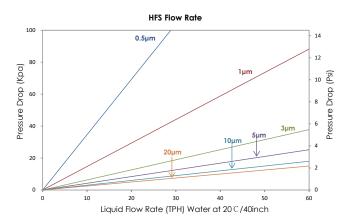
- Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations 21CFR.
- Materials used to produce filter media and hardware meet the specifications for biological safety per USP Class VI-121 C for plastics.
- Passed European Commission Directives (EU10/2011)

Flow Rate

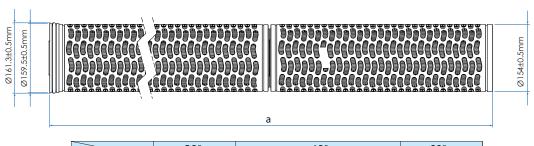








Dimensions



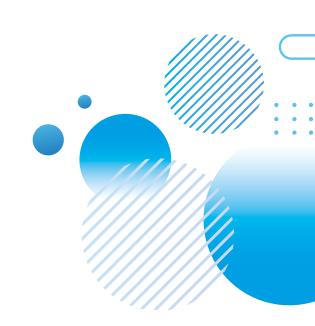
	20"	40"		60"
a	528.0±2	1016.0±2	1022.0±2	1538.0±3

Eg.=> HFAG0050PB20S

ORDERING INFORMATION						
Grade	Media Structure	Hardware Material	Appearance	Length	Seal Material	
HFA = Absolute	G0050 = PP0.5μm	P = PP	B = Belt	20 = 20"	S = Silicon	
HFN = Nominal	$G0100 = PP1\mu m$		C = Cage	40 = 40"	E = EPDM	
HFE = Economic	G0300 = PP3µm			60 = 60"	V = FKM	
	G0500 = PP5µm G1000 = PP10µm G2000 = PP20µm G4000 = PP40µm G7000 = PP70µm G9900 = PP100µm				F = E-FKM	

Eg.=> HFS0050B20SP

ORDERING INFORMATION						
Hardware Material	Media Structure	Appearance	Length	Seal Material	Core	
S= Glass fiber	$0050 = 0.5 \mu m$ $0100 = 1 \mu m$ $0300 = 3 \mu m$	B = Belt C = Cage	20 = 20" 40 = 40" 60 = 60"	S = Silicon E = EPDM V = FKM	Blank = No P = PP core	
	$0500 = 5\mu m$ $1000 = 10\mu m$ $2000 = 20\mu m$			F = E-FKM		



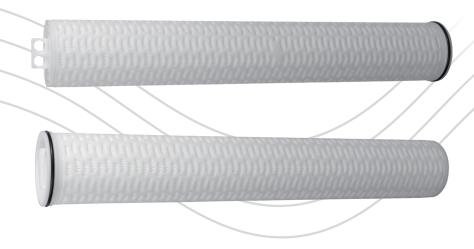
HFD Series

High Flow Filter Cartridges



HFD Series High Flow Filter Cartridges

HFD Series High Flow Filter Cartridges can be taken from filters conveniently with two stretchable handles on both ends. The single open-ended filter is designed with a large input whose diameter of 6 inches. The design of super high flow can thus better improve the efficiency of filter cartridges and filters and save the cost. This filter cartridge also adopts depth fine PP fiber membrane as the main filtration layer.



Features

- Big filtration area, high flow rate
- Double handles, both ends are easily accessible
- Optional remove ratings
- Manufactured in cleanroom environment

Applications

- General purpose: RO system prefiltration
- Industrial: process water, cooling water, waste water filtration
- Chemical: filtration of various acids, bases, solvents, chilled water, saline
- Condensate water filtration in power plant

Dimension

Diameter 154 mm Length 20", 40"

Material of Constructions

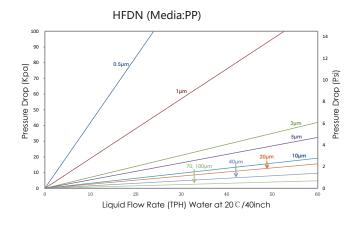
Media PP, GF
Support PP
Cage PP

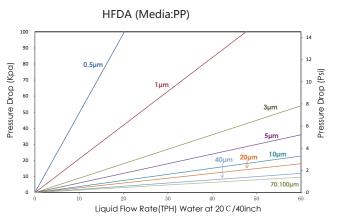
Performance

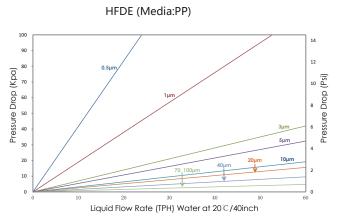
Max. Operating Temperature 80°C

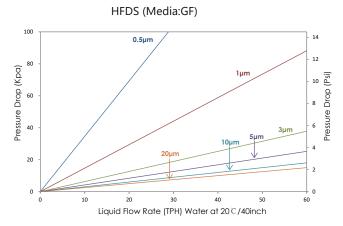
Max. Operating DP 2.4 bar@20°C Recommended Change out DP 2.2 Bar@20°C

DP

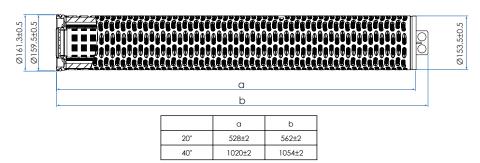








Drawing



Eg.=>	HFD40A	G0050S
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	ORDERING INFORMATION						
Length	Remove Rating	Med	dia	Seal Material			
20 = 20" 40 = 40"	A = Absolute N = Nominal E = Economic	G0050 = PP0.5 μ m G0100 = PP1 μ m G0300 = PP3 μ m	G1000 = PP10μm G2000 = PP20μm G4000 = PP40μm	S = Silicon E = EPDM B = NBR			
		G0500 = PP5μm	$G7000 = PP70\mu m$ $G9999 = PP100\mu m$	V = FKM F = E-FKM			

Eg.=> HFD40S0050S

	Eg.=> 111 D-10000000		
Length	Me	dia	Seal Material
20 = 20" 40 = 40"	S0050 = GF0.5µm S0100 = GF1µm S0300 = GF3µm	S0500 = GF5μm S1000 = GF10μm S2000 = GF20μm	S = Silicon E = EPDM B = NBR
			V = FKM F = F-FKM

HFM Series

High Flow Pleated Cartridges



HFM Series High Flow Pleated Filter Cartridges

HFM Series High Flow Filter Cartridges are made of high performance media with horizontal pleat design that provides higher filtration area and longer service life. The media construction of multiple layers ensures the high dirt holding capacity with high efficiency per filter. The filter has a big diameter of 6.5inch/165mm. "Twist to lock" seating mecha-nism provides positive seal. One HFM filter replaces few standard 10" filter cartridges to reduce the operating costs and making change out quickly and easily for critical applica-tions. All the PP configuration with good chemical ensures the wide applications.



- Available in nominal structure, particle removal rating from 0.5 to 100 micron
- Horizontal pleat, high filtration area, high flow rate
- High performance fiber matrix with no adhesives or surfac-tants, non-fiber releasing to keep the high quality fluid, highly stable structure, and high dirt holding capacity
- 100% polypropylene components provide wide chemical compatibility, suitable for use in a variety of fluids
- Fewer cartridges required, reducing operating, saving space and system footprint
- The long service life results in low investment and less manpower in many applications

Applications

- Food & Beverage
- Process water(Pre-RO, Cooling...)
- Ground/Reclaimed/Wastewater
- Sea water desalination
- Oil & Chemical

- Power plant water treatment
- Machinery & Equipment
- Chemicals
- Refing(Amine, Final product)
- Machine coolants

Dimension

Outer Diameter 165 mm Length 40", 60"

Food Contact Compliance

- Material of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations 21CFR.
- Materials used to produce filter media and hardware meets the specifications for biological safety per USP Class VI-121C for plastics.
- Filter cartridges passed European Commission Directives (EU10/2011)

Material of Constructions

Media:PP

Support: PP

Cage / Core / End cap: PP

• Sealing: Silicone, EPDM, FKM, E-FKM

Performance

Operating Conditions

Max. Operating Temperature 80 °C

Max. Operating DP 3.0 bar@ 20 C

Recommended Change out

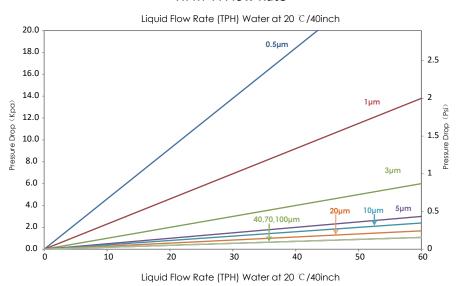
Differential Pressure 2.4 Bar@20°C

Quality

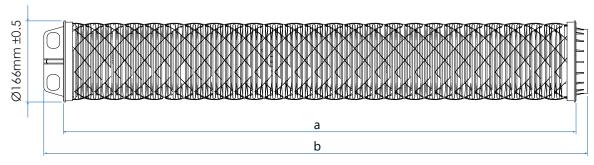
- Manufactured in a clean room environment
- Manufactured according to ISO9001:2015 certified Quality Management System

Flow rate

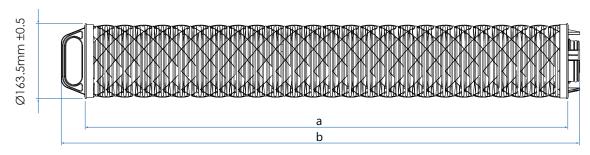
HFM A Flow Rate



Dimensions



	40"	60"
a	930.0±2	1548.0±3
b	995.0±2	1612.0±3



	40"	60"
a	1043.0±2	1553.0±3
b	1117.0±2	1627.0±3

Eg.=> HFMG0050PAB40S

ORDERING INFORMATION							
Media Type	Hardware Material	End Cap Type	Appearance	Length	Seal Material		
G = PP G0050 = PP0.5μm G0100 = PP1μm G0300 = PP3μm G0500 = PP5μm G1000 = PP10μm G2000 = PP20μm G4000 = PP40μm G7000 = PP70μm G9900 = PP100μm	P = PP	A = In-line handle and big outlet B = Cross handle and small outlet	B = Netting C = Cage	40 = 40" 60 = 60"	S = Silicon E = EPDM V = FKM F = E-FKM		

HFP Series

High Flow Pleated Cartridges



HFP Series High Flow Pleated Filter Cartridges

HFP Series High Flow Pleated Filter Cartridges are single open-ended cartridges in 6.7 inch diameter with outside to inside flow pattern. It offers a high flow rate solution with quick changes for advanced water filtration systems including industrial and commercial osmosis type water and sea water filtration. It provides a cost effective alternative to 2.5 inch OD style filter cartridges in high flow applications.



- Available in economic/nominal/absolute structure, particle removal rating from 0.5 to 100
 Micron
- 100% polypropylene components provide broad chemical compatibility, suitable for a variety of fluids
- High dirt holding capacity and longer service life

Applications

- Food & Beverage
- RO Pre-Filtration
- Process Water
- Wastewater

- Sea water desalination
- Oil&Chemical
- Power plant water treatment
- Machinery&Equipment

Dimension

Outer Diameter 172 mm Inner Diameter 76mm Length 40", 60"

Material of Constructions

Media: Polypropylene
Support: Polypropylene
Endcap Material: Polypropylene
Sealing: Buna

Performance

Max Operating TemperatureMax Operating DP

Quality

- Manufactured in a clean room environment
- Manufactured according to ISO9001:2015 certified Quality Management System

Food Contact Compliance

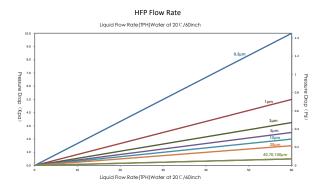
 Material of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations 21CFR.

82 °C

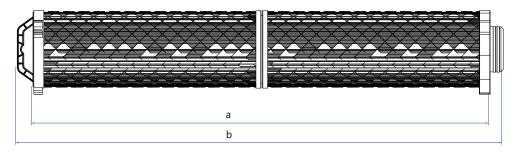
35Psid

- Materials used to produce filter media and hardware meets the specifications for biological safety per USP Calss VI-121 °C for plastics.
- Filter cartridges passed European Commission Directives (EU10/2011)

Flow rate



Dimensions



	40"	60"
a	1016.0±2	1080.0±2
b	1525.0±2	1589.0±2

Ea.=> HFPAG0050P40SP

ORDERING INFORMATION						
Grade	Media Type(PP)	Hardware Material	Length	Seal Material	Core	
HFPA = Absolute HFPN = Nominal HFPE = Economic	$G0050 = 0.5\mu m$ $G0100 = 1\mu m$ $G0300 = 3\mu m$	P = PP	40 = 40" 60 = 60"	S = Silicon E = EPDM V = FKM	P = PP	
	G0500 = 5μm G1000 = 10μm G2000 = 20μm			F = E-FKM		
	G4000 = 40μm G7000 = 70μm G9900 = 100μm					

CHD Series

High Flow Filter Housing

High Flow Filter Housing

High flow filter housing are designed to accommodate our HFH series filter cartridge and mainly used for large fluid flow rate applications, especially in water treatment. Our high flow filter housings are available in a variety of sizes from 1 to 7 filter elements in length of 20-inch, 40-inch and 60-inch lengths. SS high flow cartridge housing is manufactured by high quality SS304 or SS316L, suitable for high temperature, acid, alkali and chemical resistance filtration systems. The horizontal option to maximize ease of operation, or the vertical to minimize the system's footprint is available. Our housings are available in standard designs, as well as custom-izable configurations to suit your specific needs.



Features

- It adopts sanitary housing body, internal: Ra $\!<\!0.6~\mu$ m, suitable for various filtering requirements
- It can be used with large size cartridges for high volume liquid filtration which has low cost-investment and high filtration efficiency
- Vertical and horizontal type can be provided according to customer requirements

Applications

- For general use: pre-filtration of RO system
- Water treatment: filtration of process water, condensed water, cooling water and waste water etc
- Chemical industry: filtration of acid and alkaline liquids, solvents, chilled water and saline water etc
- Power and energy: condensed water filtration in power plants etc

Surface Finish

Finish Type Passivated, Electropolished, Mechpolished, Sand blasting

Polishing Type Internal: Ra ≤ 0.6µm

External: $Ra \le 0.8 \mu m$

Material

Filter Shell 304, 316L 304, 316L Vent Valve

304 Eyebolt 304 Leg

Silicone, FKM, EPDM Seal Material

Operating Conditions

Design Pressure 0.6Mpa (6bar) 150°C

Max. Operating Temperature

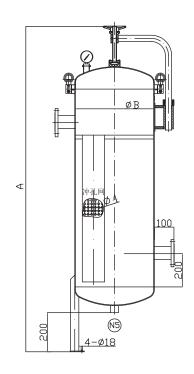
Connection

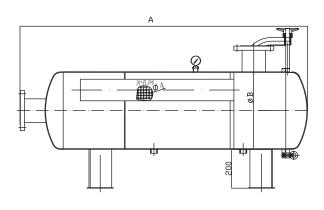
Eyebolt Shell Connection

Inlet & Outlet Tri-clamp / Flange G

1/4" bottom Pressure Gauge Type

Drawing







Dimension

			Single round				2 round				3 round			
)			Vertical		Horizontal		Vertical		Horizontal		Vertical		Horizontal	
		40"	60"	40"	60"	40"	60"	40"	60"	40"	60"	40"	60"	
Α	Total height (except pressure gauge)	1950	2450	2000	2500	1950	2450	2000	2500	1950	2450	2000	2500	
В	Diameter	219	219	219	219	400	400	400	400	450	450	450	450	

			4 round				5 round				6 round			
			Vertical		Horizontal		Vertical		Horizontal		Vertical		Horizontal	
		40"	60"	40"	60"	40"	60"	40"	60"	40"	60"	40"	60"	
Α	Total height (except pressure gauge)	1950	2450	2000	2500	1950	2450	2000	2500	1950	2450	2000	2500	
В	Diameter	500	500	500	500	550	550	550	550	600	600	600	600	

			8 rou	nd		10 round					
		Vertical		Horizontal		Verti	cal	Horizontal			
		40"	60"	40"	60"	40"	60"	40"	60"		
Α	Total height (except pressure gauge)	1950	2450	2000	2500	1950	2450	2000	2500		
В	Diameter	700	700	700	700	800	800	800	800		

Eg.=> CHDHJ0120T20SEEX

nection S	Shell Material	OTV.				ORDERING INFORMATION											
	onon matorial	QTY	Length	Inlet&Outlet	Seal Material	Surface Finish (inside)	Surface Finish (ioutside)	Design Pressure									
		01 = 1	20 = 20"	T20=TC 3/4"	S = Silicone	E = Electropolished	E = Electropolished	X=Vertical inner pressure									
					E = EPDM	M = Mechpolished	M = Mechpolished	Y=Horizontal inner pressure									
L			60 = 60 ^{II}		V = FKM	P = Passivated	S = Sand blasting	W=Vertical outer pressure									
								Z=Horizontal outer pressure									
				o o													
				o o	п												
		10 = 10		o o													
				0													
	k	K = 316L L = Carbon steel	K = 316L 02 = 2	K = 316L	K = 316L 02 = 2 40 = 40" T25=TC 1" L = Carbon steel 03 = 3 60 = 60" T32=TC 1.25" 04 = 4 T40=TC 1.5" 05 = 5 T50=TC 2" 06 = 6 F20=Flange 3/4" 08 = 8 F25=Flange 1" 10 = 10 F32=Flange 1.25	K = 316L 02 = 2 40 = 40" T25=TC 1" E = EPDM V = FKM L = Carbon steel 03 = 3 60 = 60" T32=TC 1.25" V = FKM 04 = 4 T50=TC 2" 06 = 6 F20=Flange 3/4" 08 = 8 F25=Flange 1" 10 = 10 F32=Flange 1.25" F40=Flange 1.5"	K = 316L	K = 316L									









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PRODUCT COLLECTION - High flow filter

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