



**VENS HYDROLUFT**  
FILTRATION SEPARATION

## COMPANY PROFILE

Serving global industrial customers with high-quality products, innovative technology and excellent service.

**VENS HYDROLUFT**, adhering to the vision of “becoming a world-class filtration company in the green carbon era,” is continuously committed to serving global industrial customers with the highest quality products and innovative technologies. We strive for excellence, providing the most professional liquid and air filtration solutions. We strictly comply with international regulations and standards, having successfully passed ISO 9001:2015 quality management system certification, ISO 14001:2015 environmental management system certification, ASME, PED pressure vessel certification, FDA and EU food safety regulations; ASHRAE 52.2, EN 779, EN 1822, and ISO 16890 air filtration standards, ensuring that our filtration technology and products meet the regulations of various countries or regions and are recognized and promoted globally.

Our research and development team is dedicated to the innovation and development of filtration technology. We have established long-term stable cooperation with globally renowned authoritative institutions, providing comprehensive technical analysis reports to our global customers. We collaborate with well-known filtration brands worldwide to continuously explore new materials, technologies, and processes, pushing the boundaries of filtration technology. This allows us to offer more efficient, environmentally friendly, and sustainable filtration products and solutions, genuinely helping customers reduce their carbon footprint.

Vens Hydroluft is not just a provider of filtration products but also an active participant in environmental protection. We are willing to contribute our modest efforts to the greening of the Earth.

Let us join hands and walk together to achieve a greener world and show care for our planet.

[www.skimmer.co.in](http://www.skimmer.co.in)

## LIQUID FILTRATION CONTENTS

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Vens Hydroluft, a leading manufacturer based in Chennai, India, specializes in the production of high-quality wound and spun cartridge filters. These filters are widely recognized for their superior performance in filtration across various industries, including water treatment, chemicals, pharmaceuticals, and food and beverage processing. Engineered with precision, Vens Hydroluft's filters are designed to remove particulate contaminants, offering an efficient and cost-effective solution for fluid purification.

The wound cartridge filters are meticulously crafted by winding continuous fibers in a pattern that maximizes dirt-holding capacity, while the spun filters are manufactured using state-of-the-art technology to form a seamless structure for superior filtration efficiency. With a focus on durability, reliability, and customization to meet diverse application needs, Vens Hydroluft ensures that its filtration products adhere to stringent quality standards, making them a trusted choice for clients seeking clean and contaminant-free fluids.



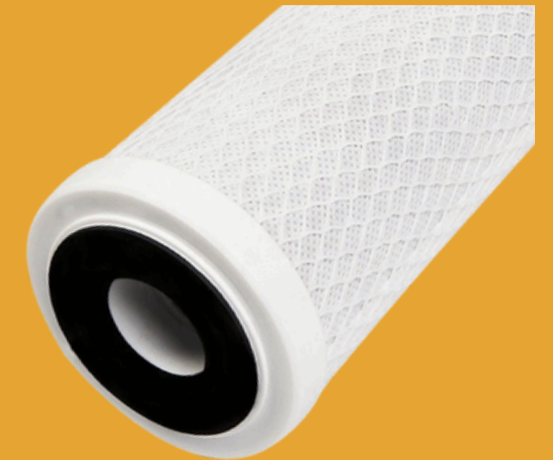
**AquaFil**

STRING WOUND FILTER CARTRIDGE- AquaFil



**HydroFil**

MELT-BLOWN FILTER CARTRIDGE- HydroFil



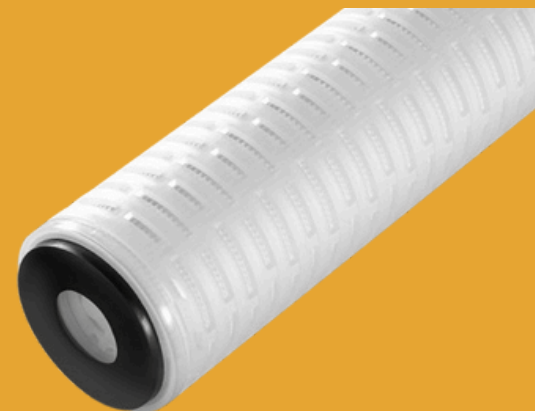
**CarboFil**

ACTIVATED CARBON FILTER CARTRIDGE- CarboFil



**SulfoFil**

PES SERIES PLEATED FILTER CARTRIDGE- SulfoFil



**NylonFil**

NYLON 66 PLEATED FILTER CARTRIDGE- NylonFil



**SulfoFil X**

GF SERIES PLEATED FILTER CARTRIDGE- SulfoFil X



**PermeaFil**

HF SERIES PLEATED FILTER CARTRIDGE- PermeaFil



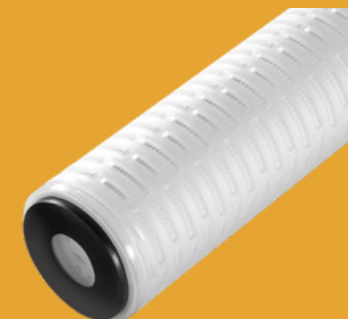
**PolyFil**

PPMC SERIES PLEATED FILTER CARTRIDGE- PolyFil



**FlouroFil**

PTFE SERIES PLEATED FILTER CARTRIDGE- FlouroFil



**FlouroFil X**

PTFE SERIES PLEATED FILTER CARTRIDGE- FlouroFil X



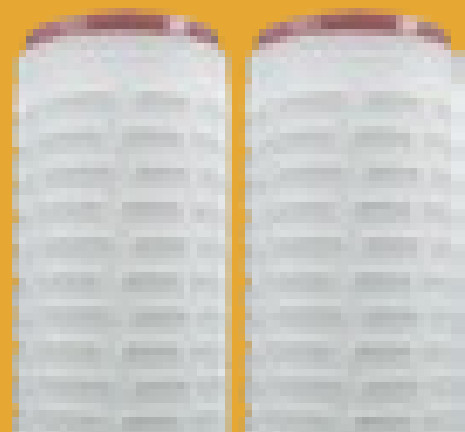
**FlouroFil K**

PFA SERIES PLEATED FILTER CARTRIDGE- FlouroFil K



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## Connector/End Cap of Filter Element



DOE+DOE



Flat+215



Flat+226



Flat+222



226+Fin (triangle)



222+Fin (triangle)



226+Fin (semicircular)



222+Fin (semicircular)

# STRING WOUND FILTER CARTRIDGE(AquaFil)



## Product Description

### No Fiber Release

AquaFil series is formed by winding the polypropylene fiber on the central core in the specific way. Different filtering precision can be achieved by controlling the winding density.

It can effectively remove suspended solids, particles, rust and other impurities in the fluid, and has an excellent deep filtration effect. It can be used in many different types of applications due to the many different combinations of filter materials.

### Features

- High structural stability no fiber release
- No added adhesives
- High flux, low resistance
- Excellent chemical compatibility

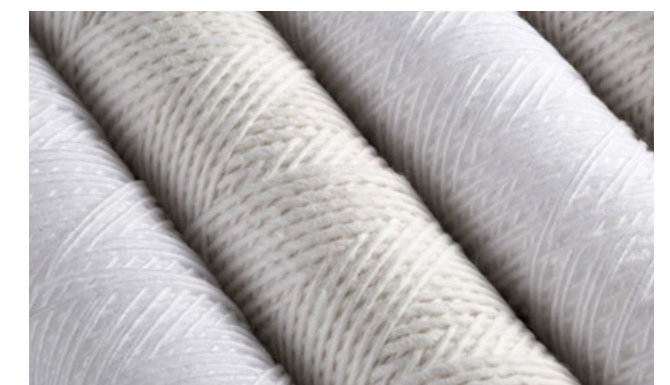
### Technical Data

Product code	Retention ratings (µm)	Size (inch)	ID/OD (mm)	Max.differential pressure (bar)	Max. temp. (°C)
AquaFil-P	1,3,5,10, 25,50,75, 100,150	5",10",20",30",40"	28/62	2.5@30°C	80
AquaFil-C	1,3,5,10, 25,50,75, 100,150	5",10",20",30",40"	28/62	2.5@30°C	80

## Applications



Material	Polypropylene/Absorbent cotton
Max, operating temperature	Polypropylene <90°C; Absorbent cotton<150°C
Max. differential pressure	2.5 bar
Recommended change-out pressure	0.8~1.5 bar



# MELT-BLOWN FILTER CARTRIDGE(HydroFil)



## Standard Melt Blown Filter Cartridge(HydroFil-S)

### Product Description

#### Pre-filtration / No Added Adhesives

HydroFil-S series is made of pure polypropylene fiber. The dual-layer fiber structure that is dense inside and sparse outside with gradually different pore size, allowing the particles of different sizes blocked by different layers. It features high strength, high dirt resistance, low pressure drop, etc.

HydroFil-S is widely used in pure water pre-filtration, desalination, food and more.

### Features

- 100% pure polypropylene
- High structural stability no fiber release
- High flux, low resistance
- Excellent chemical compatibility
- large dirt-holding capacity

### Technical Data

Product code	Retention ratings (µm)	Size (inch)	ID/OD (mm)	Max. differential pressure (bar)	Max. temp. (°C)
Hydro Fil-S	1,3,5,10, 25,50, 75,100, 150	5",10", 20",30 ",40"	28/69	4,0@21 2,4@80	80

## High Strength Melt Blown Cartridge(HydroFil-H)

### Product Description

#### High Strength/High Structural Stability

HydroFil-H series is made of 100% polypropylene melt-blown fiber with orange peel texture to enhance the filter area and strength. It features high pressure resistance, high flux, good filtering performance, etc. It is especially applicable to high viscosity liquid filtration.

HydroFil-H is widely used in food and beverages, biological pharmacy, microchemical engineering, microelectronics and more.

### Features

- 100% polypropylene with orange peel texture
- High structural stability no fiber release
- High flux, low resistance
- Excellent chemical compatibility
- large dirt-holding capacity

### Technical Data

Product code	Retention ratings (µm)	Size (inch)	ID/OD (mm)	Max. differential pressure (bar)	Max. temp. (°C)
Hydro Fil-H	1,3,5,10, 25,50, 75,100, 150	5",10", 20",30 ",40"	28/69	4,0@21 2,4@80	80

## Absolute Accuracy Melt Blown Filter Cartridge(HydroFil-M)

### Product Description

#### Absolute Accuracy/High Dirt-holding Capacity

HydroFil-M series is made of 100% micro polypropylene fiber, the fine grain finish extends the contact surface much larger than the ordinary melt-blown cartridge. The dual-layer fiber structure that is dense inside and sparse outside with gradually different pore size, allowing the particles of different sizes blocked by different layers, blocking rate is up to 99%. It features high efficiency, high strength, high dirt-holding capacity, and low pressure drop.

HydroFil-M is widely used in food and beverages, biopharmaceuticals, petrochemicals, electronics and more.

### Features

- 100% micro polypropylene
- Filter efficiency greater than 99%
- High flux, low resistance
- Excellent chemical compatibility
- large dirt-holding capacity

### Technical Data

Product code	Retention ratings (µm)	Size (inch)	ID/OD (mm)	Max. differential pressure (bar)	Max. temp. (°C)
Hydro Fil-M	1,3,5,10, 25,50, 75,100, 150	5",10", 20",30 ",40"	28/69	4,0@21 2,4@80	80



# ACTIVATED CARBON FILTER CARTRIDGE (CarboFil)



## Product Description

### Excellent Adsorption for Chlorine and Organic Compounds

Ultra-fine activated carbon particles used in the activated carbon filter cartridges have excellent adsorption performance and can effectively filter harmful gases, remove peculiar smells, and part of heavy metal substances.

## Features

- Excellent adsorption and decomposability
- High structural stability no fiber release
- High flux, low resistance
- Excellent adsorption for chlorine and organic compounds
- No added adhesives
- Excellent chemical compatibility

## Technical Data

Product code	Retention ratings (µm)	Size (inch)	ID/OD (mm)	Max.differential pressure (bar)	Max. temp. (°C)
CarboFil-S	5,10,	5",10",20",30", 40"	28/70 28/115 30/65	7	52
CarboFil-F	0,5,1,5,10	10",20"	28/70 28/115 30/65	7	52

## Applications



Electroplating solvent

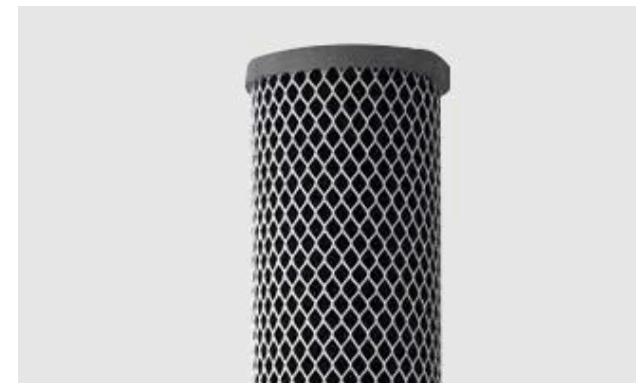


Dechlorination of drinking water



Process circulating water

Material	Activated carbon/ Coconut shell activated carbon
Max, operating temperature	52°C
Max. differential pressure	2.5 bar / 7 bar
Recommended change-out pressure	0.8~1.5 bar





# FILTER CARTRIDGES OVERVIEW



Filter Cartridges

## Technical Data

Series	Product Code	Membrane Material	Support Material	Caps/Gasket Material	End Fitting Options/ Outer Layer Material
HPMC	PolyFil	PP	PP	PP	DOE/222/226
	FlouroFil	Hydrophobic PTFE	PP	PP	DOE/222/226
	FlouroFil X	Hydrophilic PTFE	PP	PP	DOE/222/226
	FlouroFil K	PFA	PFA	PFA	DOE/222/226
	SulfoFil	PES	PP	PP	DOE/222/226
	NylonFil	Nylon 66	PP	PP	DOE/222/226
	SulfoFil X	Glass Fiber	PP	PP	DOE/222/226
	83HF	PP, PTFE, PES	PP	PP	DOE/222/226
130SHF	PP, PTFE, PES	PP	PP	DOE/222/226	
HMBC	HydroFil-S	PP	PP	Polypropylene	DOE/222/226
HSWC	AquaFil-P	PP	PP	Polypropylene	DOE/222/226
	AquaFil-C	Absorbent cotton	PP	Polypropylene	DOE/222/226
HACC	CarboFil-S	Activated carbon	PP	EPDM	PP
	CarboFil-F	Coconut shell activated carbon	PP	EPDM	PP

## Connector/End Cap Configuration



## Ordering Information

Series	Length	Retention Ratings	End Fitting Options	Seal Rings	Supporting Cores
PPMC: PP series pleated filter cartridge	05: 05 inch	0004: 0.04µm	A: DOE	B: NBR/BUNA-N	C: with core
O-PTMC: OPTFE series pleated filter cartridge	10: 10 inch	0010: 0.1µm	B: 222 flat	E: EPDM	N: no core
I-PTMC: IPTFE series pleated filter cartridge	20: 20 inch	0022: 0.22µm	C: 222 fin	FV/FS: FEP+V/FEP+S	
ATMC: PFA series pleated filter cartridge	30: 30 inch	0045: 0.45µm	D: 226 flat	S: Silicone	
PESMC: PES series pleated filter cartridge	40: 40 inch	0100: 01µm	E: 226 fin	V: Viton	
NY66MC: Nylon 66 series pleated filter cartridge		0300: 03µm			
GFMC: Glass Fiber series pleated filter cartridge		0500: 05µm			
83HF: PP, PTFE, PES series pleated filter cartridge		1000: 10µm			
130SHF: PP, PTFE, PES series pleated filter cartridge					

Series	Product Code	Retention Ratings (µm)	Length (Inch)	Max. Operating Temperature(°C)
HPMC	PolyFil	0.1, 0.22, 0.45, 0.8, 1, 5, 10, 25, 50, 100	5",10",20",30",40"	80
	FlouroFil	0.1, 0.22, 0.45	5",10",20",30",40"	80
	FlouroFil X	0.1, 0.22, 0.45	5",10",20",30",40"	80
	FlouroFil K	0.1, 0.22, 0.45	10",20",30",40"	170
	SulfoFil	0.04, 0.1, 0.22, 0.45, 0.65, 0.8, 1	5",10",20",30",40"	80
	NylonFil	0.22, 0.45	5",10",20",30",40"	80
	SulfoFil X	0.5, 1, 3, 5	5",10",20",30",40"	80
	83HF	0.04, 0.1, 0.22, 0.45, 0.8, 1, 5, 10, 25, 50, 100	10"	80
130SHF	0.04, 0.1, 0.22, 0.45, 0.8, 1, 5, 10, 25, 50, 100	10"	80	
HMBC	HydroFil-S	1, 3, 5, 10, 25, 50, 75, 100, 150	5",10",20",30",40"	80
HSWC	AquaFil-P	1, 3, 5, 10, 25, 50, 75, 100, 150	5",10",20",30",40"	80
	AquaFil-C	1, 3, 5, 10, 25, 50, 75, 100, 150	5",10",20",30",40"	80
HACC	CarboFil-S	5, 10	5",10",20",30",40"	80
	CarboFil-F	0.5, 1, 5, 10	5",10",20",30",40"	80



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# PPMC SERIES PLEATED FILTER CARTRIDGE(PolyFil)



## Product Description

### Gradient Aperture Structure

PPMC series pleated filter cartridge is made of asymmetric gradient aperture polypropylene filter membrane, through advanced hot melt sealing technology under the associated controlled clean environment, without any adhesives or surfactants.

It features extensive chemical compatibility, high flow rate, low pressure drop, economical and environment-friendly.

PPMC series is optimized for the wide range of acid, alkali, salt and other corrosive liquid filtration, pharmaceutical industry, food and beverage industry, petrochemical engineering, electronic chemicals, etc.

### Features

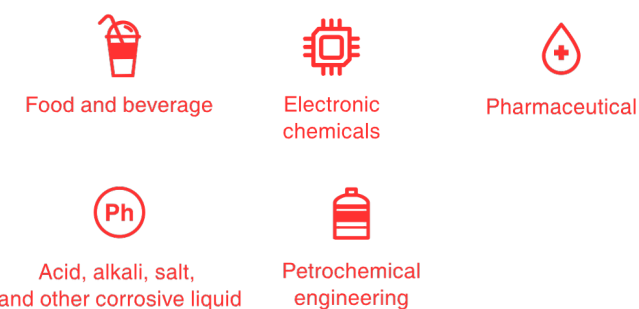
- Extensive chemical compatibility
- Gradual aperture structure filter membrane ensures an efficient pre-filtration
- 100% polypropylene structure material, without any adhesives and surfactants
- High flow rate, high dirt load, low pressure drop. and long service life.

### Technical Data

Product code	Retention ratings (μm)	Filter area (m2)	Length (inch)	Diameter (mm)	Max.operating temp (°C)
PPMC	0.1, 0.22, 0.45, 1.5, 10, 25, 50, 100	0.65	5", 10", 20", 30", 40"	2.75"-69	80

Max. differential pressure	Sterilization method(°C/30min)	Typical flow rate (m3/h)
Positive: 0.4MPa/25°C Negative: 0.2MPa/25°C	Steam sterilization: 121 Flowing-water sterilization: 85	0.5

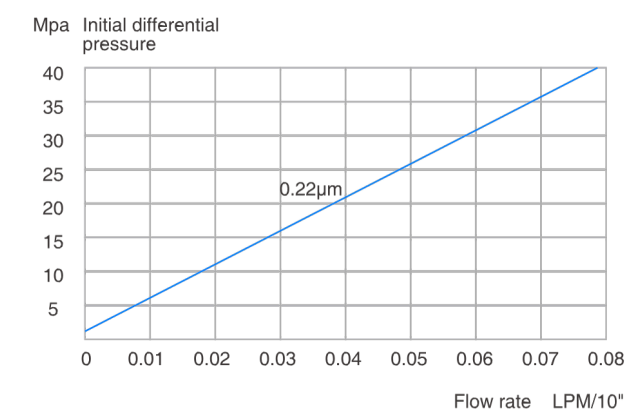
## Applications



## Structural Material

Filter medium	PP
Support	PP
Core/ Cage	PP
End cap	PP
Connection	DOE, 222-Flat, 226-Flat, 222-Fin, 226-Fin, 222-Fin(304BI), 226-Fin(304BI)
Seal rings options	BUNA, EPDM, Silicon, Viton

## Flow Rate characteristics







# PTFE SERIES PLEATED FILTER CARTRIDGE(FlouroFil)



## Product Description

### Excellent Hydrophilic Performance

FlouroFil series pleated filter cartridge is made of imported modified hydrophobic polytetrafluoroethylene filter membrane through advanced hot melt sealing technology under the associated controlled clean environment without any adhesives or surfactants. The modified hydrophobic PTFE filter cartridge strictly controls the metal ion dissolution and has high resistance of repeated high-pressure disinfection and steam sterilization. It features extensive chemical compatibility (strong acid and strong alkali resistance), high temperature resistance, low dissolution, low adsorption etc.

FlouroFil series is suitable for the filtration process of ultra-pure water, acid, alkali, salt, and other corrosive liquid filtration, high temperature liquid, and also nitrogen, argon and other gas filtration in the chemical, pharmaceutical, food and beverage, electronic chemicals and other industries.

### Features

- Excellent high temp. resistance and extensive chemical compatibility
- Excellent particle capture performance, particle interception efficiency is up to 99.99%
- Passed the bacterial challenge test, LRV>7.
- Natural strong hydrophobic structure, applicable for the absolute gas sterilization and filtration
- High flux, low extractables, low pressure drop, and long service life

### Technical Data

Product code	Retention ratings (μm)	Filter area (m <sup>2</sup> )	Length (inch)	Diameter (mm)	Max. operating temp (°C)
FlouroFil	0.1, 0.22, 0.45,	0.65	5", 10", 20", 30", 40"	2.75"-69	80

Max. differential pressure	Sterilization method(°C/h)	Typical flow rate (Nm <sup>3</sup> /h)
Positive: 0.4MPa/25°C Negative: 0.2MPa/25°C	121°C/100h, 140°C/40h	0.1μm: > 180 0.22μm: ≥330 0.45μm: ≥ 400 Remark: P=0.2MPa, AP=0.01MPa, 10", 20°C

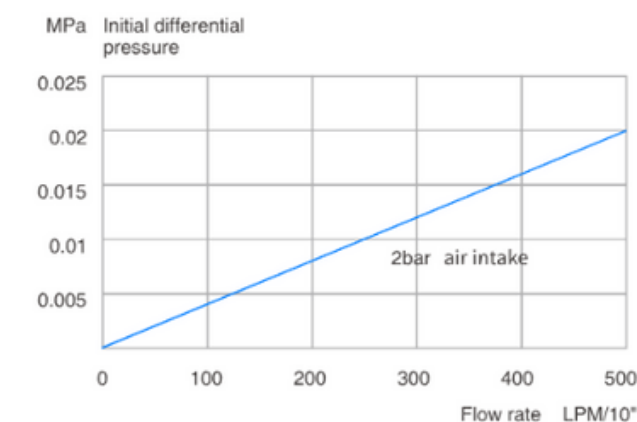
## Applications



## Structural Material

Filter medium	PTFE
Support	PP
Core/ Cage	PP
End cap	PP
Connection	DOE, 222-Flat, 226-Flat, 222-Fin, 226-Fin, 222-Fin(304BI), 226-Fin(304BI)
Seal rings options	BUNA, EPDM, Silicon, Viton

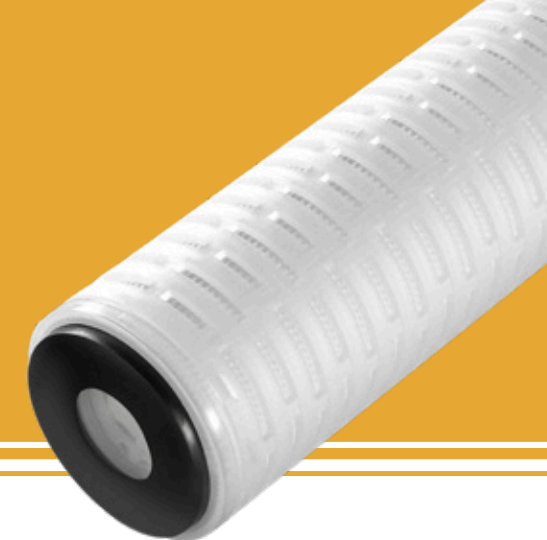
## Flow Rate characteristics





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# PTFE SERIES PLEATED FILTER CARTRIDGE( FlouroFil X)



## Product Description

### Excellent Hydrophilic Performance

FlouroFil X series pleated filter cartridge is made of imported hydrophilic modified polytetrafluoroethylene filter membrane through advanced hot melt sealing technology under the associated controlled clean environment without any adhesives or surfactants. The modified hydrophilic PTFE filter cartridge can directly filter aqueous solutions without pre-wetting.

It features extensive chemical compatibility (strong acid and strong alkali resistance), high temperature resistance, low temperature resistance, low extractables, low adsorption, etc.

FlouroFil X series is suitable for the filtration process of high pure liquid filtration, acid, alkali, salt, and other corrosive liquid filtration, high temperature liquid in the chemical, pharmaceutical, food, electronic chemical and other industries.

### Features

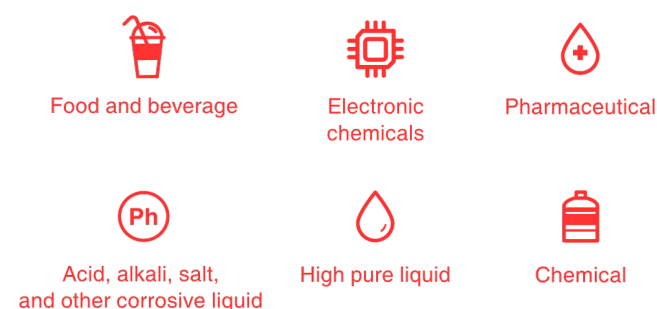
- Excellent high temperature resistance and extensive chemical compatibility.
- Excellent particle capture performance, particle interception efficiency is up to 99.99%
- The limitations of integrity were correlated with the results of bacterial challenge testing
- Passed the bacterial challenge test,LRV>7.
- Strong hydrophilic structure, easy to operate without pre-wetting
- High flux, high flow rate, low extractables, low pressure drop. and long service life

### Technical Data

Product code	Retention ratings (µm)	Filter area (m²)	Length (inch)	Diameter (mm)	Max.operating temp (°C)
FlouroFil X	0.1, 0.22, 0.45,	0.65	5",10",20",30",40"	2.75"-69	80

Max. differential pressure	Sterilization method(°C/h)	Typical flow rate (Nm³/h)
Positive: 0.4MPa/25°C Negative: 0.2MPa/25°C	121°C/100h,140°C/40h	0.5

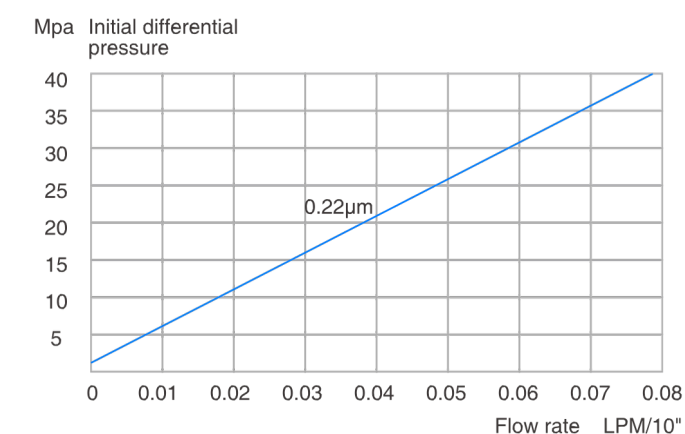
## Applications



## Structural Material

Filter medium	PTFE
Support	PP
Core/ Cage	PP
End cap	PP
Connection	DOE, 222-Flat, 226-Flat, 222-Fin, 226-Fin, 222-Fin(304BI), 226-Fin(304BI)
Seal rings options	BUNA, EPDM, Silicon, Viton

## Flow Rate characteristics





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# PFA SERIES PLEATED FILTER CARTRIDGE(FlouroFil K)



## Product Description

### Excellent Alkali Resistance

FlouroFil K series pleated filter cartridge is made of polytetrafluoroethylene membrane and perfluoropolymer structure under the associated controlled clean environment, without any adhesives or surfactants.

It features high flux, high flow rate, long service life, high temperature resistance, oxidation resistance, anti-corrosion, excellent retention efficiency (0.003µm) and extremely extensive chemical compatibility.

FlouroFil K series is suitable for the filtration of various acids, alkali, organic solvents and other chemicals in semiconductor chemistry, as well as the filtration of etching, cleaning, photoresist, developer and other strong oxidizing liquids and the filtration of gases in microelectronics.

### Features

- Excellent extensive chemical compatibility
- High flux, high flow rate, long life, high temp.resistance
- The limitations of integrity we- re correlated with the results of bacterial challenge testing
- Passed the bacterial challenge test,LRV>7.
- Natural hydrophilic structure, easy to operate without pre-wetting
- Double membrane structure,absolute bacterial retention efficiency

### Technical Data

Product code	Retention ratings (µm)	Filter area (m <sup>2</sup> )	Length (inch)	Diameter (mm)	Max.differential pressure	Max.operating temp (°C)
FlouroFil K	0.1, 0.22, 0.45,	0.7	10",20",30",40"	2.75"-69	0.4MPa/50°C 0.3MPa/110°C 0.15MPa/170°C	170

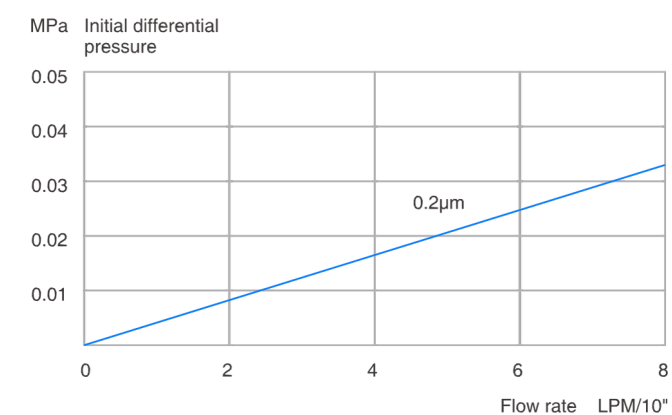
## Applications



## Structural Material

Filter medium	PFA
Support	PFA/ECTFE
Core/ Cage	PFA
End cap	PFA
Connection	DOE, 222-Flat, 226-Flat, 222-Fin, 226-Fin, 222-Fin(304BI), 226-Fin(304BI)
Seal rings options	BUNA, EPDM, Silicon, Viton

## Flow Rate characteristics





# PES SERIES PLEATED FILTER CARTRIDGE(SulfoFil)



## Product Description

### Excellent Interception Capacity

SulfoFil series pleated filter cartridge is made of hydrophilic asymmetric gradient aperture PES filter membrane and PP components through advanced hot melt sealing technology under the associated controlled clean environment, without any adhesives or surfactants. PES Pleated filter cartridge has high resistance of repeated steam sterilization and hot water disinfection.

It features large filtration area, high flux, high dirt holding resistance, low protein binding, excellent intercepting capacity, etc. It can also effectively remove particles, impurities, bacteria and other pollutants in liquid or gas.

SulfoFil series is suitable for filtration of ultra-pure water, weak acid, weak alkali and weak oxidizing solvent, etc.

### Features

- Extensive chemical compatibility
- High flux, high dirt load, low pressure drop, low protein binding, excellent intercepting capacity
- Passed the bacterial challenge test, LRV > 7.
- The limitations of integrity were correlated with the results of bacterial challenge testing

### Technical Data

Product code	Retention ratings (µm)	Filter area (m <sup>2</sup> )	Length (inch)	Diameter (mm)	Max.differential pressure	Max.operating temp (°C)
SulfoFil	0.04, 0.1, 0.22, 0.45, 0.65, 0.8, 1	0.65	10", 20", 30", 40"	2.75"-69	Positive: 0.4MPa/25°C Negative: 0.2MPa/25°C	85

Minimum bubble point of integrity test data (IPA/Water)	Diffusional flow of integrity test data	Sterilization method (°C/30min)
Single Layer: 0.1µm: ≥ 0.38MPa 0.22µm: ≥ 0.32MPa 0.45µm: ≥ 0.24MPa  Double Layers: (0.1+0.1)µm: ≥ 0.40MPa (0.22+0.22)µm: ≥ 0.36MPa	(0.22+0.22)µm: ≤ 30 ml/min@2.8 bar	121°C

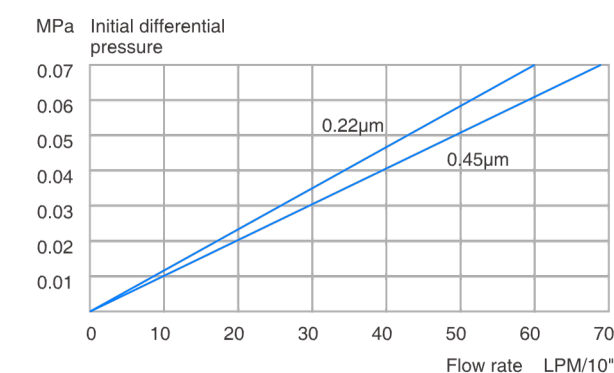
## Applications



## Structural Material

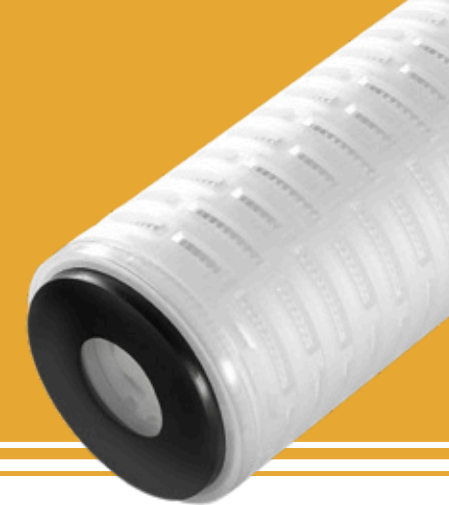
Filter medium	PES
Support	PP
Core/ Cage	PP
End cap	PP
Connection	DOE, 222-Flat, 226-Flat, 222-Fin, 226-Fin, 222-Fin(304BI), 226-Fin(304BI)
Seal rings options	BUNA, EPDM, Silicon, Viton

## Flow Rate characteristics





# NYLON 66 PLEATED FILTER CARTRIDGE( NylonFil)



## Product Description

### Excellent Alkali Resistance

NylonFil pleated filter cartridge is made of natural hydrophilic nylon membrane with high porosity through advanced hot melt sealing technology under the associated controlled clean environment, without any adhesives or surfactants.

It features high flux, high absorption, low dissolution, long service life and excellent alkali resistance, etc.

NylonFil series is suitable for the filtration of alkaline organic solvents filtration, industrial ultra-pure liquid filtration and ultra-pure chemical industry, etc.

### Features

- Excellent alkali resistance
- High flux, high adsorption, low extractables, and long service life
- High tensile strength, applicable for high impurity and high viscosity.
- Passed the bacterial challenge test, LRV > 7.
- Natural hydrophilic structure, easy to operate without pre-wetting
- The limitations of integrity were A correlated with the results of bacterial challenge testing

### Technical Data

Product code	Retention ratings (μm)	Filter area (m <sup>2</sup> )	Length (inch)	Diameter (mm)	Max.differential pressure	Max.operating temp (°C)	Sterilization method (°C/30min)
NylonFil	0.22,0.45	0.65	5",10",20",30",40"	2.75"-69mm	0.4MPa/21°C Negative: 0.2MPa/21°C	80	121

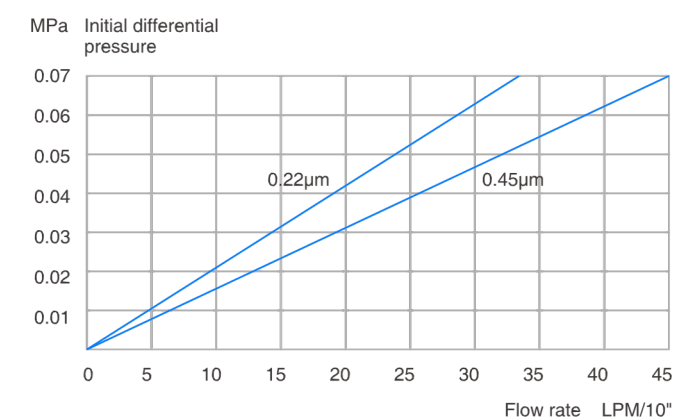
## Applications



## Structural Material

Filter medium	Nylon 66
Support	PP
Core/ Cage	PP
End cap	PP
Connection	DOE, 222-Flat, 226-Flat, 222-Fin, 226-Fin, 222-Fin(304BI), 226-Fin(304BI)
Seal rings options	BUNA, EPDM, Silicon, Viton

## Flow Rate characteristics





**VENS HYDROLUFT**  
FILTRATION SEPARATION

# GF SERIES PLEATED FILTER CARTRIDGE(SulfoFil X)



## Product Description

### Economical and Environmentally Friendly

GF series pleated filter cartridge is made of high porosity glass fiber (GF) membrane and polypropylene components under the associated controlled clean environment, without any adhesives or surfactants.

It features high flux, high dirt holding resistance, high interception, low extractables, low pressure drop and long service life, etc.

GF series is mainly suitable for pre-filtration of liquids containing colloids and high viscosity, such as lubricating oil and catalyst, viscose, chemical solution filtration, biomedical filtration, various organic solvents, acid lye filtration, electrophoretic paint, pretreatment liquid and pure water filtration.

## Features

- Excellent high temp. resistance and extensive chemical compatibility
- Excellent particle retention efficiency
- High flux, High dirt load, high interception, low extractables, long service life

## Technical Data

Product code	Retention ratings (µm)	Filter area (m <sup>2</sup> )	Length (inch)	Diameter (mm)	Max.differential pressure	Max.operating temp (°C)
GF	0.5,1,3,5	0.65	5",10",20",30",40"	2.75"-69mm	02MPa/80°C	80

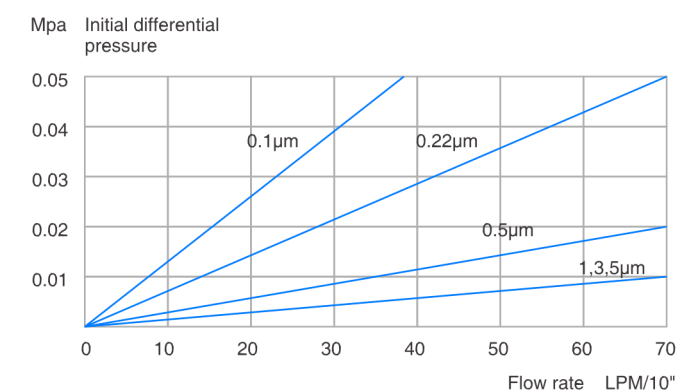
## Applications



## Structural Material

Filter medium	Glass Fiber
Support	PP
Core/ Cage	PP
End cap	PP
Connection	DOE, 222-Flat, 226-Flat, 222-Fin, 226-Fin, 222-Fin(304BI), 226-Fin(304BI)
Seal rings options	BUNA, EPDM, Silicon, Viton

## Flow Rate characteristics





# HF SERIES PLEATED FILTER CARTRIDGE(PermeaFil)



## 83HF Series Pleated Filter Cartridge (83HF)

### Product Description

#### High Throughput / Wide Precision

83HF series pleated filter cartridge can be made of PP, PES or PTFE membrane under the associated controlled clean environment, without any adhesives or surfactants. The flow rate is up to 100L/min.

It features high throughput, high dirt holding resistance and wide precision.

83HF series is mainly used in the electronic industry liquid crystal wet process, semiconductor process and chemical industry organic solution filtration, pure water preparation and other large flow liquid filtration fields.

### Features

- A variety of filter membranes are available
- High throughput, high dirt load and wide precision

### Technical Data

Product code	Retention ratings (μm)	Filter area (m <sup>2</sup> )	Length (inch)	Diameter (mm)	Max.differential pressure	Typical flow rate
83HF	0.02-80	1.45	10"	3.2"-83	0.4MPa/21°C 0.32MPa/60°C 0.24MPa/80°C	100L/min

## 130SHF Series Pleated Filter Cartridge (130SHF)

### Product Description

#### Ultra-large Filter Area

130SHF series pleated filter cartridge can be made of PP, PES or PTFE membrane under the associated controlled clean environment, without any adhesives or surfactants. The flow rate is up to 200L/min.

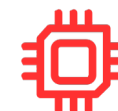
It features ultra-high throughput, ultra-large filtration area and wide precision, etc.

130SHF is suitable for filtration of high generation liquid crystal display (LCD) manufacturing process.

### Applications



Pure water



Semiconductor



Liquid crystal wet process



organic solution

### Technical Data

Product code	Retention ratings (μm)	Filter area (m <sup>2</sup> )	Length (inch)	Diameter (mm)	Max.differential pressure	Typical flow rate
130SHF	0.02-80	2	10"	5.2"-130	0.4MPa/21°C 0.32MPa/60°C 0.24MPa/80°C	200L/min