

Applications



Automotive



Pharmacy



Petrifaction



Chemistry



Resin/Ink



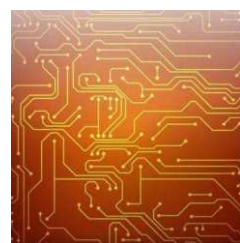
Lacquer



Beverage



Water Treatment



Electronics



Metal part cleaning



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E-mail: info@jpsgroup.se

Filtration Purification Separation



ZHENXING

Filter Cartridge

We are experts in designing and manufacturing:

Filter cartridges

Liquid and Air Filter Bags

Filter media

Filter systems



TianTai Zhenxing Filtech Co., Ltd

COMPANY PROFILE

Established In 1989 Zhenxing Filtech Co., Ltd became an international well-known manufacturer of filter media and filter system for Air, Liquid and Gas Filtration and separation.

We have Non-woven felt production line, Woven steel mesh production line, Filter cartridge production line and Filter housing production line. We have invested in advanced test and analysis machines so we can offer our clients innovative and the best solutions. In cooperation with our clients we design and manufacture the filtration systems based on the clients design and requests. We want to create a long term relationship with our customers and that is why we continually invest in the latest technology to meet the clients growing demand. Our manufacturing plant is located in Tiantai City, Zhejiang province approx. 3 hours from Shanghai and we have an European Sales Office so we can follow up projects locally in Europe. We invest in beeing a trusted and reliable partner within the air & liquid filtration industry.

We have a 2000m2 dust free production plant and we are ISO9001 certified with quality control systems in place to make sure the products and material we produce lives up to our clients high standards. All material is RoHS & REACH certified.



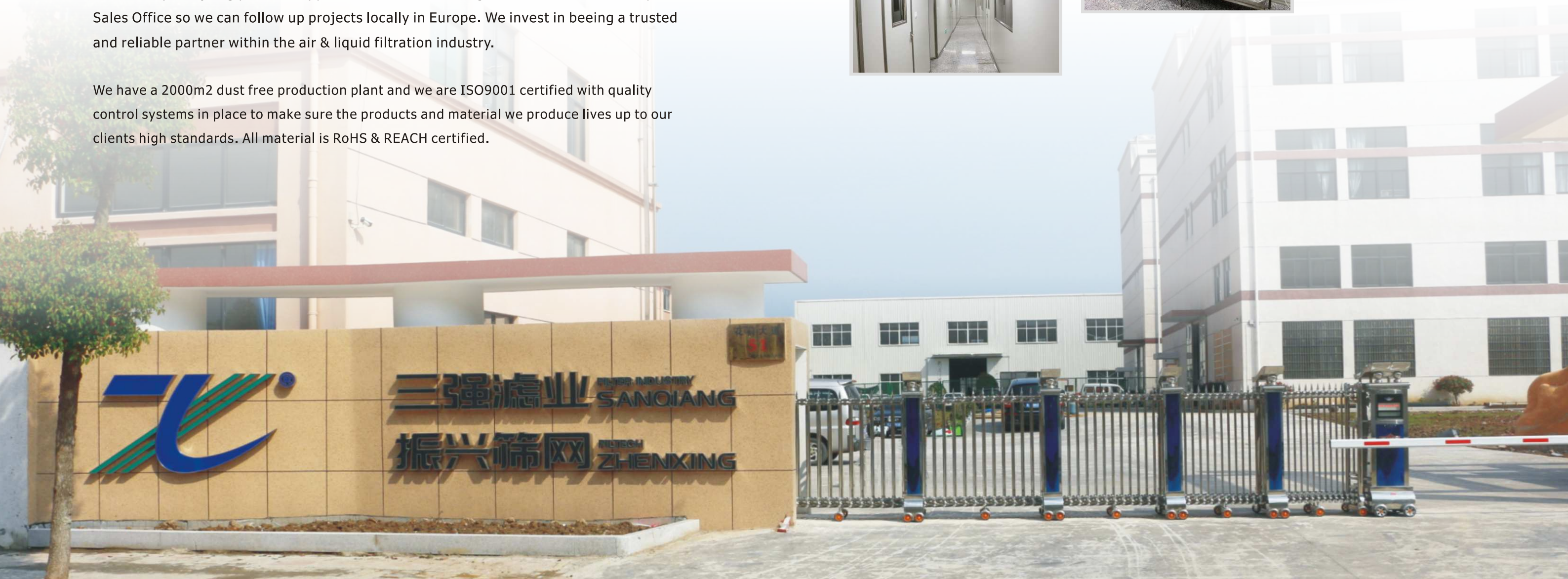
ISO

Free of silicone oil

RoHS

REACH

Food contact

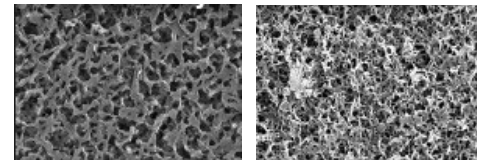


Test Equipment Center

Particle sizing counting system
(0.15 μ m-200 μ m)



Scanning electron microscope (SEM)



Pore size analyser



FTIR Spectrometer



CONTENTS

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Polypropylene Filter Cartridge (LPP)

LPP pleated cartridge is fitted with double layered filter medium made of submicron polypropylene. With more than 0.5M²/10inch filter area and thermal weld of all polypropylene components, that makes this kind cartridge adhering to the USP Class VI and FDA CFR Title 21 criteria. It does not contain any binding agents, adhesives or additives. A high dirt-hold capacity and a low differential pressure, especially for filtering out impurities such as solid particles.

Features and Benefits:

Low differential pressure, high dirt-retention capacity and a long service life
 Pleated depth filtration with maximum filtration area
 High flow rate
 Great chemical compatibility and acid-base resistance for liquid filtration
 A wide range of fine filters which is suitable for different industries

Technical data

Size:

OD: φ69mm
 ID: φ33mm
 Length: 5" 10" 20" 30" 40"

Composition:

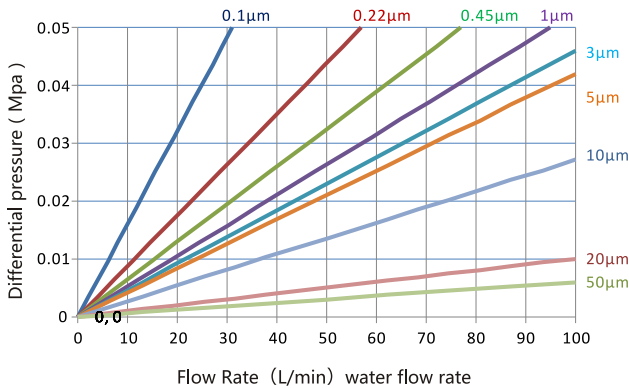
Filter media: Polypropylene membrane
 Support/Drain layer: Polypropylene
 Cage support/Adaptor: Polypropylene
 Core support: Polypropylene/SUS
 Sealing compound: Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature:

PH: 1-13
 Max Temperature: 80℃
 Max Pressure diff: 0.42Mpa/25℃, 0.1Mpa/80℃

Application:

Filters in water-treatment plants
 Pre-filters in ultrapure water for the electronic industry
 Drinking water for food and beverages
 Process filters for acids and lyes
 Filtration of inks for ink-jet applications
 Liquid or gas filtration for biological products, compressed air



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
LPP	010=0.1μm	DOE=DOE	5=5in	S= Silicone	P=Polypropylene
	022=0.22μm	TF=222/PIN	10=10in	E=EPDM	G=SUS
	045=0.45μm	SF=226/PIN	20=20in	N=NBR	
	1=1μm	TC=222/Cap	30=30in	V=Viton	
	3=3μm	SC=226/Cap	40=40in	T=PTFE	
	5=5μm	GSF=226SUS/PIN		F=Viton coated with PTFE	
	10=10μm	GTF=222SUS/PIN			
	20=20μm				

Polypropylene Filter Cartridge (IPP)

The IPP cartridge is manufactured by superfine fiber polypropylene membrane in the thermal welding process. The scientific pore structure makes absolutely fine filter. The depth filter is of high dirt-retention capacity, which ensures the filtering effect and efficiency. IPP pleated cartridge is fitted with 1 layered filter medium made of submicron polypropylene and 2 layered support filament felt which absolute no fiber peeling off. With more than 0.5M²/10inch filter area and the mic-weld of all polypropylene components, that make this kind of cartridge adhering to the USP Class VI and FDA CFR Title 21 criteria. Allowing absolute filter ratings of 99.9 % particle retention. Do not contain binding agents, adhesives or additives. A high dirt-hold capacity and a low differential pressure, especially for filtering out impurities such as solid particles and special liquid can't accept any fibers from the cartridge mix into the liquid.

Features and Benefits:

Low differential pressures, high dirt-retention capacity and a long service life
 Pleated depth filtration with maximum filtration area
 The scientific design for high flow rate
 Great chemical compatibility and acid-base resistance for liquid filtration
 A wide range of filter Micron which is suitable for various industries

Technical data

Size :

OD: φ69mm
 ID: φ33mm
 Length: 5" 10" 20" 30" 40"

Composition:

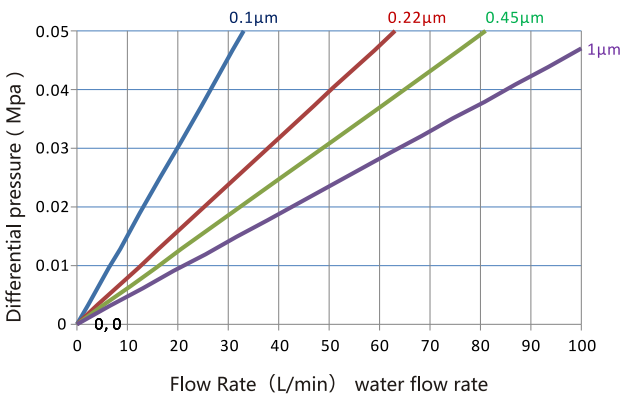
Filter media: Polypropylene membrane
 Support/Drain layer: Polypropylene
 Cage support/Adaptor: Polypropylene
 Core support: Polypropylene/SUS
 Inner core: Polypropylene/Stainless steel
 Sealing compound: Silicone, EPDM, NBR, Viton PTFE, Viton coated with PTFE

Feature:

PH: 1-13
 Max Temperature: 80℃
 Max Pressure diff: 0.42Mpa/25℃, 0.1Mpa/80℃

Application:

Filters in water-treatment plants
 Pre-filters in ultrapure water for the electronic industry
 Drinking water for food and beverages
 Process filters for acids and lyes
 Filtration of inks for ink-jet applications
 Liquid or gas filtration for biological products, compressed air



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
IPP	010=0.1μm	DOE=DOE	5=5in	S= Silicone	P=Polypropylene
	022=0.22μm	TF=222/PIN	10=10in	E=EPDM	G=SUS
	045=0.45μm	SF=226/PIN	20=20in	N=NBR	
	1=1μm	TC=222/Cap	30=30in	V=Viton	
		SC=226/Cap	40=40in	T=PTFE	
		GSF=226SUS/PIN		F=Viton coated with PTFE	
		GTF=222SUS/PIN			

GPP Filter Cartridge (GPP)

GPP pleated filter cartridges have a multi-layered filter configuration containing micro fibers structured along the flow direction from the outside towards the inside in decreasing filter ratings. In this way GPP pleated filter cartridges combine the advantages of common depth filters with those of pleated filter medias. This multi-layered filter media structure also ensures a long service life and a high dirt-retention capacity.

Features and Benefits:

Low differential pressures, high dirt-retention capacity and a long service life
Multi-layers Pleated depth filtration with maximum filtration area
The scientific design for high flow rate
Great chemical compatibility and acid-base resistance for liquid filtration
A wide range of fine filters which is suitable for all industries

Technical Data

Size:

OD: $\phi 69\text{mm}$
ID: $\phi 33\text{mm}$
Length: 5" 10" 20" 30" 40"

Composition:

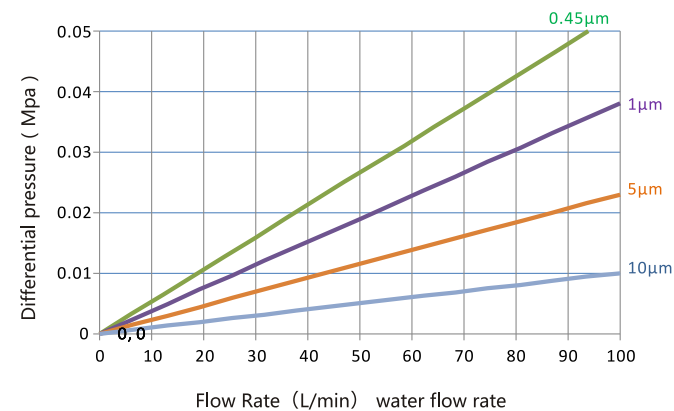
Filter media: Polypropylene membrane
Support/Drain layer: Polypropylene
Cage support /Adaptor: Polypropylene
Core support: Polypropylene/SUS
Sealing compound: Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature:

PH: 1-13
Max Temperature: 80°C
Max Pressure diff: $0.42\text{Mpa}/25^{\circ}\text{C}$ $0.1\text{Mpa}/80^{\circ}\text{C}$

Application:

Filters in water-treatment plants
Pre-filters in ultrapure water for the electronic industry
Drinking water for food and beverages - Process filters for acids and lyes
Filtration of inks for ink-jet applications
Liquid or gas filtration for biological products, compressed air



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
GPP	010=0.1µm	DOE=DOE	5=5in	S= Silicone	P=Polypropylene
	022=0.22µm	TF=222/PIN	10=10in	E=EPDME	G=SUS
	045=0.45µm	SF=226/PIN	20=20in	N=NBR	
	1=1µm	TC=222/Cap	30=30in	V=Viton	
		SC=226/Cap	40=40in	T=PTFE	
		GSF=226SUS/PIN		F=Viton coated with PTFE	
		GTF=222SUS/PIN			

PES Filter Cartridge (LPS)

PES asymmetric membrane filter cartridge is fitted with hydrophilic polyether sulphone membrane and filter ratings from 0.04 to 1µm. Producing in a clean room and without using any additives and surface active substances. FDA certified, integrity test approved, can be sterilised, preflushed. Low albumen and micro organism absorption.

Features and Benefits :

Hydrophilic membrane without pre-wetting
Absolute filtration efficiency
Acid-proof alkaline and excellent chemical compatibility
Low albumen and micro organism absorption
No fiber migration with ultra pure water washing
Filter Cartridge 100% pass integrity tested

Technical data

Size :

OD: $\phi 69\text{mm}$
ID: $\phi 33\text{mm}$
Length: 5" 10" 20" 30" 40"

Composition :

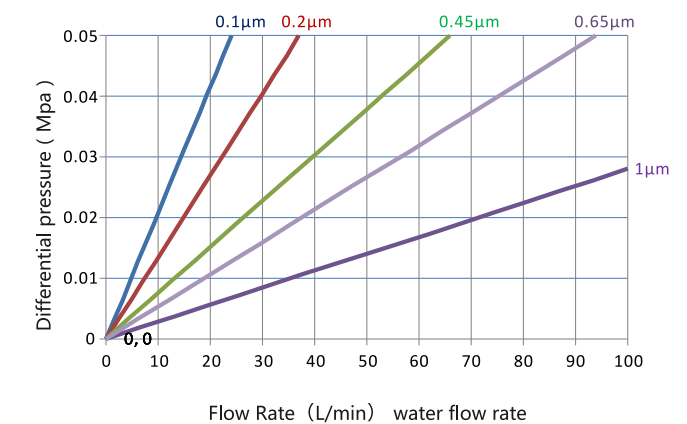
Filter media: PES membrane
Support/Drain layer: Polypropylene
Cage support/Adaptor: Polypropylene
Core support: Polypropylene/SUS
Sealing compound: Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature :

PH: 2-13
Max Temperature: 85°C
Max Pressure diff: $0.42\text{Mpa}/25^{\circ}\text{C}$ $1\text{Mpa}/80^{\circ}\text{C}$

Application:

Electronic Industry: Filtration in ultra pure water and distilled water
Beverage Industry: Liquid bacteria removal on beverage and food
Chemical raw materials' bacteria removal and filtration
Vaccine, serum and biological products bacteria removal



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
LPS	010=0.1µm	DOE=DOE	5=5in	S= Silicon	P=Polypropylene
	020=0.2µm	TF=222/PIN	10=10in	E=EPDM	G=SUS
	045=0.45µm	SF=226/PIN	20=20in	N=NBR	
	065=0.65µm	TC=222/Cap	30=30in	V=Viton	
	1=1µm	SC=226/Cap	40=40in	T=PTFE	
		GSF=226SUS/PIN		F=Viton coated with PTFE	
		GTF=222SUS/PIN			

6 Filter Cartridge (PN)

Nylon 6 filter cartridge is fitted with Nylon 6 membrane and the outer cage is made of polypropylene. It is produced by thermal welding technology. The absolute filter nylon filter membrane ensures of 99.9 % particle retention. FDA certified, integrity test approved, can be sterilised, preflushed. Low albumen and micro organism absorption.

Features and Benefits :

Hydrophilic membrane without pre-wetting
Absolute filtration efficiency
Alkali resistant but no acid, excellent oil and solvent resistance
Great albumen and microorganism absorption
Uniformly distributed pure, strong mechanism and long service life
No fiber migration with ultra pure water washing
Filter Cartridge 100% pass integrity tested

Technical data

Size :

OD : $\phi 69\text{mm}$
ID : $\phi 33\text{mm}$
Length : 5" 10" 20" 30" 40"

Composition :

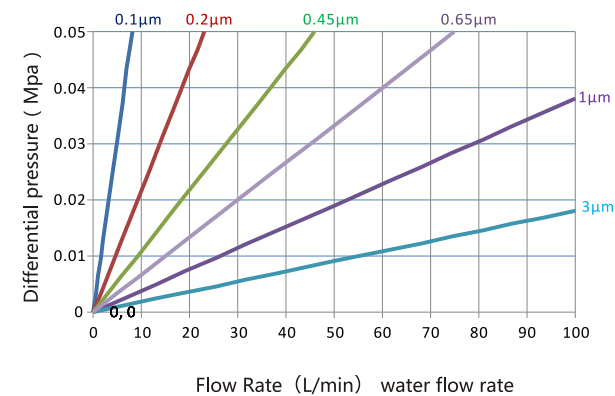
Filter media: Nylon 6 membrane
Support/Drain layer: Polypropylene
Cage support/Adaptor: Polypropylene
Core support: Polypropylene/SUS
Sealing compound: Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature:

PH: 6-14
Max Temperature: 85°C
Max Pressure diff: 0.42Mpa/25°C 0.1Mpa/80°C

Application:

Filtration in ultra pure water and distilled water
Liquid bacteria removal on beverage and food
Chemical raw materials bacteria removal and filtration
Vaccine, serum and biological products bacteria removal



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
PN	010=0.10μm	DOE=DOE	5=5in	S= Silicone	P=Polypropylene
	020=0.20μm	TF=222/PIN	10=10in	E=EPDM	G=SUS
	045=0.45μm	SF=226/PIN	20=20in	N=NBR	
	065=0.65μm	TC=222/Cap	30=30in	V=Viton	
	1=1μm	SC=226/Cap	40=40in	T=PTFE	
	3=3μm	GSF=226SUS/PIN		F=Viton coated with PTFE	
		GTF=222SUS/PIN			

66 Filter Cartridge (PN66)

Nylon 66 filter cartridge is fitted with Nylon 6 membrane and the outer cage is made of polypropylene. It is produced by thermal welding technology. The absolute filter nylon filter membrane ensures of 99.9 % particle retention. FDA certified, integrity test approved, can be sterilised, preflushed. Low albumen and micro organism absorption.

Features and Benefits :

Hydrophilic membrane without pre-wetting
Absolute filtration efficiency
Alkali resistant but no acid, excellent oil and solvent resistance
Great albumen and microorganism absorption
Uniformly distributed pure, strong mechanism and long service life
No fiber migration with ultra pure water washing
Filter Cartridge 100% pass integrity tested

Technical data

Size :

OD : $\phi 69\text{mm}$
ID : $\phi 33\text{mm}$
Length : 5" 10" 20" 30" 40"

Composition :

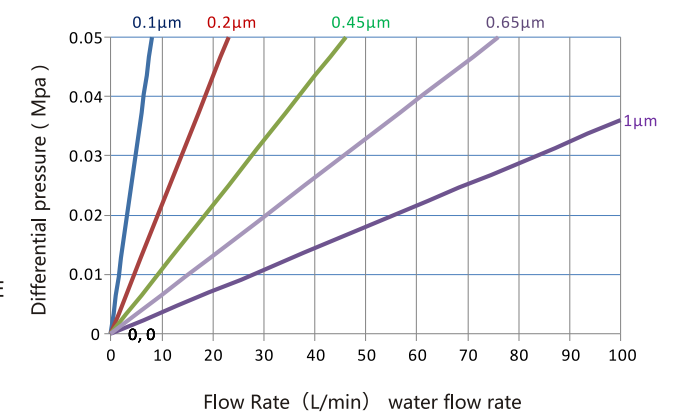
Filter media: Nylon 66 membrane
Support/Drain layer: Polypropylene
Cage support/Adaptor: Polypropylene
Core support: Polypropylene/SUS
Sealing compound: Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature:

PH: 6-14
Max Temperature: 85°C
Max Pressure difference: 0.42Mpa/25°C 0.1Mpa/80°C

Application:

Filtration in ultra pure water and distilled water
Liquid bacteria removal on beverage and food
Chemical raw materials liquid bacteria removal and filtration
Vaccine, serum and biological products bacteria removal



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
PN66	010=0.1μm	DOE=DOE	5=5in	S= Silicone	P=Polypropylene
	020=0.2μm	TF=222/PIN	10=10in	E=EPD	G=SUS
	045=0.45μm	SF=226/PIN	20=20in	N=NBR	
	065=0.65μm	TC=222/Cap	30=30in	V=Viton	
	1=1.00μm	SC=226/Cap	40=40in	T=PTFE	
		GSF=226SUS/PIN		F=Viton coated with PTFE	
		GTF=222SUS/PIN			

PTFE Filter Cartridge (PF)

PTFE filter membrane is used and the core support is made of polypropylene material or the stainless steel. It is produced by thermal welding technology. The hydrophobic filter with strong acid and alkali resistance is usually used in organic solvents and gas filtration.

Features and Benefits:

- Heat and ozone resistance
- Absolutely bacteria removal in a wet or dry environment
- Strong acid and strong alkali resistance with excellent chemical compatibility
- Wonderful pyrogen control and biological safety
- No fiber migration with ultra pure water washing
- Filter Cartridge 100% pass integrity tested

Technical data

Size:

OD: $\phi 69\text{mm}$
ID: $\phi 33\text{mm}$
Length 5" 10" 20" 30" 40"

Composition:

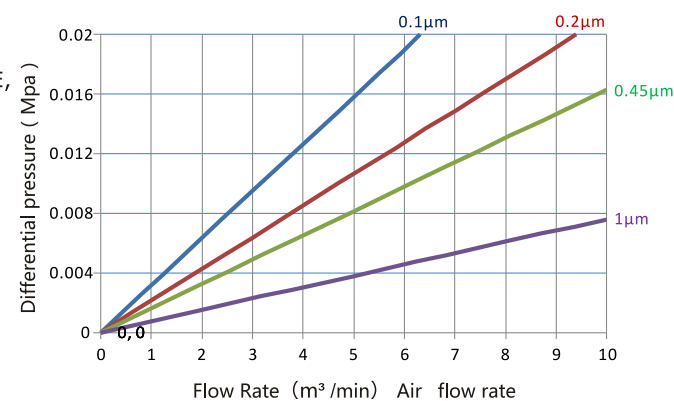
Filter media: Polytetrafluoroethylene membrane
Support/Drain layer: Polypropylene
Cage support/Adaptor: Polypropylene
Core support: Polypropylene/SUS
Sealing compound: Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature:

PH: 1-14
Max Temperature: 90°C
Max Pressure diff: $0.42\text{Mpa}/25^{\circ}\text{C}$ $0.1\text{Mpa}/80^{\circ}\text{C}$

Application:

- Steam dust and bacteria removal
- Ultra pure gas filtration
- Compressed air sterile filtration
- Air filtration in aseptic packaging.
- Aggressive acids, bases and solvents
- Tank vent, fermentation air



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
PF	010=0.1µm	DOE=DOE	5=5in	S= Silicone	P=Polypropylene
	020=0.2µm	TF=222/PIN	10=10in	E=EPDM	G=SUS
	045=0.45µm	SF=226/PIN	20=20in	N=NBR	
	1=1µm	TC=222/Cap	30=30in	V=Viton	
		SC=226/Cap	40=40in	T=PTFE	
		GSF=226SUS/PIN		F=Viton coated with PTFE	
		GTF=222SUS/PIN			

PTFE Filter Cartridge (HPF)

HPF PTFE filter cartridge make with hydrophilic PTFE membranes are available in filter ratings of $0.05\text{ }\mu\text{m}$ to $1.0\text{ }\mu\text{m}$. The membrane material is highly porous and features a homogenous pore distribution. All construction support, adapter and end cap components are made of polypropylene and are thermally connected to the PTFE Membrane in clean rooms without the use of additives or surface-active substances, hydrophilic membrane, FDA certified, integrity test approved, can be sterilised, preflushed. Low albumen and micro organism absorption.

Features and Benefits:

- Hydrophilic membrane without pre-wetting
- Strong acid and strong alkali resistance with excellent chemical compatibility
- Unique micro pore structure for high flow rate
- No fiber migration with ultra pure water washing
- Filter Cartridge 100% pass integrity tested

Technical data

Size:

OD: $\phi 69\text{mm}$
ID: $\phi 33\text{mm}$
Length : 5" 10" 20" 30" 40"

Composition :

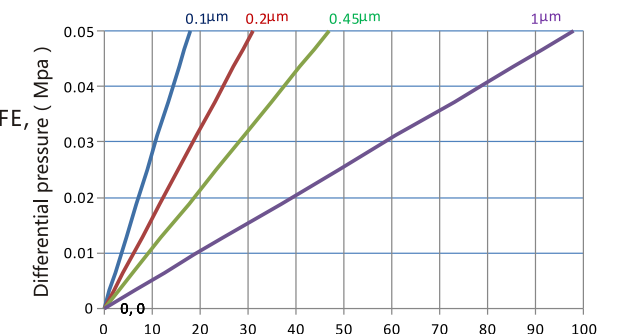
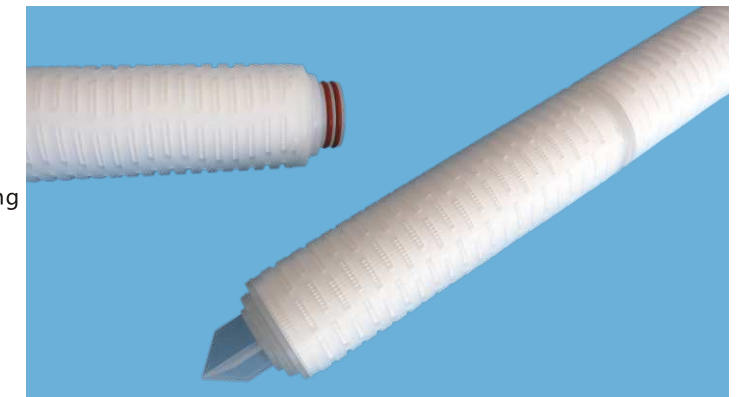
Filter media: Hydrophilic polytetrafluoroethylene membrane
Support/Drain layer: Polypropylene
Cage support/Adaptor: Polypropylene
Core support: Polypropylene/SUS
Sealing compound: Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature:

PH: 1-14
Max Temperature: 90°C
Max Pressure diff: $0.42\text{Mpa}/25^{\circ}\text{C}$ $0.1\text{Mpa}/80^{\circ}\text{C}$

Application:

- Fibrinolytic enzyme and liquid filtration
- Aggressive acids, bases and solvents
- High temperature deionized water filtration - Corrosive liquid filtration
- Strong oxidizing liquid filtration, mineral water, pure water



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
HPF	010=0.1µm	DOE=DOE	5=5in	S= Silicone	P=Polypropylene
	020=0.2µm	TF=222/PIN	10=10in	E=EPDM	G=SUS
	045=0.45µm	SF=226/PIN	20=20in	N=NBR	
	1=1µm	TC=222/Cap	30=30in	V=Viton	
		SC=226/Cap	40=40in	T=PTFE	
		GSF=226SUS/PIN		F=Viton coated with PTFE	
		GTF=222SUS/PIN			

PVDF Filter Cartridge (PVDF)

PVDF filter cartridge is made of Polyvinylidene fluoride membrane

Features and Benefits:

- Great temperature and oxidation resistance
- Good pollution resistance
- Good chemical compatibility for various gas filtration
- No fiber migration with ultra pure water washing
- Filter Cartridge 100% pass integrity tested

Technical data

Size:

OD:	φ69mm
ID:	φ33mm
Length:	5" 10" 20" 30" 40"

Composition:

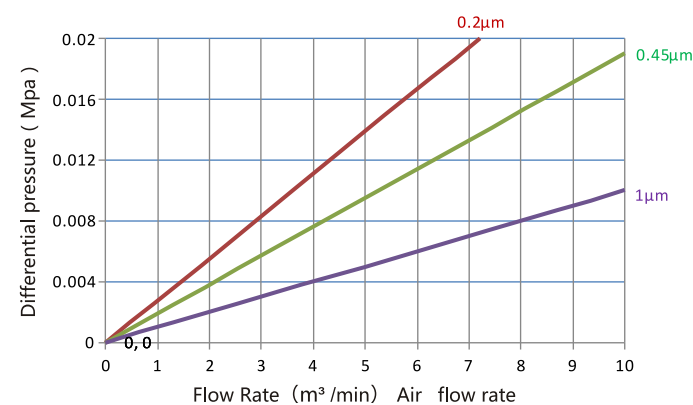
Filter media:	Polyvinylidene fluoride membrane
Support/Drain layer:	Polypropylene
Cage support/Adaptor:	Polypropylene
Core support:	Polypropylene/SUS
Sealing compound:	Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature:

PH:	1-13
Max Temperature:	90°C
Max Pressure diff:	0.42Mpa/25°C 0.1Mpa/80°C

Application:

- Steam dust and bacteria removal
- Ultra pure gas filtration
- Compressed air sterile filtration
- Air filtration in aseptic packaging - Aggressive acids, bases and solvents
- Tank vent, fermentation air



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
PVDF	020=0.2μm	DOE=DOE	5=5in	S= Silicone	P=Polypropylene
	045=0.45μm	TF=222/PIN	10=10in	E=EPDM	G=SUS
	065=0.65μm	SF=226/PIN	20=20in	N=NBR	
	1=1.00μm	TC=222/Cap	30=30in	V=Viton	
		SC=226/Cap	40=40in	T=PTFE	
		GSF=226SUS/PIN		F=Viton coated with PTFE	
		GTF=222SUS/PIN			

Hydrophilic PVDF Filter Cartridge (HPVDF)

HPVDF filter cartridge is made of hydrophilic Polyvinylidene fluoride membrane

Features and Benefits :

- Excellent resistance for high temperature, ozone, oil, etc
- Good pollution resistance
- Good chemical and climate resistance
- No fiber migration with ultra pure water washing
- Filter Cartridge 100% pass integrity tested

Technical data

Size :

OD:	φ69mm
ID:	φ33mm
Length:	5" 10" 20" 30" 40"

Composition :

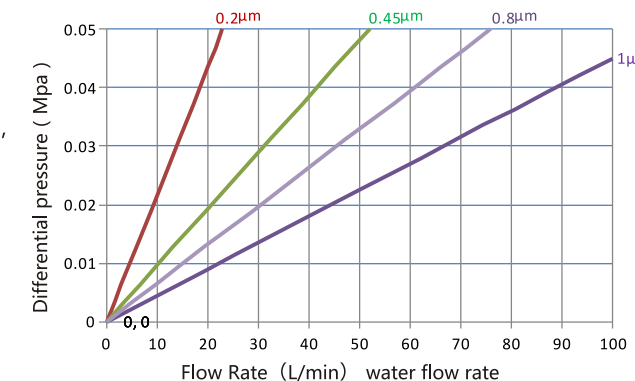
Filter media:	Hydrophilic Polyvinylidene fluoride membrane
Support/Drain layer:	Polypropylene
Cage support/Adaptor:	Polypropylene
Core support:	Polypropylene/SUS
Sealing compound:	Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature:

PH:	1-13
Max Temperature:	90°C
Max Pressure diff :	0.42Mpa/25°C 0.1Mpa/80°C

Application:

- High-viscosity liquid filtration
- Biological impurity and bacteria removal - Organic solvents filtration
- Strong oxidizing liquids filtration, mineral water and pure water



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
HPVDF	020=0.2μm	DOE=DOE	5=5in	S= Silicone	P=Polypropylene
	045=0.45μm	TF=222/PIN	10=10in	E=EPDM	G=SUS
	065=0.65μm	SF=226/PIN	20=20in	N=NBR	
	080=0.8μm	TC=222/Cap	30=30in	V=Viton	
		SC=226/Cap	40=40in	T=PTFE	
		GSF=226SUS/PIN		F=Viton coated with PTFE	
		GTF=222SUS/PIN			

Glass Fiber Filter Cartridge (GF)

Glass fiber pleated cartridges are fitted with polypropylene cage support and polypropylene adapter. The Glass-fiber-micro-media is provided with a mesh support and drainage from polypropylene media. All material components are thermal bonded without the use of adhesives or binders.

Features and Benefits :

- Inflexibility fiber and great dirt-retention capacity
- High performance of absorbability and high interception ratio
- High flow rate and low pressure loss
- Acid and alkali resistance and strong oil resistance

Technical data

Size:

OD:	φ69mm
ID:	φ33mm
Length:	5" 10" 20" 30" 40"

Composition:

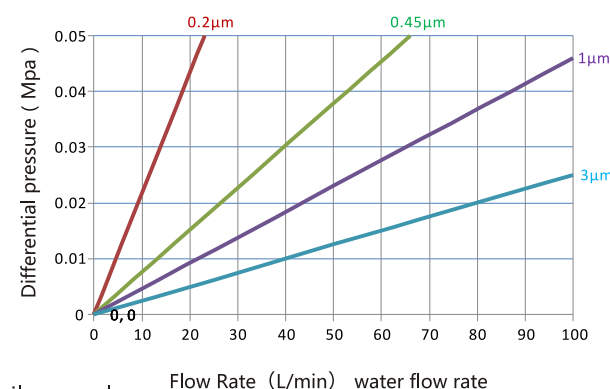
Filter media:	Superfine glass fiber membrane
Support/Drain layer:	Polypropylene
Cage support/Adapter:	Polypropylene
Core support:	Polypropylene/SUS
Sealing compound:	Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature:

PH:	1-13
Max Temperature:	80℃
Max Pressure diff:	0.42Mpa/25℃ 0.1Mpa/80℃

Application:

- Wine pre-filtration and clarification
- High-viscosity liquid pre-filtration
- Oil filtration and clarification - Air filtration for dust, water and oil removal
- Carbon removal for raw materials - Biologic pre-filtration



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
GF	020=0.2μm	DOE=DOE	5=5in	S= Silicone	P=Polypropylene
	045=0.45μm	TF=222/PIN	10=10in	E=EPDME	G=SUS
	1=1μm	SF=226/PIN	20=20in	N=NBR	
	3=3μm	TC=222/Cap	30=30in	V=Viton	
		SC=226/Cap	40=40in	T=PTFE	
		GSF=226SUS/PIN		F=Viton coated with PTFE	
		GTF=222SUS/PIN			

Mini Filter Cartridge (XP)

XP filter cartridge is fitted by polypropylene membrane. Each component is assembled together by thermal welding technology. With small flow, small adsorption capacity and small residue, it makes its best choice for laboratory test or small production shop.

Features and Benefits :

- Small volume and Low differential pressures
- Pleated depth filtration with maximum filtration area
- Great chemical compatibility for various liquid filtration
- A wide range of fine filters for different industries
- Selection of various filter materials

Technical data

Size:

OD :	φ56mm φ42mm
Length :	2.5" 5"

Composition :

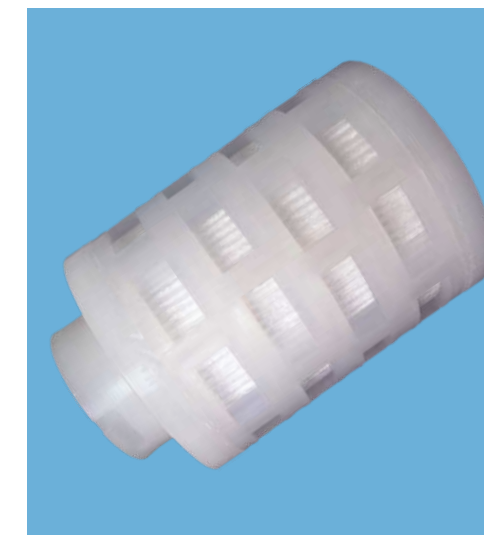
Filter media:	Polypropylene membrane, nylon membrane, PES membrane, glass fiber
Support/Drain layer :	Polypropylene
Cage support/Adaptor :	Polypropylene
Core support :	Polypropylene/SUS
Sealing compound :	Silicone, EPDM, NBR Viton, PTFE, Viton coated with PTFE

Feature :

PH :	1-13
Max Temperature :	80℃
Max Pressure difference :	0.42Mpa/25℃ 0.1Mpa/80℃

Application:

- Filters in water-treatment plants
- Pre-filters in ultrapure water for the electronic industry
- Drinking water for food and beverages
- Process filters for acids and lyes
- Filtration of inks for ink-jet applications
- Liquid or gas filtration for biological products, compressed air



Order Information

Name	Filter media	Adapter	Length	sealing compound materials
XP	PN=nylon	H=Oring/Cap	2.5=2.5in	P=Polypropylene
	PP=polyprop	RC=216/Cap	5=5in	S= Silicone
	lene			E=EPDM
	PES=PES			N=NBR
	PF=PTFE			V=Viton

Activated carbon filter Cartridge (ACF)

Activated carbon absorbs a variety of impurities and can be used to reduce odor and taste substances, bacteria, VOCs, pesticides and general organic impurities, or to decolor fluids. There are two types: filters containing granulated carbon, and filters with porous activated carbon blocks extruded to form tubes. The maximum flow rates, contact times with the activated charcoal and thus the retention rates of these filters also depend on whether flow is axial or radial.

Features and Benefits :

- High adsorption capacity
- Low differential pressure and stable water flow
- Good heat resistance
- High mechanical performance and Easy to install and use

Technical data

Size:

OD:	φ69mm
ID:	φ33mm
Length:	5" 10"20"30"40"

Composition:

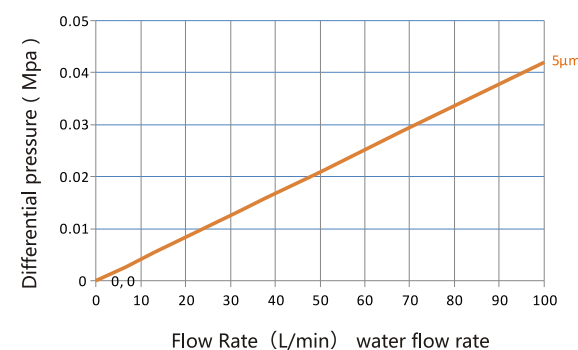
Filter materials:	Activated carbon fiber
Support/Drain layer:	Polypropylene
Cage support/Adaptor:	Polypropylene
Core support:	Polypropylene/SUS
Sealing compound:	Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature:

PH:	1-13
Max Temperature:	85℃
Max Pressure diff:	0.42Mpa/25℃ 0.1Mpa/80℃

Application:

- Organic solvents decolorization and filtration
- Wine and beverage filtration
- Liquid & gas filters for residual chlorine and organics



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
ACF	1=1μm	DOE=DOE	5=5in	S= Silicone	P=Polypropylene
	5=5μm	TF=222/PIN	10=10in	E=EPDM	G=SUS
	10=10μm	SF=226/PIN	20=20in	N=NBR	
			30=30in	V=Viton	
			40=40in		

Melt blow filter cartridge (CP)

The CP melt-blow cartridge is manufactured in the melt-blow process where by four different spray nozzles are used to combine fine and coarse continuous fibers to form a multilayer structure. The fine layers are situated on the inside of the depth filter structure; the coarse layers on the outside. Due to this four-level gradation coarse particles are retained in the outer layers and finer particles in the inner layers. This construction ensures a long service life, high dirt-retention capacity and low differential pressures.

Features and Benefits :

- Great chemical compatibility
- High dirt-retention capacity and long service life
- Various adapters allowed and is easy to install and use
- Made of 100% PP, no other additions

Technical data

Size :

OD :	φ60mm φ130mm
ID :	φ28mm φ30mm
Length :	10" 20" 30" 40"

Composition :

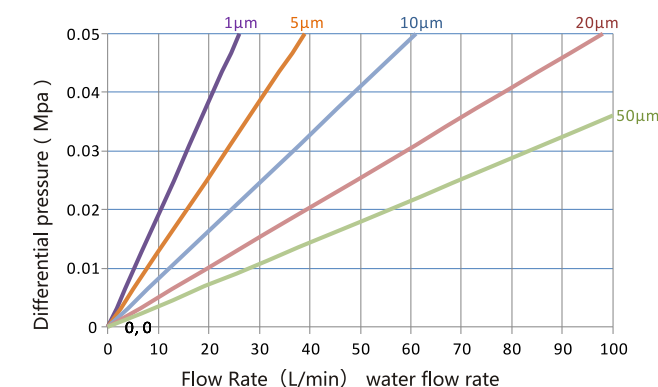
Filter media :	Polypropylene Nylon fiber
Adaptor :	Polypropylene
Core support :	Polypropylene
Sealing Ring :	Silicone, EPDM, NBR, Viton

Feature :

PH :	1-13
Micron :	1μm-100μ
Max Temperature :	80℃
Max Pressure difference :	0.2Mpa/25℃ 0.1Mpa/80℃

Application:

- Wine and water filtration
- Pre-filters for reverse osmosis water - Filters in water-treatment
- Industrial water and electroplating solution filtration - Filtration of various organic solvents



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
CP	1=1μm	DOE=DOE	10=10in	S= Silicone	P=Polypropylene
	3=3μm	TF=222/PIN	20=20in	E=EPDM	
	5=5μm	SF=226/PIN	30=30in	N=NBR	
	10=10μm	SC=226/Cap	40=40in	V=Viton	
	20=20μm	TC=222/Cap			
	50=50μm	W=Without washer			

Absolute Micron Melt blow Cartridge(JCP)

The Absolute Micron Melt blow cartridge with absolute filtration rate is produced in the melt-blow process. The perforated surface offers an enlarged filter surface area as well as a better binding for the continuous fibers on the filter surface. The filter is structured with a consistent pore-structure which decreases towards the middle, allowing a construction without a core support in the centre. The WFMBA melt-blow cartridge can be delivered optionally with open ends on both sides or with standard adapter constructions. The perforated surface area with subsequent depth filter structure ensures a long service life, high dirt-retention capacity and low differential pressures.

Features and Benefits :

Great chemical compatibility
Absolute filtration efficiency
High dirt-retention and long service life
Various adapters allowed and is easy to install and use
Made of 100% PP, no other additions

Technical data

Size :

OD : $\phi 60\text{mm}$ $\phi 130\text{mm}$
ID : $\phi 28\text{mm}$ $\phi 30\text{mm}$
Length : 10" 20" 30" 40"

Composition :

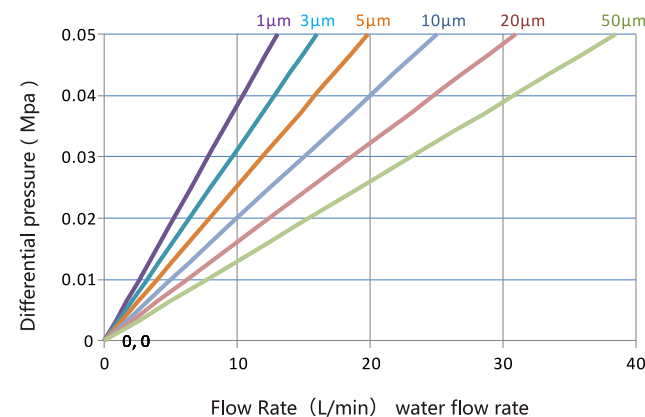
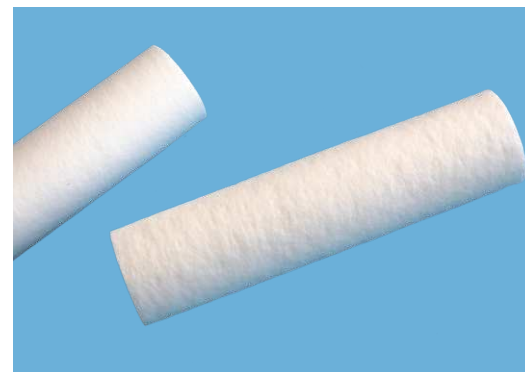
Filter media : Polypropylene
Adaptor : Polypropylene
Core support : Polypropylene
Sealing : Silicone, EPDM, NBR, Viton

Feature :

PH : 1-13
Micron : $1\mu\text{m}$ - $100\mu\text{m}$
Max Temperature : 80°C
Max Pressure diff: $0.2\text{Mpa}/25^\circ\text{C}$, $0.1\text{Mpa}/80^\circ\text{C}$

Application:

Wine and water filtration
Pre-filters for reverse osmosis water
Filters in water-treatment
Industrial water and electroplating solution filtration.
Filtration of various organic solvents



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
JCP	AB1=1μm	DOE=DOE	10=10in	S= Silicone	P=Polypropylene
	AB3=3μm	TF=222/PIN	20=20in	E=EPDM	
	AB5=5μm	SF=226/PIN	30=30in	N=NBR	
	AB10=10μm	SC=226/Cap	40=40in	V=Viton	
	AB20=20μm	TC=222/Cap			
	AB50=50μm	W=Without washer			

PP/Absorbent cotton fibre yarn wound around the core support Cartridge Filter (SP/SE/SG)

This kind of filter cartridges consist of a continuous fibre yarn, which is wound around a fixed core support. This yarn structure forms the filter layer with a corresponding layer thickness and depth filter effect. Due to the use of various wondering techniques, different thickness of yarn and tractive force during winding, the filter cartridges can be produced with a variety of fine filter ratings.

Features and Benefits :

Great chemical compatibility
High flow rate and good dirt-retention capacity
Honeycomb structure for high filtering pressure
A wide range of fine filters for different industries

Technical data

Size :

OD : $\phi 60\text{mm}$ $\phi 130\text{mm}$
ID : $\phi 28\text{mm}$ $\phi 30\text{mm}$
Length : 10" 20" 30" 40"

Composition :

Filter media : Polypropylene, Absorbent cotton, Glass fiber

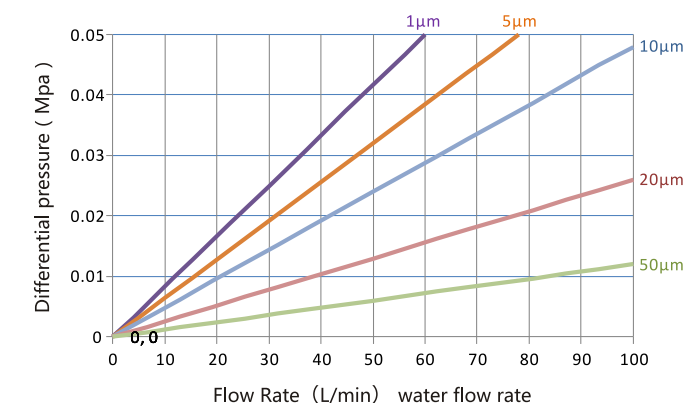
Core support : Polypropylene/SUS

Feature :

PH : 1-13
Micron : $1\mu\text{m}$ - $100\mu\text{m}$
Max Temperature : Polypropylene 80°C ,
Absorbent cotton 120°C , Glass fiber 200°C
Max Pressure diff : $0.2\text{Mpa}/25^\circ\text{C}$ $0.1\text{Mpa}/80^\circ\text{C}$

Application:

Pre-filters for drinking water and mineral water
Pre-filters for liquid medicine
Industrial water and electroplating solution filtration - Pre-filtration for wine and beverage



Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
SP/SE/SG	1=1μm	DOE=DOE	10=10in	S= Silicone	P=Polypropylene
	3=3μm	TF=222/PIN	20=20in	E=EPDM	G=SUS
	5=5μm	SF=226/PIN	30=30in	N=NBR	
	10=10μm	W=Without washer	40=40in	V=Viton	
	20=20μm				
	30=30μm				
	50=50μm				

Activated Filter Cartridge (CTO)

Activated carbon absorbs a variety of impurities and can be used to reduce odor and taste substances, bacteria, VOCs, pesticides and general organic impurities, or to decolor fluids. There are two types: filters containing granulated carbon and filters with porous activated carbon blocks extruded to form tubes.

Features and Benefits :

- High adsorption capacity
- Low differential pressure and stable water flow
- No carbon powder releasing
- High quality and good integrity
- Self pollution-free, ensuring the filter safety

Technical data

Size :

OD :	φ65mm φ70mm
ID :	φ25mm φ30mm
Length :	5" 10" 20" 30" 40"

Composition :

Filter media :	Activated carbon Coco Nut carbon
Adaptor :	Polypropylene
Drain Net :	Polypropylene
Sealing compound :	Silicone EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature :

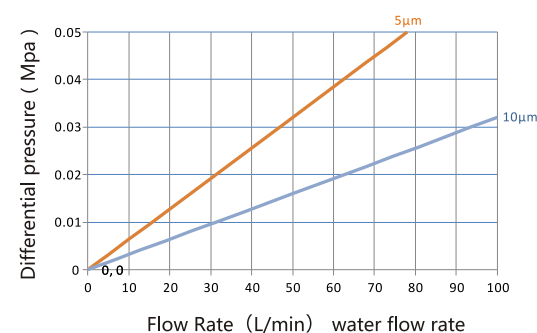
Micron :	5μm-10μm
Max Temperature :	55℃
Max Pressure diff :	0.40Mpa/25℃

Application:

- Organic solvents decolorization and filtration
- Wine and beverage filtration
- Liquid & gas filters for residual chlorine and organics

Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
CTO	5=5μm	DOE=DOE	5=5in	S=Silicone	P=Polypropylene
	10=10μm	TF=222/PIN	10=10in	E=EPDM	
		SF=226/PIN	20=20in	N=NBR	
			30=30in	V=Viton	
			40=40in		



Stainless Steel Pleated Cartridge (SSF)

SSF Stainless steel pleated cartridges are robust and multi-functional sieve elements with an enlarged filter area due to the pleated structure. The SSF Stainless steel pleated cartridges are reverse-flushable and have cleanable surfaces. The stainless steel screens are available in 5 μm to 500 μm and are mounted on a stable core support made of stainless steel perforated sheet with end caps welded on after being pleated. Apart from the standard versions with double-sided open ends (DOE), custom-made filter cartridges with different diameters, lengths and end-cap configurations can be manufactured.

Features and Benefits :

- High temperature, strong acid and strong alkali resistance
- Large porosity for good filtration effect
- Strong mechanical performance and long service life
- Can be reused after washing to reduce the cost
- Uniform pore size for absolute filter efficiency
- A wide range of fine filters for different industries

Technical data

Size :

Length :	2.5" 5" 10" 20" 30" 40"
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Composition :

Filter media :	Single or multi-layer SUS mesh
Core/Cage support/Adaptor :	304/316SUS
Sealing compound :	Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature :

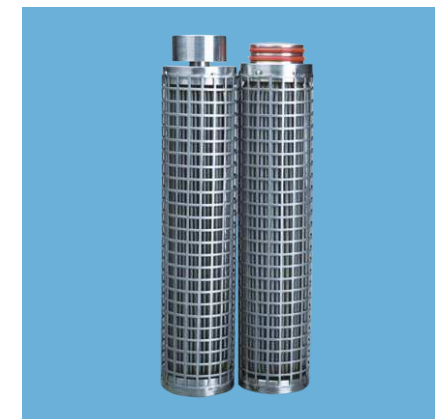
PH :	1-14
Micron :	0.45μm-100μm
Max Temperature :	480℃
Max Pressure Difference :	0.5Mpa

Application:

- High temperature gas filtration - Strong acid alkali and corrosive solvent filtration
- High temperature and high viscosity liquid filtration - Gas and liquid filtration under high temperature and high pressure

Order Information

Name	Micron	Adapter	Length	Sealing Materials	Core support
SSF	045=0.45μm	DOE=DOE	5=5in	S=Silicone	304/316SUS
	1=1μm	GTC=222SUS/Cap	10=10in	E=EPDM	
	3=3μm	GTF=222SUS/PIN	20=20in	N=NBR	
	5=5μm	GSF=226SUS/PIN	30=30in	V=Viton	
	10=10μm	GSC=226SUS/Cap Thread	40=40in	T=PTFE	
	20=20μm			F=Viton coated with PTFE	
	50=50μm				



SUS Sinter media Filter Cartridge(SST)

SST Stainless steel pleated cartridges are robust and multi-functional sieve elements with Sinter mesh or Sinter powder filter media. The SST Stainless steel pleated cartridges are reverse-flushable and have cleanable surfaces. The stainless steel sinter media are available in 1µm to 500µm and are mounted on a stable core support made of stainless steel perforated sheet with end caps welded on after being pleated. Apart from the standard versions with double-sided open ends (DOE), custom-made filter cartridge is available.

Features and Benefits:

- High temperature, strong acid and strong alkali resistance
- High dirt-retention capacity and good filtration effect
- It is of fast velocity and high flux
- Good chemical compatibility for liquid filtration
- A wide range of fine filters for different industries

Technical data

- Size:
- Length : 2.5" 5" 10" 20" 30" 40"
- Composition:
- Filter media: 304/316SUS
- Core/Cage support /Adaptor : 304/316SUS
- Sealing compound : Silicone, EPDM, NBR, Viton, PTFE, Viton coated with PTFE

Feature :

- PH : 1-14
- Micron : 0.45µm-100µm
- Max Temperature : 280℃
- Max Pressure Diff : 0.3Mpa

Application:

- Steam filtration of high temperature gas
- Filtration in petrochemical industry
- Strong corrosive liquid and gas filtration
- Liquid and gas filters under high temperature and high pressure

Order Information

Name	Micron	Adapter	Length	Sealing Materials
SST	045=0.45µm	DOE=DOE	05=5in	S= Silicone
	1=1µm	GTC=222SUS/Cap	10=10in	E=EPDM
	3=3µm	GTF=222SUS/PIN	20=20in	N=NBR
	5=5µm	GSF=226SUS/PIN	30=30in	V=Viton
	10=10µm	GSC=226SUS/Cap	40=40in	T=PTFE
	20=20µm	Thread		F=Viton coated with PTFE
	50=50µm			



Chemical Compatibility Table

Chemical Name	Nylon	PES	PVDF	PTFE	PP	Silicone	Viton	EPDM
Benzene	LR	LR	-	NR	LR	NR	R	NR
Methylbenzene	LR	NR	LR	LR	LR	NR	R	NR
Xylene	NR	NR	NR	NR	NR	NR	R	NR
Carbon tetrachloride	LR	LR	LR	LR	LR	NR	R	NR
Trichloromethane	NR	NR	LR	LR	LR	NR	R	NR
Ethylenedichloride	LR	NR	LR	LR	LR	NR	LR	LR
TF Freon	LR	LR	LR	LR	LR	NR	R	NR
TMC Freon	LR	NR	LR	LR	LR	NR	LR	NR
Dichloromethane	NR	NR	LR	LR	LR	NR	LR	NR
Perchloroethylene	LR	LR	LR	LR	LR	NR	R	NR
Trichloroethylene	LR	LR	NR	LR	LR	-	R	-
Ethylene glycol	R	LR	R	R	R	R	R	R
Glycerin	R	LR	R	R	R	R	R	R
Propylene glycol	R	LR	R	R	R	R	R	R
Diethyl ether	NR	LR	LR	LR	LR	LR	NR	NR
Isopropyl ether	-	-	R	R	R	NR	NR	NR
Dioxane	R	-	R	R	R	NR	NR	R
Tetrahydrofuran	NR	NR	LR	LR	LR	NR	NR	R
AceticAcid	NR	NR	R	R	R	LR	NR	LR
Hydrochloric acid(strong)	NR	R	R	R	R	NR	R	LR
Hydrochloric acid(6N)	NR	R	R	R	R	NR	R	LR
Nitrate(strong)	NR	-	R	R	R	NR	R	NR
Nitrate(6N)	NR	-	R	R	R	LR	R	NR
Phosphoric acid(strong)	LR	-	R	R	R	NR	R	NR
Sulfate(strong)	NR	NR	R	LR	LR	NR	R	LR
Orthoboric acid	R	R	R	R	R	R	R	R
Hydrofluoric acid(6N)	NR	NR	NR	NR	NR	NR	R	NR
Amyl acetate	LR	-	R	LR	LR	NR	NR	LR
n-Butyl acetate	LR	-	R	LR	LR	NR	LR	R
Ethyl acetate	R	LR	R	R	R	R	LR	R
Methyl acetate	R	NR	R	R	R	-	NR	R
Isopropyl acetate	R	R	R	R	R	LR	NR	R
Amyl alcohol	R	R	R	R	R	NR	R	R
Benzyl alcohol 100%	NR	NR	R	NR	NR	LR	R	R
Butyl alcohol	R	R	R	R	R	NR	R	NR
Ethanol	R	R	R	R	R	R	R	R
Isopropanol	R	R	R	R	R	R	R	R
Methyl alcohol	R	R	R	R	R	R	R	R
Ammonium hydroxide	R	R	LR	R	R	R	R	LR
Potassium hydroxide(3N)	R	R	LR	R	R	LR	R	R
Sodium hydroxide(3N)	R	R	LR	R	R	R	R	R
Sodium hydroxide(6N)	R	R	NR	R	R	R	R	LR
Acetone	R	NR	LR	R	R	NR	NR	R
Cyclohexanone	NR	NR	NR	NR	NR	NR	NR	R
Methyl ethyl ketone	R	-	LR	R	R	NR	NR	R
Methyl isobutyl ketone	LR	NR	LR	R	R	NR	NR	LR
Cottonseed oil	R	-	R	R	R	R	R	LR
Lubricating oil	R	NR	R	R	R	R	R	R
Peanut oil	R	-	R	R	R	R	R	LR
Sesame oil	R	R	R	R	R	R	R	R
Phenylamine	LR	NR	R	LR	LR	NR	R	R
Dimethylformamide	NR	NR	NR	R	R	R	NR	R
Formaldehyde 37%	R	R	R	R	R	R	NR	R
Gasoline	LR	LR	LR	LR	LR	NR	R	R
Hexane	LR	NR	LR	LR	LR	NR	R	NR
Kerosene	R	R	R	R	R	NR	R	NR
Phenol	R	NR	R	R	R	NR	R	NR
Turpentine	LR	LR	LR	LR	LR	NR	R	NR
Water	R	R	R	R	R	LR	R	R
Acetonitrile	LR	R	R	R	R	-	NR	R
Acrylonitrile	R	R	R	R	R	-	NR	R
Molybdenum sulfate	R	-	R	R	R	R	-	R

Note:R= Resistant NR= Not Resistant LR=Limited Resistant - =Not Testing
This chart is intended only as a reference