TYPICALS APPLICATIONS

Pharmaceutical industry

Electronics industry

Ink industry

Food and beverage industry

Chemical industry

Pharmaceutical industry

- Clarification of fermentation broth, blood products, antitoxins and other products;
- Filtration and purification of drug raw material powders, solutions, and suspensions;
- Filtration of aerosol particles and microorganisms in the air;
- Pure water sterilization, heat removal, drug sterilization;
- Filtration of hormones, activated carbon, medicinal syrups, vitamin extractor.

Electronics industry

- Battery slurry, cooling water filtration; Lithium iron phosphate iron removal;
- Filtration of aerosol impurities such as solid particles, water droplets and oil mists in the air.
- Terminal treatment of ultrapure water in the semiconductor industry, integrated circuits, and cleaning water.
- Removal of impurities in hydrogen to prevent damage to the catalyst and electrodes of fuel cells.
- Removal of particulate impurities and metal ions in dehumidified electronic chemicals; removal of harmful gases generated during the electroplating process.

Ink industry

- Filtration of electrophoretic paints, pre-treatment liquids, topcoats and raw materials for paints;
- Removal of particulate impurities after mixing and reaction;
- Removal of agglomerated lumps of gelatinous paints;
- Filtration of particles whose grinding fineness is not up to standard;

Food and beverage industry

- Filtration of various kinds of process water, Syrup and other raw materials;
- Removal of impurities produced in the blending process;
- Security filtration before filling; removal of fibers, gels, oils, etc. in paints;
- Filtration of suspended matter, microorganisms, odor, pigment, mold and other impurities in beverages

Chemical industry

- Recovery of catalysts and precious metals;
- Recovery of activated carbon, adsorbent, electroplating solution, etc;
- Effectively removing impurities, suspended matters, oils, etc. in materials;
- Filtration of high viscosity chemical products, cooling liquid circulation filtration;
- Commonly used in fine chemical raw materials and lubricating oil production, filtering impurities, colloids and microorganisms;
- Used in chemical and petroleum pipeline pre-filtration, and crude oil pre-treatment, separating sediment, rust and some impurities;

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01

FILTER CONSUMABLES

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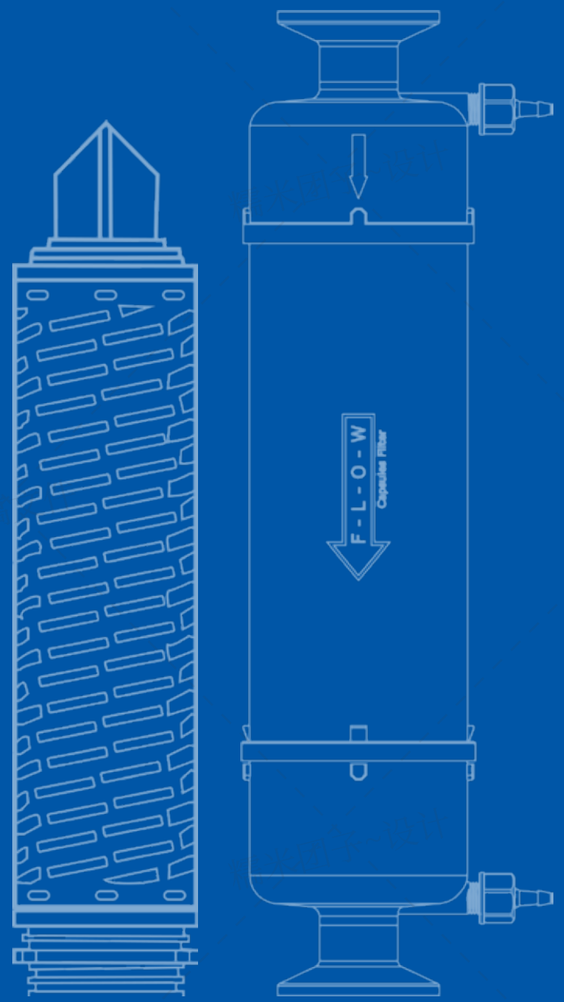
Filter Bag



OMELA
INDUSTRIAL FILTERS

PLEATED FILTER CARTRIDGE

IPS Series PES Membrane Filter Cartridge

Product Introduction

The IPS series pleated filter cartridge is made of asymmetric polyethersulfone membrane and special flow-guiding materials with scientific design and M-type pleat structure, features high resistance to acid, alkali, corrosion and high temperature, steam sterilizable, can be used for final sterile filtration of liquids.

Feature and Benefit

- Asymmetric membrane structure
- High dirt-holding capacity and high throughput
- High filtration efficiency
- Low protein binding
- Low extractables
- Wide chemical compatibility
- 100% integrity tested
- Rinsed with pure water, no medium shedding

Typical Applications

- Large volume parenteral filtration
- Microbial fermentation filtration
- Animal vaccines sterile filtration
- Injections sterile filtration
- Buffer sterilization filtration
- Water for injection filtration
- Ink filtration
- Electronic chemicals and photoresists
- Fine filtration of wine, juice, and tea beverages
- Process water sterile filtration

Cartridge Dimensions

Outer Diameter	ϕ 69 mm
Inner Diameter	ϕ 33 mm
Length	5-40 in
Filtration Area	0.65 m^2/10in

Materials of Construction

Filter Media	Asymmetric PES Membrane
Support Layers	Polypropylene / Polyester
Outer Cage	Polypropylene
Inner Core	Polypropylene / Stainless Steel
End Cap	Polypropylene / Stainless Steel

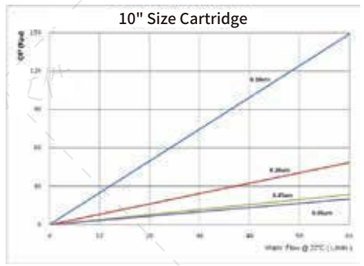
Cartridge safety

Endotoxin	<0.25 EU/ml
Extractables	<0.03 g/10"

Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42 Mpa/25°C 0.20 Mpa/85°C
Reverse Flow Direction	0.21 Mpa/25°C
Steam Sterilization	Steam Sterilization for 30 Minutes at 121±2°C, Autoclave Sterilization for 30 Min/Cycle
Hot Water Sterilization	85°C for 30 Min △P ≤ 0.15 Mpa

Performance Characteristics



ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING
IPS	PES	004	0.04	05	5	AO	DOE	S	Silicone
		010	0.10	10	10	BN	222/FIN	V	Viton
		020	0.20	20	20	CN	226/FIN	E	EPDM
		045	0.45	30	30	BF	222/FLAT SEAL	N	Nitrile
		065	0.65	40	40	DF	215/FLAT SEAL	T	Teflon(Encaptulated)
		120	1.20						

DIPS Series PES Membrane Filter Cartridge

Product Introduction

The DIPS series pleated filter cartridge incorporates double layer asymmetric polyethersulfone membranes, provides excellent filtration performance and reliable bacterial retention, quite suitable for critical final sterile filtration in biopharmaceutical industry.

Feature and Benefit

- Double-layer membrane filtration, absolute rate
- Asymmetric membrane structure
- Large dirt holding capacity, long service life
- Low protein binding
- Low extractables
- Wide chemical compatibility
- 100% integrity tested
- Rinsed with pure water, no medium shedding

Typical Applications

- Large volume parenteral filtration
- Raw material liquid sterile filtration
- Vaccine sterilization filtration
- Ink filtration
- Electronic chemicals and photoresists
- Sterile filtration for lyophilized powder injections
- Blood serum sterile filtration
- Sterile filtration of eye drops
- Fine filtration of wine, juice, and tea beverages
- Process water sterile filtration

Cartridge Dimensions

Outer Diameter	ϕ 69 mm
Inner Diameter	ϕ 33 mm
Length	5-40 in
Filtration Area	2*0.60 m^2/10in

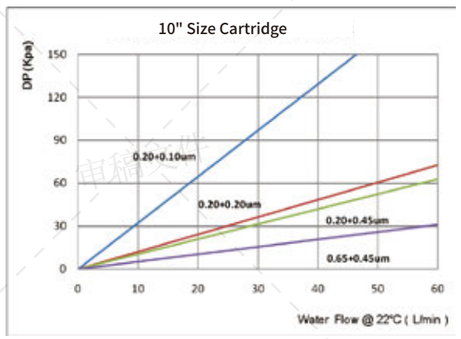
Cartridge safety

Endotoxin	<0.25 EU/ml
Extractables	<0.03 g/10"

Materials of Construction

Filter Media	Double Layer PES Membrane
Support Layers	Polypropylene / Polyester
Outer Cage	Polypropylene
Inner Core	Polypropylene / Stainless Steel
End Cap	Polypropylene / Stainless Steel

Performance Characteristics



Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42 Mpa/25°C 0.20 Mpa/85°C
Reverse Flow Direction	0.21 Mpa/25°C
Steam Sterilization	Steam Sterilization for 30 Minutes at 121±2°C, Autoclave Sterilization for 30 Min/Cycle
Hot Water Sterilization	85°C for 30 Min △P ⩽ 0.15 Mpa

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING
DIPS	PES	2010	0.20+0.10	5	5	AO	DOE	S	Silicone
		2020	0.20+0.20	10	10	BN	222/FIN	V	Viton
		4520	0.45+0.20	20	20	CN	226/FIN	E	EPDM
		6545	0.65+0.45	30	30	BF	222/FLAT SEAL	N	Nitrile
				40	40	DF	215/FLAT SEAL	T	Teflon(Encaptulated)

DPS Series PES Membrane Filter Cartridge

Product Introduction

The DPS series pleated filter cartridge is made of symmetric polyethersulfone membranes and special flow-guiding materials, with characteristics of thermal welded, no adhesives, absolute rate, high flow and throughput, corrosion-resistant, heat-resistant, and steam sterilizable, suitable for re-filtration or final filtration of liquids.

Feature and Benefit

- Symmetrical membrane structure, higher filtration efficiency
- Good throughput and anti-pollution
- Low protein binding
- Low extractables
- Wide chemical compatibility
- 100% integrity tested
- Rinsed with pure water, no medium shedding

Typical Applications

- Buffer sterilization filtration
- Process water filtration
- Protein solution filtration
- Ink filtration
- Electronic chemicals and photoresists
- Culture medium filtration
- Biological product filtration
- Antibiotic filtration
- Fine filtration of wine, juice, and tea beverage
- Process water sterile filtration

Cartridge Dimensions

Outer Diameter	ϕ 69 mm
Inner Diameter	ϕ 33 mm
Length	5-40 in
Filtration Area	0.65 m^2/10in

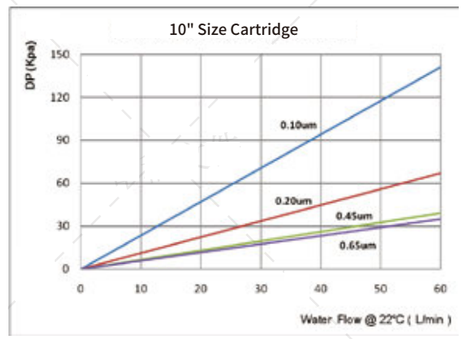
Cartridge safety

Endotoxin	<0.25 EU/ml
Extractables	<0.03 g/10"

Materials of Construction

Filter Media	PES Membrane
Support Layers	Polypropylene / Polyester
Outer Cage	Polypropylene
Inner Core	Polypropylene / Stainless Steel
End Cap	Polypropylene / Stainless Steel

Performance Characteristics



Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42 Mpa/25°C 0.20 Mpa/85°C
Reverse Flow Direction	0.21 Mpa/25°C
Steam Sterilization	Steam Sterilization for 30 Minutes at 121±2°C, Autoclave Sterilization for 30 Min/Cycle
Hot Water Sterilization	85°C for 30 Min △P ⩽ 0.15 Mpa

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING
DPS	PES	010	0.10	05	5	AO	DOE	S	Silicone
		020	0.20	10	10	BN	222/FIN	V	Viton
		045	0.45	20	20	CN	226/FIN	E	EPDM
		065	0.65	30	30	BF	222/FLAT SEAL	N	Nitrile
		120	1.20	40	40	DF	215/FLAT SEAL	T	Teflon(Encaptulated)

DDPS Series Double-layer PES Membrane Filter Cartridge

Product Introduction

The DDPS series pleated filter cartridge features a unique double layer symmetric polyethersulfone membranes, thermal welded without any adhesive, provides excellent filtration performance and reliable bacterial retention, suitable for biopharmaceutical sterile filtration.

Feature and Benefit

- Double-layer membrane for reliable retention
- Symmetric membrane structure
- Low protein binding
- Low extractables
- Wide chemical compatibility
- 100% integrity tested
- Rinsed with pure water, no medium shedding

Typical Applications

- Large volume parenteral filtration
- Raw material liquid sterile filtration
- Vaccine sterilization filtration
- Ink filtration
- Electronic chemicals and photoresists
- Sterile filtration for lyophilized powder injections
- Blood serum sterile filtration
- Sterile filtration of eye drops
- Fine filtration of wine, juice, and tea beverages
- Process water sterile filtration

Cartridge Dimensions

Outer Diameter	ϕ 69 mm
Inner Diameter	ϕ 33 mm
Length	5-40 in
Filtration Area	0.65 m^2/10in

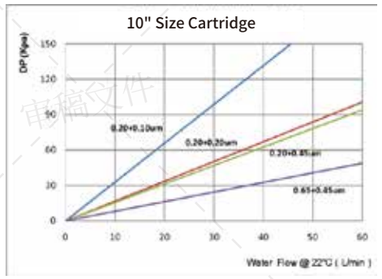
Cartridge safety

Endotoxin	<0.25 EU/ml
Extractables	<0.03 g/10"

Materials of Construction

Filter Media	Double Layer PES Membrane
Support Layers	Polypropylene / Polyester
Outer Cage	Polypropylene
Inner Core	Polypropylene / Stainless Steel
End Cap	Polypropylene / Stainless Steel

Performance Characteristics



Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42 Mpa/25°C 0.20 Mpa/85°C
Reverse Flow Direction	0.21 Mpa/25°C
Steam Sterilization	Steam Sterilization for 30 Minutes at 121±2°C, Autoclave Sterilization for 30 Min/Cycle
Hot Water Sterilization	85°C for 30 Min △P ⩽ 0.15 Mpa

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING
DDPS	PES	2010	0.20+0.10	05	5	AO	DOE	S	Silicone
		2020	0.20+0.20	10	10	BN	222/FIN	V	Viton
		4520	0.45+0.20	20	20	CN	226/FIN	E	EPDM
		6545	0.65+0.45	30	30	BF	222/FLAT SEAL	N	Nitrile
				40	40	DF	215/FLAT SEAL	T	Teflon(Encaptulated)

PN/PNN Series Nylon Membrane Filter Cartridge

Product Introduction

The PN/PNN series pleated filter cartridge incorporate naturally hydrophilic and robust nylon membranes with high performance and low extractables, which are well resistant to solvents, corrosion and high temperatures and can be steam-sterilized. These filters are ideal for final filtration of injection water, organic solvents, and alkaline solutions in the biopharmaceutical industry.

Feature and Benefit

- Naturally hydrophilic, anti-pollution
- High filtration accuracy and dirt-holding capacity
- Low protein binding
- Low extractables
- Wide chemical compatibility
- 100% integrity tested
- Rinsed with pure water, no medium shedding

Typical Applications

- Large volume parenteral and injection filtration
- Organic solvent filtration
- Pharmaceutical intermediate filtration
- Ink filtration
- Electronic chemicals and photoresists
- Water for injection filtration
- alkaline solutions filtration
- Terminal sterilizing filtration
- Fine filtration of wine, juice, and tea beverages
- Process water sterile filtration

Cartridge Dimensions

Outer Diameter	ϕ 69 mm
Inner Diameter	ϕ 33 mm
Length	5-40 in
Filtration Area	0.65 m^2/10in

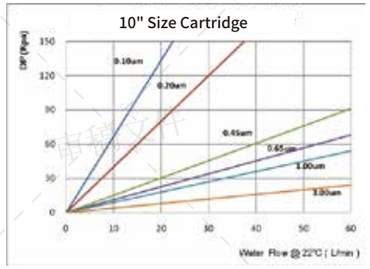
Cartridge safety

Endotoxin	<0.25 EU/ml
Extractables	<0.03 g/10"

Materials of Construction

Filter Media	Nylon Membrane
Support Layers	Polypropylene / Polyester
Outer Cage	Polypropylene
Inner Core	Polypropylene / Stainless Steel
End Cap	Polypropylene / Stainless Steel

Performance Characteristics



Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42 Mpa/25°C 0.20 Mpa/85°C
Reverse Flow Direction	0.21 Mpa/25°C
Steam Sterilization	Steam Sterilization for 30 Minutes at 121±2°C, Autoclave Sterilization for 30 Min/Cycle
Hot Water Sterilization	85°C for 30 Min △P ⩽ 0.15 Mpa

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING
PN	Nylon 6	010	0.10	05	5	AO	DOE	S	Silicone
PNN	Nylon 66	020	0.20	10	10	BN	222/FIN	V	Viton
		045	0.45	20	20	CN	226/FIN	E	EPDM
		065	0.65	30	30	BF	222/FLAT SEAL	N	Nitrile
		100	1.00	40	40	DF	215/FLAT SEAL	T	Teflon(Encapsulated)
		300	3.00						
		500	5.00						

HPV Series PVDF Membrane Filter Cartridge

Product Introduction

HPV series pleated filter cartridge is made of high performance polyvinylidene fluoride membrane with unique membrane structure, which provide excellent filtration efficiency, high dirt holding capacity and chemical stability, have good resistance to corrosion and high temperature, these filters are steam sterilizable, suitable for final filtration of viscous liquids or liquids with colloids, suspended solids.

Feature and Benefit

- Unique membrane pore structure
- High dirt holding capacity,fast flow rate
- Low protein binding
- Low dissolution
- Wide chemical compatibility
- 100% integrity test
- Flush with pure water,no fiber releasing

Typical Applications

- Filtration of pharmaceutical intermediates
- Organic solvent filtration
- Viscous liquid filtration
- Ink filtration
- Electronic chemicals, photoresist
- Biologics filtration
- Corrosive liquid filtration
- Ultra pure water terminal filtration
- Wine, juice, tea beverage fine filter
- Bactericidal filtration of production water

Cartridge Dimensions

Outer Diameter	ϕ 69 mm
Inner Diameter	ϕ 33 mm
Length	5-40"
Filtration Area(m2)	0.65 m² per 10''

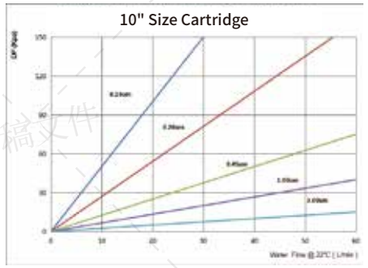
Cartridge safety

Endotoxin	<0.25EU/ml
Extractables	<0.03g/10"

Materials of Construction

Filter Media	Hydrophilic PVDF Membrane
Support Layers	Polypropylene
Outer Cage	Polypropylene
Inner Core	Polypropylene/Stainless Steel
End Cap	Polypropylene/Stainless Steel

Performance Characteristics



Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42Mpa/25°C , 0.20Mpa/80°C
Reverse Flow Direction	0.20Mpa/25°C
Sterilization	Steam Sterilization for 30 Minutes at 121±2 °C, Autoclave 30minutes (optional)

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING / GASKET
HPV	Hydrophilic PVDF	010	0.10	05	5	AO	220	S	Silicone
		020	0.20	10	10	BN	222/FIN	V	Viton
		045	0.45	20	20	CN	226/FIN	E	EPDM
		065	0.65	30	30	BF	222/FLAT SEAL	N	Nitrile
		100	1.00	40	40	DF	215/FLAT SEAL	T	Teflon(Encaptulated)
		300	3.00						
		500	5.00						

PF Series PTFE Membrane Filter Cartridge

Product Introduction

PF series pleated filter cartridge is designed for air and gas filtration, using a naturally hydrophobic PTFE membrane with outstanding performance, these filters feature wide chemical compatibility, acid and alkali resistance, corrosion resistance, and high temperature resistance, can be steam sterilized, much suitable for gas applications or aggressive solutions.

Feature and Benefit

- Strong natural hydrophobic properties
- High filtration accuracy, absolute sterilization
- Low pressure drop ,high dirt holding capacity and
- long service life
- Wide chemical compatibility
- 100% integrity tested before final assembly
- Flush with pure water,no fiber releasing

Typical Applications

- High temperature steam purification and filtration
- Air filtration in aseptic packaging;
- Tank vent, Fermentation air;
- Chemical reagent filtration
- Compressed gas sterile filtration
- Strong corrosive material liquid filtration
- Sterilization of wine
- Turbidity removal filtration

Cartridge Dimensions

Outer Diameter	ϕ 69 mm
Inner Diameter	ϕ 33 mm
Length	5-40"
Filtration Area(m2)	0.65 m² per 10''

Materials of Construction

Filter Media	Hydrophobic PTFE membrane
Support Layers	Polypropylene
Outer Cage	Polypropylene
Inner Core	Polypropylene/Stainless Steel
End Cap	Polypropylene/Stainless Steel

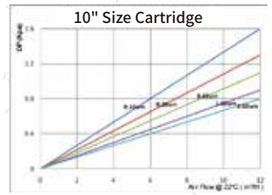
Cartridge safety

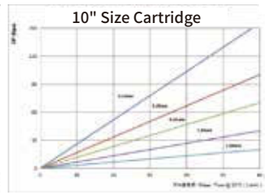
Endotoxin	＜0.25 EU/ml
Extractables	0.03g / 10"

Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42Mpa/25°C 0.20Mpa/85°C
Reverse Flow Direction	0.21Mpa/25°C
Sterilization	Steam Sterilization for 30 minutes at 121±2 °C, Autoclave 30minutes (optional)

Performance Characteristics





ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING / GASKET
IPF	Hydrophobic PTFE	010	0.10	05	5	AO	220	S	Silicone
		020	0.20	10	10	BN	222/FIN	V	Viton
		045	0.45	20	20	CN	226/FIN	E	EPDM
		065	0.65	30	30	BF	222/FLAT SEAL	N	Nitrile
		100	1.00	40	40	DF	215/FLAT SEAL	T	Teflon(Encaptulated)
		300	3.00						
		500	5.00						

HPF Series PTFE Membrane Filter Cartridge

Product Introduction

HPF series pleated filter cartridge is made of permanent hydrophilic PTFE filter membrane. It has excellent tolerance and chemical stability, very low dissolution, acid and alkali resistance, corrosion resistance, oxidation resistance, high temperature resistance, steam sterilization.Suitable for liquid purification and turbidity removal or terminal sterilization filtration.

Feature and Benefit

- Permanent hydrophilic properties, easy to use, no pretreatment required
- High filtration accuracy, absolute sterilization
- Large amount of pollution, long service life
- Very low dissolution
- Wide chemical compatibility
- 100% integrity test
- Flush with pure water,no fiber releasing

Typical Applications

- Pharmaceutical terminal sterilization filtration
- Organic solvent filtration
- Strong corrosive material liquid filtration
- High temperature steam filtration
- Sterilization of wine
- High temperature ultra-pure water filtration
- Filtration of pharmaceutical intermediates
- Strong oxidizing solution filtration
- Turbidity removal filtration

Cartridge Dimensions

Outer Diameter	ϕ 69 mm
Inner Diameter	ϕ 33 mm
Length(Based on DOE End Caps)	5-40"
Filtration Area(m2)	0.65 m² per 10''

Cartridge safety

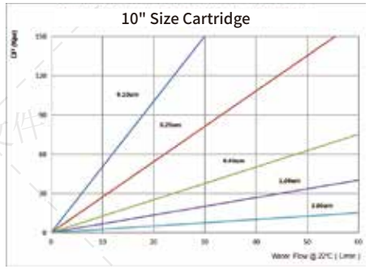
Endotoxin	＜0.25 EU/ml
Extractables	0.03g / 10"

Materials of Construction

Filter Media	Hydrophilic PTFE membrane
Support Layers	Polypropylene
Outer Cage	Polypropylene
Inner Core	Polypropylene/Stainless Steel
End Cap	Polypropylene/Stainless Steel

Performance Characteristics

10" Size Cartridge



Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42Mpa/25°C , 0.20Mpa/80°C
Reverse Flow Direction	0.20Mpa/25°C
Sterilization	Steam Sterilization for 30 Minutes at 121±2 °C, Autoclave 30minutes (optional)

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(inch)	CODE	END CAP	CODE	O-RING / GASKET
HIPF	Hydrophilic PTFE	010	0.10	05	5	AO	220	S	Silicone
		020	0.20	10	10	BN	222/FIN	V	Viton
		045	0.45	20	20	CN	226/FIN	E	EPDM
		065	0.65	30	30	BF	222/FLAT SEAL	N	Nitrile
		100	1.00	40	40	DF	215/FLAT SEAL	T	Teflon(Encaptulated)
		300	3.00						
		500	5.00						

CN-CA Series Mixed Cellulose Membrane Filter Cartridge

Product Introduction

CN-CA series pleated filter cartridge is made of hydrophilic mixed cellulose membrane,thermal bonded,no adhesives, scientific fluid structure design. It has the characteristics of high filtration accuracy, fast flow rate, low protein adsorption and good biocompatibility. Suitable for pre-filtration for the biopharmaceutical industry or terminal filtration of non-sterile APIs.

Feature and Benefit

- Naturally hydrophilic mixed cellulose esters(CN-CA) membrane
- High filtration accuracy and large throughput
- High dirty capacity, long service life
- Very low dissolution
- Wide chemical compatibility
- 100% integrity test
- Flush with pure water, no fiber releasing

Typical Applications

- Pre-filtration of biological products
- Pre-filtration of vaccines
- Filtration of the viscous liquid
- Serum prefiltration
- Prefiltration of pharmaceutical intermediates
- Process water filtration

Cartridge Dimensions

Outer Diameter	ϕ 69 mm
Inner Diameter	ϕ 33 mm
Length(Based on DOE End Caps)	5-40"
Filtration Area(m2)	0.65 m² per 10''

Cartridge safety

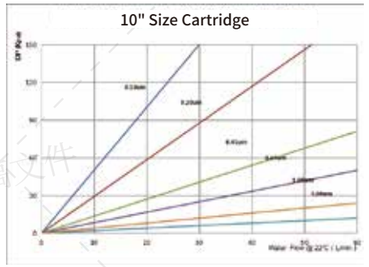
Endotoxin	＜0.25 EU/ml
Extractables	0.03g / 10"

Materials of Construction

Filter Media	Mixed Cellulose Membrane
Support Layers	Polypropylene
Outer Cage	Polypropylene
Inner Core	Polypropylene/Stainless Steel
End Cap	Polypropylene/Stainless Steel

Performance Characteristics

10" Size Cartridge



Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42Mpa/25°C 0.20Mpa/80°C
Reverse Flow Direction	0.20Mpa/25°C
Sterilization	Steam Sterilization for 30 minutes at 121±2 °C, Autoclave 30minutes (optional)

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(inch)	CODE	END CAP	CODE	O-RING / GASKET
CNCA	Mixed Cellulose Membrane	010	0.10	05	5	AO	220	S	Silicone
		020	0.20	10	10	BN	222/FIN	V	Viton
		045	0.45	20	20	CN	226/FIN	E	EPDM
		065	0.65	30	30	BF	222/FLAT SEAL	N	Nitrile
		100	1.00	40	40	DF	215/FLAT SEAL	T	Teflon(Encaptulated)
		300	3.00						
		500	5.00						

DPP Series Polypropylene Pleated Filter Cartridge

Product Introduction

DPP series pleated filter cartridge is made of a new generation of polypropylene nanofiber filter membrane.Its characteristics: deep filter structure design, thermal bonded,no adhesives,very low dissolution, the characteristics of high efficiency, high throughput and long service life.Suitable for liquid or gas filtration.

Feature and Benefit

- A new generation of nanofiber membrane, high filtration efficiency
- Deep filtration, larger amount of pollution, long service life
- Wide chemical compatibility
- Very low dissolution
- Flush with pure water, no fiber releasing

Typical Applications

- Pre-filtration of biological products
- Filtration of pharmaceutical intermediates
- Organic solvent filtration
- Ink filtration
- Electronic chemicals, photoresist filtration
- Raw material filtration
- Chemical reagent filtration
- Compressed gas pre-filtration
- Fine filtration of Wine, juice,tea,
- Bactericidal filtration of production water

Cartridge Dimensions

Outer Diameter	ϕ 69 mm
Inner Diameter	ϕ 33 mm
Length(Based on DOE End Caps)	5-40"
Filtration Area(㎡)	0.65 m² per 10''

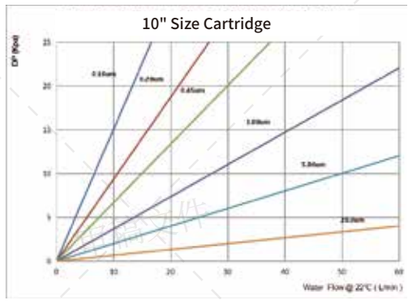
Cartridge safety

Endotoxin	＜0.25 EU/ml
Extractables	0.03g / 10"

Materials of Construction

Filter Media	Nanofiber Polypropylene Filter Membrane
Support Layers	Polypropylene
Outer Cage	Polypropylene
Inner Core	Polypropylene/Stainless Steel
End Cap	Polypropylene/Stainless Steel

Performance Characteristics



Operating Conditions

Max.Operating Temperature	80°C
Normal Flow Direction	0.42Mpa/25°C　　0.20Mpa/80°C
Reverse Flow Direction	0.21 Mpa/25°C
Steam Sterilization	Steam Sterilization for 30 Minutes at 121±2 °C, Autoclave 30 Minutes (Optional)
Hot Water Sterilization	85°C 30min Differential Pressure≤0.15 Mpa

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING / GASKET
DPP	Polypropylene Membrane	010	0.10	05	5	AO	220	S	Silicone
		020	0.20	10	10	BN	222/FIN	V	Viton
		045	0.45	20	20	CN	226/FIN	E	EPDM
		100	1.00	30	30	BF	222/FLAT SEAL	N	Nitrile
		300	3.00	40	40	DF	215/FLAT SEAL	T	Teflon(Encaptulated)
		500	5.00						
		1000	10.0						
		2000	20.0						

IPP Series Polypropylene Pleated Filter Cartridge

Product Introduction

The IPP series pleated filter cartridge uses polypropylene nanofiber filter membrane, featuring a deep filtration structure design.Its characteristics: thermal bonding without any adhesive, low initial pressure drop, high flow rate, high dirt holding capacity, and long service life. Suitable for the prefiltration of liquids or the terminal load reduction filtration of non-sterile active pharmaceutical ingredients.

Feature and Benefit

- Nano-fiber membranes, high filtration efficiency
- Deep filtration, high dirt holding capacity
- Wide chemical compatibility
- Low protein binding
- Extremely low leachables
- Pure water rinse, no medium shedding

Typical Applications

- Biopharmaceutical prefiltration
- Pharmaceutical intermediate filtration
- Organic solvent filtration
- Ink filtration
- Electronic chemicals, photoresist filtration
- API pre-filtration
- Large volume infusion, syringe pre-filtering
- Guard filtration
- Wine, fruit juice, and tea beverage fine filtration
- Production water sterilization filtration

Specifications

Outer Diameter	ϕ69mm
Inner Diameter	ϕ33mm
Length	5-40in
Filtration Area	0.4~0.6m²/10in

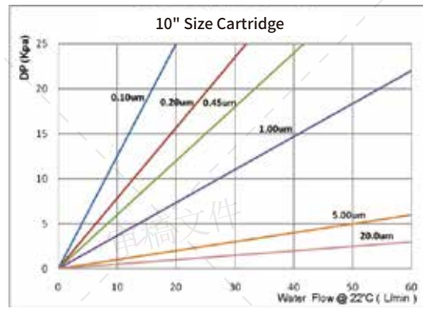
Cartridge safety

Endotoxin	＜0.25 EU/ml
Extractables	＜0.03g /10"

Materials of Construction

Filter Media	Nanofiber Polypropylene Filter Membrane
Support Layers	Polypropylene
Outer Cage	Polypropylene
Inner Core	Polypropylene/Stainless Steel
End Cap	Polypropylene/Stainless Steel

Performance Characteristics



Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42 Mpa/25°C　　0.20 Mpa/85°C
Reverse Flow Direction	0.21 Mpa/25°C
Steam Sterilization	Steam Sterilization at 121±2°C for 30 Min, Autoclave Sterilization for 30 Min
Hot Water Sterilization	85°C 30 Min　　△P≤0.15 Mpa

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING/GASKET
IPP	Polypropylene	010	0.10	05	5	AO	220	S	Silicone
		020	0.20	10	10	BN	222/FIN	V	Viton
		045	0.45	20	20	CN	226/FIN	E	EPDM
		100	1.00	30	30	BF	222/FLAT SEAL	N	Nitrile
		300	3.00	40	40	DF	215/FLAT SEAL	T	Teflon(Encaptulated)
		500	5.00						
		1000	10.0						
		2000	20.0						

RPP Series Multi-layer Polypropylene Pleated Filter Cartridge

Product Introduction

The RPP series pleated filter cartridge uses polypropylene nanofiber membranes and special diversion materials, featuring a multi-layer gradient filtration precision design, thermal bonding without any adhesive. Suitable for the prefiltration of liquids containing colloids, high viscosity, and high suspended solids, or for the terminal filtration of non-sterile active pharmaceutical ingredients.

Feature and Benefit

- Gradient filtering precision, higher filtering efficiency
- High dirt holding capacity, long service life
- Initial pressure difference is low, flow rate is high
- Broad chemical compatibility
- Extremely low leachables
- Rinse with pure water, no media shedding

Typical Applications

- Biopharmaceutical prefiltration
- High suspended particulate filtration
- Corrosive liquid filtration
- Pharmaceutical intermediate filtration
- Filtration of viscous liquids
- Guard filtration
- Wine, fruit juice, and tea beverage fine filtration
- Production water sterilization filtration
- Ink filtration
- Electronic chemicals, photoresist filtration

Size specifications

Outer Diameter	ϕ69mm
Inner Diameter	ϕ33mm
Length	5-40in
Filtration Area	0.3~0.5m²/10in

Cartridge safety

Endotoxin	＜0.25 EU/ml
Extractables	＜0.03g / 10"

Operating Conditions

Max.Operating Temperature	85℃
Normal Flow Direction	0.42Mpa/25℃ 0.20Mpa/80℃
Reverse Flow Direction	0.21 Mpa/25℃
Steam Sterilization	Steam Sterilization at 121±2℃ for 30 Min, Autoclave Sterilization for 30 Min
Hot Water Sterilization	85℃ 30 Min △P≤0.15 Mpa

Materials of Construction

Filter Media	Multiple Layers Polypropylene
Support Layers	Polypropylene
Outer Cage	Polypropylene
Inner Core	Polypropylene/Stainless Steel
End Cap	Polypropylene/Stainless Steel

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING / GASKET
RPP	Polypropylene	010	0.10	05	5	AO	220	S	Silicone
		020	0.20	10	10	BN	222/FIN	V	Viton
		045	0.45	20	20	CN	226/FIN	E	EPDM
		100	1.00	30	30	BF	222/FLAT SEAL	N	Nitrile
		300	3.00			DF	215/FLAT SEAL	T	Teflon(Encaptulated)
		500	5.00						
		1000	10.0						

GF Series Glass Microfiber Pleated Filter Cartridge

Product Introduction

The GF series pleated filter cartridge utilizes superfine borosilicate glass fiber filter membrane, which is a deep filtration material with strong adsorption properties. It features high particle interception efficiency, large dirt holding capacity, strong adsorption ability, and long service life. It is suitable for gas purification, oil removal, or clarification and turbidity removal in liquid filtration.

Feature and Benefit

- Ultrafine glass fiber membrane, higher filtration efficiency
- Strong adsorption performance, better capture effect
- Deep filtration, ultra-high dirt holding capacity
- Initial pressure difference is low, flow rate is high
- Broad chemical compatibility

Typical Applications

- Blood products prefiltration
- Animal Vaccine Pre-filtration
- High viscosity liquid filtration
- Ink filtration
- Electronic chemicals, photoresist filtration
- Medium, buffer filtration
- Corrosive liquid filtration
- Gas filtration for oil and impurity removal

Specifications

Outer Diameter	ϕ69mm
Inner Diameter	ϕ33mm
Length	5-40in
Filtration Area	0.4~0.6m²/10in

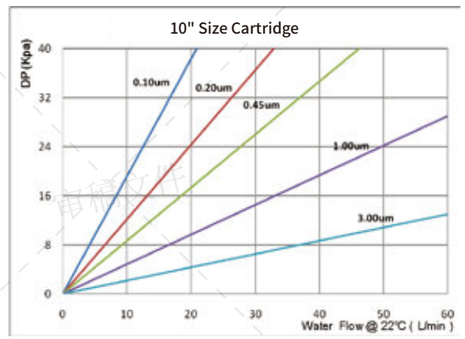
Cartridge safety

Endotoxin	＜0.25 EU/ml
Extractables	＜0.03g / 10"

Materials of Construction

Filter Media	Ultrafine Glass Fiber Membrane
Support Layers	Polypropylene
Outer Cage	Polypropylene
Inner Core	Polypropylene/Stainless Steel
End Cap	Polypropylene/Stainless Steel

Performance Characteristics



Operating Conditions

Max.Operating Temperature	85℃
Normal Flow Direction	0.42 Mpa/25℃ 0.20 Mpa/85℃
Reverse Flow Direction	0.21 Mpa/25℃
Steam Sterilization	Steam Sterilization at 121±2℃ for 30 Min, Autoclave Sterilization for 30 Min

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING/GASKET
GF	Glass Fiber	010	0.10	05	05	AO	220	S	Silicone
		020	0.20	10	10	BN	222/FIN	V	Viton
		045	0.45	20	20	CN	226/FIN	E	EPDM
		100	1.00	30	30	BF	222/FLAT SEAL	N	Nitrile
		300	3.00	40	40	DF	215/FLAT SEAL	T	Teflon(Encaptulated)

PBT Series All Polyester Pleated Filter Cartridge

Product Introduction

The PBT series of pleated filter cartridges use PBT nanofiber filter membranes, as well as PBT inner and outer frameworks and connectors. With a deep - filtration structure design, thermal bonding without any adhesive, excellent chemical stability, mechanical strength, and thermal stability, suitable for the prefiltration of high temperature fluids or the terminal filtration of non - sterile fluids.

Feature and Benefit

- High thermal stability, temperature resistance up to 120°C
- Deep filtration, ultra-high dirt holding capacity
- Extensive chemical compatibility and tolerance to large molecular alkanes
- Rinse with pure water, no medium shedding

Typical Applications

- API Pre-filtration
- High temperature steam pre-filtration
- Pre-filtration for edible and medicinal oils
- Organic solvents pre-filtration
- Pharmaceutical intermediates filtration

Materials of Construction

Filter Media	Nanofiber PBT Filter Membrane
Support Layers	PBT
Outer Cage	PBT
Inner Core	PBT/Stainless Steel
End Cap	PBT

Operating Conditions

Max.Operating Temperature	120°C
Normal Flow Direction	0.42 Mpa/25°C 0.20 Mpa/95°C
Reverse Flow Direction	0.21 Mpa/25°C
Sterilization	Steam Sterilization at 121±2°C for 30 Min, Autoclave Sterilization for 30 Min

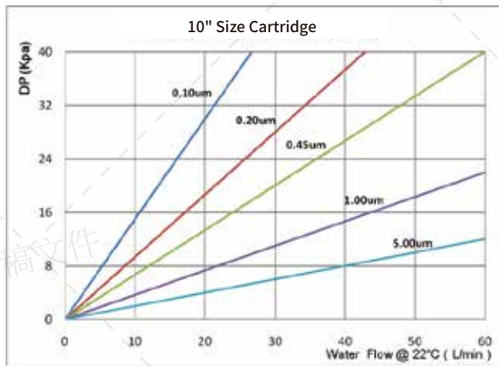
Cartridge safety

Endotoxin	＜0.25 EU/ml
Extractables	＜0.03g / 10"

Specifications

Outer Diameter	ϕ69mm
Inner Diameter	ϕ33mm
Length	5-40in
Filtration Area	0.4~0.6m²/10in

Performance Characteristics



ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING / GASKET
PBT	Polyester	010	0.10	10	10	AO	220	S	Silicone
		020	0.20	20	20	BN	222/FIN	V	Viton
		045	0.45	30	30	CN	226/FIN	E	EPDM
		100	1.00	40	40	BF	222/FLAT SEAL	N	Nitrile
		300	3.00			DF	215/FLAT SEAL	T	Teflon(Encaptulated)
		500	5.00						
		1000	10.0						

XF Series Junior Filter Cartridge

Product Introduction

The XF series of pleated filter cartridges is a small - sized filter product with diameters of 45mm and 56mm for small volume gases or liquids filtration. Filter membranes of different materials and with different precisions can be selected according to requirements. With thermal bonding, compact construction, small size, less loss of filter media and other features.

Feature and Benefit

- Optional filter membrane materials and accuracy
- Compact structure, small size, easy to use
- Less loss of filter media
- 100% integrity test
- Rinse with pure water, no fiber releasing

Typical Applications

- Biologics filtration
- Organic solvent filtration
- Small dose liquid filtration
- Medium filtration
- High purity reagent filtration
- Compressed gas filtration
- Corrosive liquid filtration
- Guard filtration

Materials of Construction

Filter Media	PP/GF/PES/PTFE/PVDF
Support Layers	Polypropylene
Outer Cage	Polypropylene
Inner Core	Polypropylene/Stainless Steel
End Cap	Polypropylene/Stainless Steel

Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42 Mpa/25°C 0.20 Mpa/80°C
Reverse Flow Direction	0.21 Mpa/25°C
Sterilization	Steam Sterilization at 121±2°C for 30 Min, Autoclave Sterilization for 30 Min

Specifications

Outer Diameter	ϕ56mm	ϕ45mm
Length	2.5 in, 5 in	1.5 in
Filtration Area	0.12 m²/2.5in 0.24 m²/5.0in	200~400cm²

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING / GASKET
XFP	PP	010	0.10	15	1.5	907	Insertion End	S	Silicone
XFS	PES	020	0.20	25	2.5	214	Insertion End	V	Viton
XFE	PTFE	045	0.45	50	5.0	216	Small clip	E	EPDM
XFF	PVDF	100	1.00			4N	1/2"NPT	N	Nitrile
		300	3.00					T	Teflon(Encaptulated)

AN Series All Nylon Pleated Filter Cartridge

Product Introduction

The AN (ALL-NYLON) series pleated filter cartridges feature that cage, core and end caps are all Nylon66 material, thermally welded without adhesives, these cartridges are natural hydrophilic with low extractables, provide excellent stability, robustness and thermal stability, available with nylon microfiber media or Nylon mesh for broad micron range, suitable for pre-filtration of liquids with high-temperature, coarse filtration of viscous fluids and final filtration of solvents.

Feature and Benefit

- Natural hydrophilicity and contamination resistance
- Wide filtration accuracy range and large contaminant holding capacity
- Low extractables
- Wide chemical compatibility
- Strong thermal stability, withstand temperatures up to 120°C
- Excellent tolerance to lipids, ethers and benzenes
- Rinsing with pure water, no fiber releasing

Typical Applications

- API pre-filtration
- High temperature steam pre-filtration
- Edible and pharmaceutical oil products pre-filtration
- Organic solvent pre-filtration
- Pharmaceutical intermediate filtration

Materials of Construction

Filter Media	Nylon Fiber Membrane/Nylon Screen
Support Layers	PA66
Outer Cage	PA66
Inner Core	PA66/with Stainless Steel
End Cap	PA66

Specifications

Outer Diameter	ф69mm
Inner Diameter	ф33mm
Length	10-40in
Filtration Area	0.4-0.6㎡/10"

Operating Conditions

Max.Operating Temperature.	120°C
Normal Flow Direction	0.42Mpa/25°C 0.20Mpa/95°C
Reverse Flow Direction	0.21Mpa/25°C
Steam Sterilization	Steam Sterilization for 30 Minutes at 121±2 °C Autoclave 30minutes

Cartridge safety

Endotoxin	<0.25EU/ml
Extractables	<0.03g/10

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING / GASKET
ANNN	Nylon 66 Membrane	010	0.10	10	10	AO	220	S	Silicone
ANNS	Nylon 66 Mesh	020	0.20	20	20	BN	222/FIN	V	Viton
XFE		045	0.45	30	30	CN	226/FIN	E	EPDM
XFF		500	5.00	40	40			N	Nitrile
		1000	10.00					T	Teflon(Encaptulated)
		20X	20.00						
		40X	40.00						
		100X	100.00						

ACTIVATED CARBON FILIER CARTRIDGE

ACF Series Activated Carbon Fiber Filter Cartridge

Product Introduction

The ACF series filter cartridges, utilizing a new generation of highly efficient active adsorption materials, have great adsorption performance. They can effectively remove odors from gases and residual chlorine, heavy metals, microorganisms, and oils from liquids. Suitable for decolorization, odor removal and adsorption of organic substances in liquid filtration.

Feature and Benefit

- High-efficiency activated carbon fiber function material
- Ultra-high specific surface area and extremely strong adsorption capability
- Dual filtration effect through physical interception and active adsorption
- Fast adsorption rate, large capacity, and long service life
- Broad chemical compatibility

Typical Applications

- Adsorption of odors
- Organic impurities, chlorine and heavy metal ions removal in bottled water industry
- Decolorization filtration
- Turbidity removal filtration
- Steam filtration
- Bacterial removal from alcoholic
- Alcohol clarification

Specifications

Outer Diameter	ф69mm
Inner Diameter	ф33mm
Length	5-40in
Activated Carbon Fiber Grams	40g/10in

Operating Conditions

Max.Operating Temperature	85°C
Normal Flow Direction	0.42Mpa/25°C 0.20Mpa/80°C
Flush with Hot Water	85°C 30min Differential Pressure≤ 0.15 MPa

Materials of Construction

Filter Media	Activated Carbon Fiber (ACF)
Support Layers	Polypropylene
Outer Cage	Polypropylene
Inner Core	Polypropylene
End Cap	Polypropylene/Stainless Steel

ORDER INFORMATION

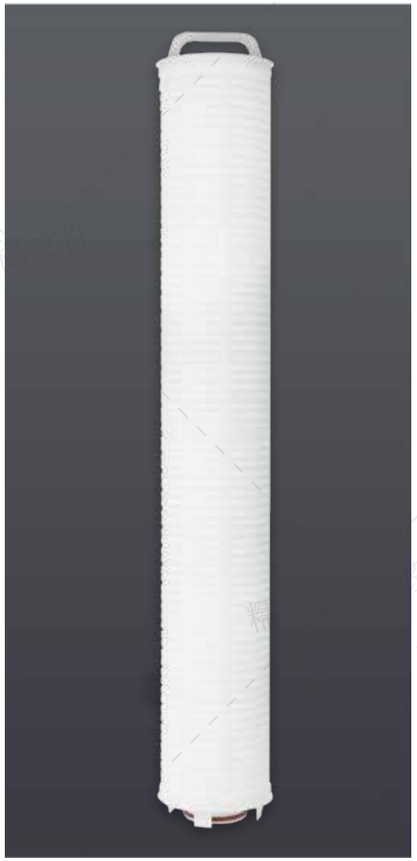
PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING/GASKET
ACF	Activated Carbon Fiber	045	0.45	5	5	AO	220	S	Silicone
		100	1.00	10	10	BN	222/FIN	V	Viton
		500	5.00	20	20	CN	226FIN	E	EPDM
		1000	10.00	30	30	BF	222/FLAT SEAL	N	Nitrile
				40	40	CF	215/FLAT SEAL	T	Teflon (Encaptulated)

HIGH-FLOW FILTER CARTRIDGE

HFM Series High Flow Filter Cartridge

Product Introduction

The HFM series high-flow filter cartridges feature a 154mm (6in.) diameter structure, with an effective filtration area of up to 6m² per cartridge and a design flow rate of 40m³/h. They employ an outside-in filtration method, are installed by insertion, and have a handle at the rear end for easy and convenient operation.



Feature and Benefit

- External-in and internal-out filtration mode, insertable installation
- Gradient filtration precision, high retention efficiency, large dirt-holding capacity
- High effective filtration area, low pressure drop, fast flow rate, high throughput
- Reinforced polypropylene support frame, high mechanical strength, excellent temperature and pressure resistance
- Hot melt welding, no adhesives, wide chemical compatibility
- Tail-end handle design, simple operation, convenient installation and maintenance

Typical Applications

- Pre-filtration for seawater desalination, security filtration for ultrafiltration, RO and other systems
- Filtration of condensate water and condensation water in power plants, and filtration for impurity removal in make-up water
- Purification and separation filtration of viscous fluids in petrochemical industry
- Filtration of process water, and solvents in biopharmaceutical industry
- Clarification and impurity removal in the food and beverage industry
- Filtration of corrosive liquids
- Guard filtration

Materials of Construction

Filter Media	Multilayer Polypropylene
Support Layers	Polypropylene
Inner and Outer Cages	Reinforced Polypropylene
End Caps	Reinforced Polypropylene

Operating Conditions

Max.Operating Temperature	80°C
Designed Discharge	40"/35m³/h
Differential Pressure	0.25Mpa/25°C
Recommended Replacement Pressure Difference for the Filter	0.25Mpa/25°C

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	O-RING/GASKET
HFM	Polypropylene	050	0.50	20	20	S	Silicone
		100	1.00	40	40	V	Viton
		500	5.00			E	EPDM
		1000	10.00			N	Nitrile
		2000	20.00			T	Teflon (Encaptulated)

HFP Series High Flow Filter Cartridge

Product Introductio

The HFP series high-flow filter cartridge adopts a 154mm (6in.) diameter reinforced polypropylene material shell, special diversion materials, and is designed with a wide flow channel and high dirt-holding capacity filtration structure. The cartridges are fully thermally welded without any adhesives. The liquid flows from the inside out, and the intercepted impurities remain inside the filter element. There is a handle on the top of the filter element, making it easy to operate and convenient to use when replacing the filter element.

Feature and Benefit

- External-in and internal-out filtration mode
- Large filtration area, low initial pressure difference, high flow rate
- Gradient filtration accuracy
- Large dirt-holding capacity and long service life
- Reinforced polypropylene support frame
- Tail-end convenient handle design

Typical Applications

- Pre-filtration for seawater desalination and water treatment, security filtration for UF and RO systems
- Filtration treatment for condensate, makeup water and condensate in power plants
- Filtration of large flow rate material liquids, medium and low viscosity solvents or chemical solutions
- Material separation or production water filtration for paints, coatings and resins
- Clarification and impurity removal filtration for milk, juice, beer, red wine, cola, etc.
- Guard filtration

Materials of Construction

Filter Media	Multilayer Polypropylene
Support Layers	Polypropylene
Inner and Outer Cages	Reinforced Polypropylene
End Caps	Reinforced Polypropylene

Operating Conditions

Max.Operating Temperature	80°C
Designed Discharge	40"/35m³/h
Differential Pressure	0.25Mpa/25°C
Recommended Replacement Pressure Difference for the Filter	0.25Mpa/25°C

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	O-RING/GASKET
HFP	Polypropylene	050	0.50	20	20	S	Silicone
		100	1.00	40	40	V	Viton
		500	5.00			E	EPDM
		1000	10.00			N	Nitrile
		2000	20.00			T	Teflon (Encaptulated)

HFD Series High Flow Filter Cartridge

Product Introduction

The HFD series high-flow filter cartridges feature a 152mm (6in.) diameter shell with reinforced polypropylene support skeletons. They have a large-space, high dirt-holding filtration structure, thermally welded without adhesives, ensuring temperature and pressure resistance. The cartridges offer a large effective filtration area, high flux, and a maximum design flow rate of 40 m^3/h. They are single-ended with a double-hole handle at the top, using an outside-in filtration method. The external support can be polypropylene skeletons or mesh, providing high mechanical strength and stable performance.

Feature and Benefit

- Gradient filtration accuracy, high retention efficiency, high dirty capacity
- Large effective filtration area, low initial pressure difference, fast flow speed, high throughput
- Reinforced polypropylene support frame, high mechanical strength, excellent temperature and pressure resistance
- External-to-internal filtration method
- Broad chemical compatibility
- End face dual-hole lifting ear design, easy operation, convenient installation and maintenance

Typical Applications

- Pretreatment for seawater desalination, security filtration for ultrafiltration and reverse osmosis
- Condensate water filtration in power plants, purification and impurity removal filtration for make-up water
- Filtration of raw materials, solutions and process water in the biopharmaceutical industry
- Filtration of production water, material separation and clarification in food and beverage production
- Filtration of corrosive liquids
- Guard Filtration

Materials of Construction

Filter Media	Multilayer Polypropylene
Support Layers	Polypropylene
Inner and Outer Cages	Reinforced Polypropylene
End Caps	Reinforced Polypropylene

Operating Conditions

Max.Operating Temperature	80°C
Designed Discharge	40"/35m^3/h
Differential Pressure	0.25Mpa/25°C
Recommended Replacement Pressure Difference for the Filter	0.25Mpa/25°C

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	O-RING/GASKET
HFD	Polypropylene	050	0.50	20	20	S	Silicone
		100	1.00	40	40	V	Viton
		500	5.00			E	EPDM
		1000	10.00			N	Nitrile
		2000	20.00			T	Teflon (Encaptulated)

LF Series High Flow Filter Cartridge

Product Introduction

The LF series filter cartridge is available in two diameters: 83mm and 130mm. Different filter membrane materials and filtration accuracy can be selected according to requirements.
It features an enhanced polypropylene body and is manufactured by hot melt welding, offering a large filtration area, fast flow rate, and high flow capacity. Suitable for cleaning water filtration or corrosive liquid filtration in the electronics industry.

Feature and Benefit

- Large effective filter area and high throughput
- High filtration efficiency, large dirty holding capacity, and long service life
- Broad chemical compatibility
- Hot melt welded without any adhesives
- 100% integrity tested
- Rinsing with pure water, no fiber releasing

Typical Applications

- Pre-filtration for seawater desalination and water treatment, security filtration for Semiconductor process water filtration
- Large volume of clarification and sterile filtration in Food&beverage industry
- Semiconductor or other electronic industrial processes water purification
- High pressure and flow rate water filtration in pharmaceutical and chemical industry

Materials of Construction

Filter Media	PP/PES
Support Layers	PP
Outer Cage	PP
Inner Core	PP
End Cap	PP/with Stainless Steel

Operating Conditions

Max.Operating Temperature	80°C
Normal Flow Direction	0.42Mpa/25°C 0.20Mpa/80°C
Reverse Flow Direction	0.21Mpa/25°C

Filter Media and Micron

PP	0.10、0.20、0.45、1.00、3.00、5.00、10.00um
PES	0.10、0.20、0.45、0.65um

ORDER INFORMATION

PRODUCT	CODE	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING
LF83	PP	Polypropylene	010	0.10	10	10	6	226	S	Silicone
LF130	PES	PES	020	020			R	334	V	Viton
			045	0.45					E	EPDM
			065	0.65					N	Nitrile
			100	1.00						

STRING WOUND FILTER CARTRIDGE

SS/SC Series Economical String Wound Filter Cartridge

Product Introduction

The SS/SC filter cartridge is made of polypropylene wound/cotton wound, and is wound into a gradient according to the filtration accuracy requirements.
Good filtration efficiency, high contaminant holding capacity and large throughput.
Suitable for pre-filtration of liquids with high suspended solids and high viscosity.

Typical Applications

- Pre-filtration for seawater desalination, security filtration for ultrafiltration, RO and Particle filtration
- Clarification filtration
- Ink filtration
- Filtration of electronic chemicals and photoresists
- Colloidal filtration
- Security filtration
- Polishing filtration for wine, juice and tea beverages
- Bacterial removal filtration for production water

Feature and Benefit

- Good filtration effeciency and fast flow rate
- High dirty holding capacity and long service life
- Excellent chemical compatibility
- No adhesives

Specifications

Outer Diameter	ф60-ф63mm
Inner Diameter	ф28, ф30mm
Length	10-40in
Micron Rating	1.0-100um

Operating Conditions

Max.Operating Temperature	Polypropylene Material: 80°C Cotton Material:120°C
Max.Differential Pressure	Polypropylene: 0.42Mpa/25°C Stainless Steel Inner Core:0.20Mpa/120°C

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	CORE MATERIAL	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING/GASKET
SS	PP wound	P	Polypropylene	100	1.00	10	10	AO	220	S	Silicone
SC	Cotton wound	S	Stainless Steel	500	5.00	20	20	BN	222/FIN	V	Viton
				1000	10.0	30	30	CN	226/FIN	E	EPDM
				2000	20.0	40	40			N	Nitrile
										T	Teflon (Encaptulated)

MELT-BLOWN FILTER CARTRIDGE

CP Series Economical Melt-blown Filter Cartridge

Product Introduction

The CP filter cartridge is made of imported low melting index polypropylene as raw material, and is formed into a deep-layer filtration superfine fiber filter element through procedures such as heating and melting, spinning, traction, and winding.
It has uniform pore size and rich pores, high filtration accuracy and large contaminant holding capacity.
Suitable for pre-filtration of liquids with high suspended particles, colloids, and high viscosity.

Typical Applications

- Particle filtration
- Clarification filtration
- Ink filtration
- Filtration of electronic chemicals and photoresists
- Colloidal filtration
- Security filtration
- Polishing filtration for wine, juice and tea beverages
- Bacterial removal filtration for production water

Feature and Benefit

- Low initial pressure differential and high throughput
- High filtration accuracy
- High dirty holding capacity and long service life
- Wide chemical compatibility
- No adhesives

Specifications

Outer Diameter	ф60-ф63mm
Inner Diameter	ф28, ф30mm
Length	10-40in
Micron Rating	1.0-5.0um

Operating Conditions

Max.Operating Temperature	80°C
Max.Differential Pressure	Coreless:0.20Mpa/25°C Inner Core:0.40Mpa/25°C

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING/GASKET
CP	PP	100	1.00	10	10	AO	220	S	Silicone
		500	5.00	20	20	BN	222/FIN	V	Viton
		1000	10.0	30	30	CN	226/FIN	E	EPDM
		2000	20.0	40	40			N	Nitrile
		5000	50.0					T	Teflon (Encaptulated)

STAINLESS STEEL FILTER CARTRIDGE

STP/STS Series Stainless Steel Filter Cartridge

Product Introduction

The STP filter is made of special stainless steel fiber filter felt and mesh, folded into an M-shaped multi-pleat structure, and prepared by argon arc welding.
Resistant acid and alkali, corrosion, high temperature, high pressure. Low resistance and fast flow rate.
Suitable for the filtration of corrosive liquids or gases under high temperature and high pressure conditions.

The STS filter cartridge is made of special stainless steel nano powder by high temperature sintering.
Resistant corrosion, high temperature, and high pressure.
Suitable for the filtration of corrosive liquids or gases under high temperature and high pressure conditions.

Feature and Benefit

- High filtration accuracy
- Low resistance, high flow rate
- Full stainless steel structure
- High strength, resistant to high pressure
- Resistant to acids and alkalis, corrosion-resistant, and heat-resistant
- Easy to clean, can be rinsed and regenerated

Typical Applications

- High-temperature and high-pressure steam filtration
- Aggressive solvents filtration
- High-temperature steam filtration
- Bacterial removal from alcoholic beverages
- Decarbonization filtration of liquid materials
- Filtration of corrosive liquid materials
- Turbidity removal filtration

Operating Conditions

Max.Operating Temperature	280°C
Normal Flow Direction	0.60Mpa/25°C
Reverse Flow Direction	0.20Mpa/25°C
Cleaning Method	Backwash/Ultrasonic Cleaning

Specifications

Outer Diameter	ϕ60-ϕ69mm
Micron Rating	0.45-100um
Length	10-40in
Porosity	65%-85%

ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING / GASKET
STP	SUS Mesh Pleated	045	0.45	10	10	AO	220	S	Silicone
STS	SUS Powder Sintered	100	1.00	20	20	BN	222/FIN	V	Viton
		300	3.00	30	30	CN	226/FIN	E	EPDM
		500	5.00	40	40	M20	SCREW THREAD	N	Nitrile
		1000	10.0					T	Teflon (Encaptulated)
		2000	20.0						
		5000	50.0						
		10000	100						
		30000	300						

TI Series Titanium Powder Sintered Filter Cartridge

Product Introduction

The TI filter is made of high-purity (99.6%) titanium powder sintered under high temperature.
Resistant to alkali, corrosion resistance, high temperature and high pressure.
Resistant to oxidation, easy cleaning, and recyclable use.
Suitable for the separation and purification of various media of solid, liquid, and gas in low viscosity materials containing rigid particles.

Feature and Benefit

- Rich porosity, high filtration accuracy
- Good permeability, stable chemical properties
- No fiber releasing and extractables
- Easy to clean,renewable use

Typical Applications

- High-temperature steam filtration
- Carbon removal filtration from liquid materials
- Ozone and corrosive liquid filtration
- Chemical reagent filtration
- High-temperature steam filtration
- Bacterial removal from alcoholic beverages
- Turbidity removal filtration

Specifications

Outer Diameter	ϕ60-ϕ69mm
Micron Rating	0.45-100um
Length	10-40in
Porosity	65%-85%

Operating Conditions

Max.Operating Temperature	280°C
Normal Flow Direction	0.60Mpa/25°C
Reverse Flow Direction	0.20Mpa/25°C
Cleaning method	Backwash/Ultrasonic Cleaning

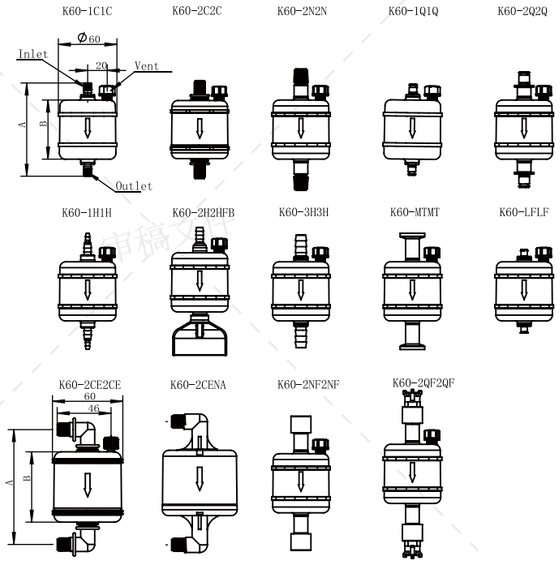
ORDER INFORMATION

PRODUCT	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	O-RING / GASKET
TI	TI Powder Sintered	045	0.45	10	10	AO	220	S	Silicone
		100	1.00	20	20	BN	222/FIN	V	Viton
		500	5.00	30	30	CN	226/FIN	E	EPDM
		1000	10.0	40	40	M20	SCREW THREAD	N	Nitrile
		2000	20.0					T	Teflon (Encaptulated)

JNM Series Capsule Filter

Product Introduction

The JNM series capsule filter is made of flexible polypropylene material. The filter cartridge adopts an M-shaped pleated filter structure, with imported guide support materials and is prepared by thermal fusion welding without any adhesives.
Different membrane materials and pore sizes can be for options. It is safe to use and easy to operate.
Suitable for the filtration of low-flow liquids or gases.



Feature and Benefit

- High filtration accuracy
- Optional filter membrane materials and connection types
- Equipped with vent to avoid internal residue
- Flexible polypropylene shell, high mechanical resistance
- Safe use, easy to operate
- Wide chemical compatibility
- Thermal bonded, no adhesives
- 100% integrity test
- Rinsed with pure water, no fiber releasing

Typical Applications

- Gas sterilization filtration
- Chemical reagent filtration
- Corrosive liquid filtration
- Culture liquid and medicine liquid filtration
- Ultra pure water terminal filtration
- Adhesive filtration
- Ink filtration
- Biological product filtration

Specifications

Cage	Polypropylene
Filter Media	Selection According to Demand
Support Layers	Polypropylene/Polyester
Outer Diameter	ϕ69mm
Length	1.5in
Filtration Area	350~450 cm²

Operating Conditions

Operating Temperature	⩽65℃
Max.Operating Temperature	65℃,△P ⩽0.1 Mpa
Max.Operating Pressure	0.55 Mpa/25℃
Normal Flow Ddirection	0.42 Mpa/25℃
Steam Sterilization	Autoclave Sterilization for 30 Min/Time

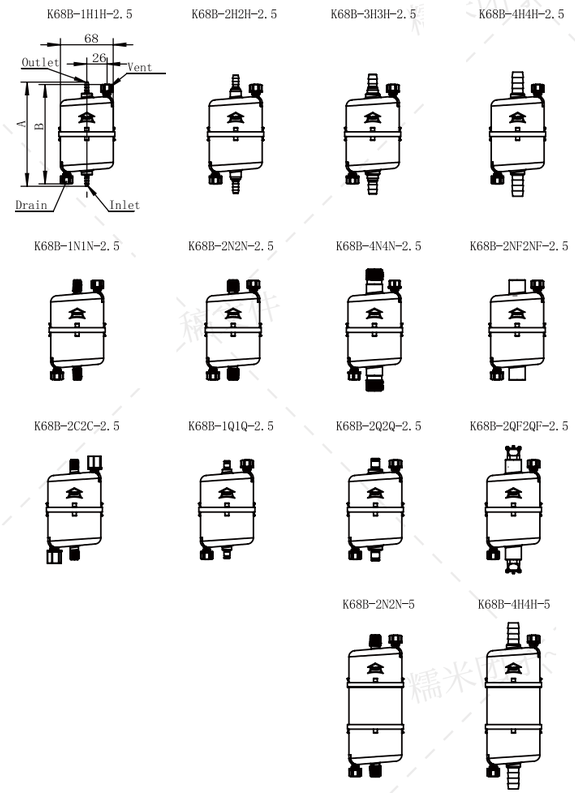
ORDER INFORMATION

PRODUCT	CODE	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	VENT/DRAIN
JNM	PP	PP	010	0.10	15	1.5	2C	1/4" Compression Joint	M10	M10
	PN	NYLON66	020	0.20			2CE	1/4" Compression Bent	LF	Luer Connection
	PS	PES	045	0.45			2N	1/4" NPT Connection	NA	No Connection
	PF	PTFE	065	0.65			1H	1/8" Hose Barb		
	PV	PVDF	100	1.00			2H	1/4" Hose Barb		
			300	3.00			3H	3/8" Hose Barb		
			500	5.00			5H	5/8" Hose Barb		
			1000	10.00			LF	Luer Female Connection		
			2000	20.00						

JNSB Series Capsule Filter

Product Introduction

The JNSB series of capsule filters cages are made of flexible polypropylene materia.
Different membrane materials and connection types can be for options.
It features minimal internal residue, safe use, and convenient operation.
Suitable for the filtration of volatile gases or low-flow liquids.



Feature and Benefit

- Optional filter membrane materials and connection types
- Equipped with vent to avoid internal residue
- High temperature resistance, excellent mechanical strength
- Thermal bonded,no adhesives
- Wide chemical compatibility
- Safe to use, easy to operate
- 100% integrity test
- Rinsed with pure water, no fiber releasing

Typical Applications

- Ink filtration
- Chemical reagent filtration
- Corrosive liquid filtration
- Culture liquid and medicine liquid filtration
- Ultra pure water terminal filtration
- Sterile gas filtration
- Biological product filtration
- Adhesive, photoresist filtration
- Small - flow terminal filtration

Specifications

Cage	Polypropylene
Filter Media	Selection According to Demand
Support Layers	Polypropylene/Polyester
Outer Diameter	ϕ68mm
Length	2.5in, 5in, 10in
Filtration Area	2.5in ⩾1200 cm²

Operating Conditions

Operating Temperature	⩽65℃
Max.Operating Temperature	65℃,△P⩽0.1Mpa
Max.Operating Pressure	0.55Mpa/25℃
Normal Flow Direction	0.42Mpa/25℃
Steam Sterilization	Autoclave Sterilization for 30 Min/Time

ORDER INFORMATION

PRODUCT	CODE	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	VENT/DRAIN
JNSB	PP	PP	010	0.10	25	2.5	2C	1/4" Compression Joint	2C	1/4'' Compression
	PN	NYLON66	020	0.20	50	5.0	2H	1/4" Hose Barb	M10	M10
	PS	PES	045	0.45	100	10.0	3H	3/8" Hose Barb		
	PF	PTFE	065	0.65			4H	1/2" Hose Barb		
	PV	PVDF	100	1.00			2N	1/4" NPT Connection		
			300	3.00			4N	1/2" NPT Connection		
			500	5.00						

JNSC Series Capsule Filter

Product Introduction

The JNSC series of capsule filters cages are made of flexible polypropylene material.
Different membrane materials and connection types can be for options.
Hot melt welding, without any adhesive, with and lower vent to avoid internal residue.
Suitable for the filtration of volatile gases or low-flow liquids.

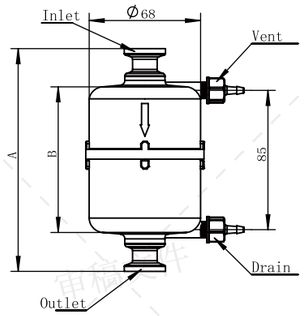
Feature and Benefit

- Optional filter membrane materials and connection types
- Optional filter membrane materials and connection types
- Both upper and lower are equipped with vent to avoid internal residue
- Thermal bonded, no adhesives
- Wide chemical compatibility
- Safe use, easy to operate
- 100% integrity test
- Rinsed with pure water, no fiber releasing

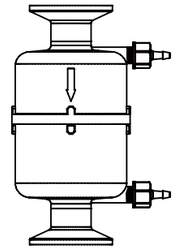
Typical Applications

- Ultra-pure gas filtration
- Ultra-pure water terminal filtration
- Chemical reagent filtration
- Adhesive, photoresist filtration
- Corrosive liquid filtration
- Ink filtration
- Culture medium and liquid medicine filtration
- Biological products filtration

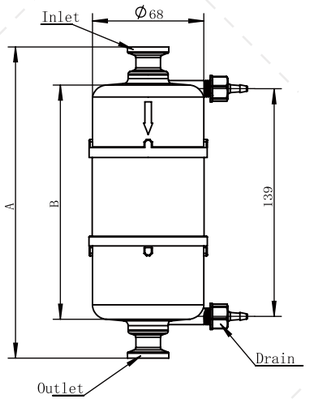
K68C-MTMT-2.5"



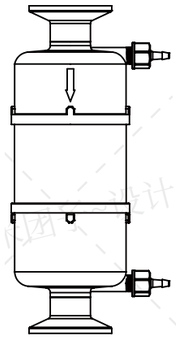
K68C-TCTC-2.5"



K68C-MTMT-5"



K68C-TCTC-5"



Specifications

Cage	Polypropylene
Filter Media	Selection According to Demand
Support Layers	Polypropylene/Polyester
Outer Diameter	ϕ68mm
Length	2.5in, 5in, 10in
Filtration Area	2.5in≥1200cm² 5.0in≥2200cm² 10.0in≥4400cm²

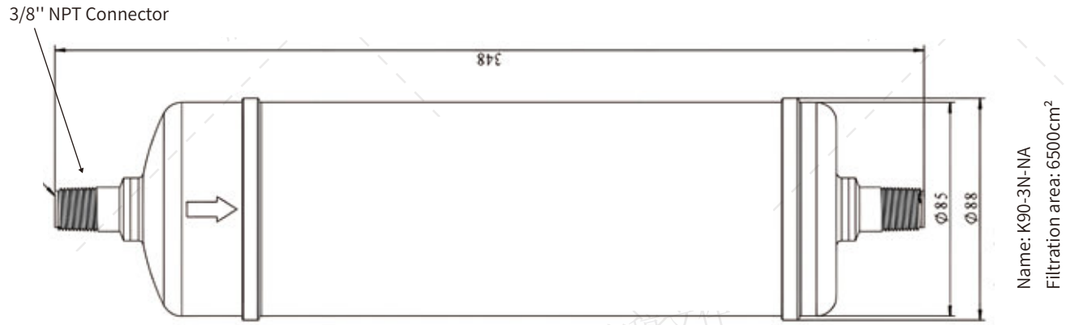
Operating Conditions

Operating Temperature	≤65°C
Max.Operating Temperature	65°C,△P≤0.1Mpa
Max.Operating Pressure	0.55Mpa/25°C
Normal Flow direction	0.42Mpa/25°C
Steam Sterilization	Autoclave Sterilization for 30 Min/Time

ORDER INFORMATION

PRODUCT	CODE	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	VENT/DRAIN
JNSC	PP	PP	010	0.10	25	2.5	MT	0.5" Tri Clamp	1H	1/8'' Hose Barb
	PN	NYLON66	020	0.20	50	5.0	TC	1.5" Tri Clamp		
	PS	PES	045	0.45	100	10.0	4H	1/2" Hose Barb		
	PF	PTFE	065	0.65						
	PV	PVDF	100	1.00						
			300	3.00						
			500	5.00						

JNF Series Capsule Filter



Product Introduction

The JNF series capsule filters are one-piece filters made of polypropylene through hot-melt welding. Different filter membranes with various materials and pore sizes can be selected according to customers' needs. They are safe to use and easy to operate, and are suitable for filtering compressed gases or corrosive liquids.

Feature and Benefit

- Quick filter replacement for convenient operation
- Compact structure with little internal residue
- Optional filter membrane materials and pore sizes
- Excellent and extensive compatibility
- High temperature resistance and great mechanical strength
- Thermal bonded, no adhesives
- Rinsed with pure water, no fiber releasing

Typical Applications

- Battery slurry filtration
- Corrosive liquid filtration
- Viscous liquid filtration
- Chemical reagent filtration
- Compressed gas filtration
- Gas sterilization filtration

Specifications

Cage	Polypropylene
Filter Media	Selection According to Demand
Support Layers	Polypropylene
Outer Diameter	ϕ85mm
Length	10in
Filtration Area	6500cm²

Operating Conditions

Operating Temperature	≤65°C
Max.Operating Temperature	65°C,△P≤0.1Mpa
Max.Operating Pressure	0.55Mpa/25°C
Normal Flow Direction	0.42Mpa/25°C
Steam Sterilization	Autoclave Sterilization for 30 Min/Time

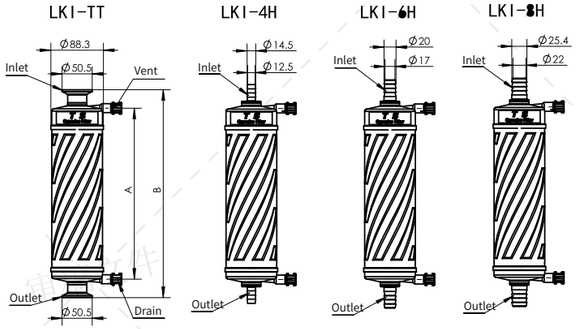
ORDER INFORMATION

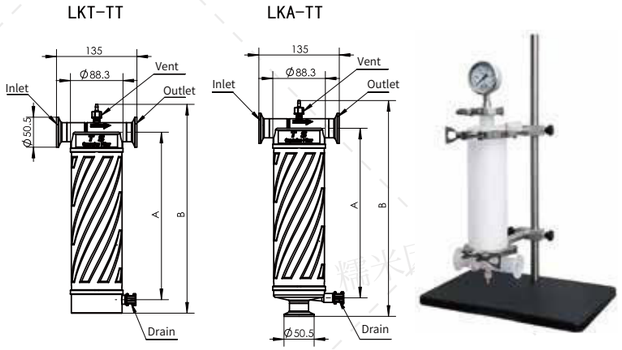
PRODUCT	CODE	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	VENT/DRAIN
JNF	PP	PP	010	0.10	100	10	3N	3/8'' NPT Connection	NA	NA
	CP	Melt Blown	020	0.20						
	PF	PTFE	045	0.45						
			065	0.65						
			100	1.00						
			300	3.00						
			500	5.00						

JNL Series Capsule Filter

Product Introduction

The JNL series capsule filters are designed for pre-filtration, clarification, and final filtration of large volume materials in biotechnology, food and beverage, pharmaceuticals, and chemicals industries .
The outer shell has an all-polypropylene structure, featuring excellent chemical compatibility and low extractables. Thermal fusion welding without any adhesives.
Filter membrane type and interface form can be selected according to customer needs.





Feature and Benefit

- 3 main styles, with 5 types of interfaces for optional combinations.
- Full-size filters available in dimensions from 10 inches to 40 inches
- Exhaust/liquid valve design hose barb connector, easy to connect the pipeline
- Safe to use and easy to operate
- Wide chemical compatibility
- Safe use, easy to operate
- 100% integrity test
- Rinsed with pure water, no fiber releasing

Typical Applications

- Ultra-pure gas filtration
- Ultra pure water terminal filtration
- Chemical reagent filtration
- Adhesive and photoresist filtration
- Corrosive liquid filtration
- Ink filtration
- Culture medium and liquid medicine filtration
- Biological product filtration

Specifications

Cage	Polypropylene
Filter Media	Selection According to Demand
Support Layers	Polypropylene/Polyester
Outer Diameter	ϕ90mm
Length	10~40 inch
Filtration Area	0.55~2.6m²

Operating Conditions

Operating Temperature	⩽80°C
Max.Operating Temperature	80°C,△P⩽0.1Mpa
Max.Operating Pressure	0.55Mpa/25°C
Normal Flow Direction	0.42Mpa/25°C
Steam Sterilization	Autoclave Sterilization for 30 Min/Time

ORDER INFORMATION

PRODUCT	CODE	FILTER MEDIA	CODE	MICRON(um)	CODE	LENGTH(in)	CODE	END CAP	CODE	VENT/DRAIN
JNLT	PP	PP	010	0.10	10	10	T	1.5" Tri Clamp	S	Silicone
JNLI	PN	NYLON66	020	0.20	20	20	4H	1/2" Hose Barb	E	Viton
	PS	PES	045	0.45	30	30	6H	3/4" Hose Barb	V	Epdm
	PF	PTFE	065	0.65	40	40	8H	1" Hose Barb	N	Nitrile
	PV	PVDF	100	1.00						

OMELA INDUSTRIAL FILTERS

SYRINGE FILTER

Disposable Syringe Filter Series

Product Introduction

Disposable syringe filters are designed for simple, fast, and efficient filtration of fluids and gases used in laboratory, pilot and small-scale applications. Mainly used for the clarification and filtration of solutions, the small design of the filter capsule reduces the hold-up volume and contact with harmful chemicals.
No binders, binders or surfactants are used in the manufacturing process.

The product is equipped with high-quality microporous filter membranes to make your experimental results more effective.The most commonly used materials are PES, Nylon, PTFE, Cellulose Acetate, etc., and the common specifications are 13mm, 25mm, 30mm. The cages are made of polypropylene

Feature and Benefit

- Rich porosity, high filtration accuracy
- High-performance membrane filter media
- No adhesive
- Thermal bonded, no adhesives
- Wide chemical compatibility
- Safe use, easy to operate
- 100% integrity test
- Rinsed with pure water, no fiber releasing
- Sterilizable

Typical Applications

- Ultra-pure gas filtration
- Ultra-pure water terminal filtration
- Chemical reagent filtration
- Corrosive liquid filtration
- Ink filtration
- Culture medium and liquid medicine filtration
- Biological product filtration

Specifications

Cage	Polypropylene
Filter Media	Selection According to Demand
Support Layers	Polypropylene
Outer Diameter	ϕ13mm, ϕ25mm ϕ30mm, ϕ50mm
Length	2.5in, 5in, 10in
Filtration Area	1,3,4,6,15.9

Operating Conditions

Operating Temperature	⩽65°C
Max.Operating Temperature	65°C,△P⩽0.1Mpa
Max.Operating Pressure	0.25Mpa/25°C
Normal Flow Direction	0.20Mpa/25°C
Steam Sterilization	Autoclave Sterilization for 30 Min/Time

ORDER INFORMATION

PRODUCT	CODE	FILTER MEDIA	CODE	MICRON(um)	CODE	INLET/OUTLET CONNECTORS
D13	PP	PP	010	0.10	LF	Female Luer Lock
D25	PN	NYLON66	020	0.20	LS	Male Slip Luer
D30	PS	PES	045	0.45		
D50	PF	PTFE	065	0.65		
	PV	PVDF	100	1.00		
			300	3.00		
			500	5.00		

MICROPOROUS FILTER MEMBRANE

Disposable Disc Filter Series

Polyethersulfone (PES) Membrane

Feature and Benefit

- Uniform pore size and high filtration accuracy
- High porosity and large dirt-holding capacity
- Excellent hydrophilicity
- High flow rate and low extractables
- Low protein binding
- Outstanding biocompatibility

Typical Applications

- Drug solutions sterilizing filtration
- Pharmaceutical intermediate filtration
- Scientific research and analysis filtration
- Corrosive material liquid filtration
- Chemical solution filtration
- Ultra-pure water terminal filtration

ORDER INFORMATION

DIAMETER(mm)	MATERIAL	MICRON(μm)	SPECIFICATION(TABLET/BOX)
25	PES	0.04	25
37		0.10	50
47		0.20	
50		0.45	
90		0.65	
142		1.20	
150			
200			
300			

Nylon Memebrane

Feature and Benefit

- Natural hydrophilicity
- Uniform pore size and high filtration accuracy
- High porosity and large dirt-holding capacity
- Composite support and high strength
- High flow rate and low extractables
- Strong adsorption performance

Typical Applications

- Drug solutions sterilizing filtration
- Organic solvent filtration
- Scientific research and analysis filtration
- alkaline solutions filtration
- Pharmaceutical intermediate filtration
- Ultra-pure water terminal filtration

ORDER INFORMATION

DIAMETER(mm)	MATERIAL	MICRON(μm)	SPECIFICATION(TABLET/BOX)
25	PN	0.1	25
37	PNN	0.2	50
47		0.45	
50		0.65	
90		1.00	
142		3.00	
150		5.00	
200			

Polytetrafluoroethylene (PTFE) Membrane

Feature and Benefit

- Uniform pore size and high filtration accuracy
- High porosity and large dirt-holding capacity
- High mechanical strength
- High-temperature, solvent,and chemical corrosion resistant

Typical Applications

- Gas sterilizing filtration
- Organic solvent filtration
- Chemical reagent filtration
- Corrosive material filtration

ORDER INFORMATION

DIAMETER(mm)	MATERIAL	MICRON(μm)	SPECIFICATION (TABLET/BOX)
25	Hydrophobic PTFE	0.10	25
37	Hydrophilic PTFE	0.20	50
47		0.45	
50		0.65	
90		1.00	
142		3.00	
150		5.00	
200			
300			

Polyvinylidenefluoride (PVDF) Membrane

Feature and Benefit

- Uniform pore size and high filtration accuracy
- High porosity and large dirt-holding capacity
- High mechanical strength
- High-temperature resistance and
- good chemical stability
- Low protein binding

Typical Applications

- Biological product filtration
- Organic solvent filtration
- Viscous liquid filtration
- Chemical reagent filtration

ORDER INFORMATION

DIAMETER(mm)	MATERIAL	MICRON(μm)	SPECIFICATION (TABLET/BOX)
25	Hydrophobic PVDF	0.10	25
37	Hydrophilic PVDF	0.20	50
47		0.45	
50		0.65	
90		1.00	
142		3.00	
150		5.00	
300			

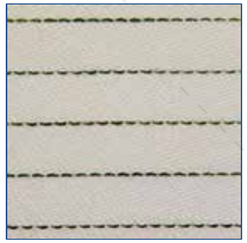
FILTER CLOTH

Polyester Fiber Series Filter Cloth

Polyester multifilament 621

Polyester multifilament 3927

Polyester multifilament 747



Anti-static filtration fabric

ORDER INFORMATION

SERIES	SPECIFICATION	WEIGHT(g/m²)	AIR PERMEABILITY(L/m² .s)	WEAVE TYPE	APPLICABLE INDUSTRIES
PET Staple and Filament Fiber Series	120-7	600-610	90-140	T	Pigments, Chemicals, Castor Oil
	120-12(Thickened)	360-370	100-150	T	Chemical and Pharmaceutical
	903	370-380	100-130	T	Chemical and Pharmaceutical
	120-17	360-370	150-200	T	Chemical and Pharmaceutical
	208	400-410	300-400	T	Smelting and Edible Oil
	740(729)	330-340	150-200	S	Smelting and Electronics
	747	250-260	100-150	P	Chemical and Pharmaceutical
	3927	500-510	25-35	P	Activated Carbon, Pharmaceutical
	4030	530-540	15-25	P	Activated Carbon
	822	940-960	20-30	T	Pharmaceutical
	PEF6832	510-520	100-130	T	Chemical
	PES220MN	830-850	50-70	T	Chemical and Pharmaceutical
	PET3056	550-570	15±5	P	Chemical and Pharmaceutical
	758	330-340	40-60	P	Pharmaceutical

Note: Plain weave: Plain (P), Twill weave: Twill (T), Satin weave: Satin (S) .

Polyester Fiber Series Filter Cloth

Product Introduction

Made of polyester fiber (PET)
can be divided into three categories: PET staple fabrics, PET mutifilament fabrics, and PET monofilament fabrics.
These products possess the properties of strong acid-resistance, fair Alkali -resistance, and operating temperature 130 °C.
Widely used in pharmaceutical, non-ferry Melting, chemical industrial for the equipments of frame filter presses, centrifuge filters, Vacuum filters, etc
The filter precision can reach less than 5 micron.

ORDER INFORMATION

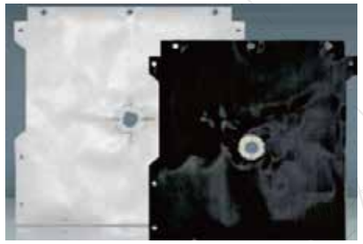
SERIES	SPECIFICATION	WEIGHT(g/m²)	AIR PERMEABILITY(L/m² .s)	WEAVE TYPE	APPLICABLE INDUSTRIES
Polyester Long Thread/ Monofilament Series	240	240-250	15-25	P	Electrolytic Manganese
	621	370-380	20-30	P	Chemical and Refinery
	PET5739	360-400	<8	P	Chemical
	PET300	590-610	40-50	O	Chemical and Refinery
	PET7430	520-540	12±3	P	Chemical and Refinery
	PER5836	440-450	35-50	O	Chemical
	PET4830	580-590	10±4	P	Water Treatment
	PEF1039	950-980	80-100	O	Chemical
	PEF6178	430-450	30-50	T	Chemical and Refinery
	PE8850	390-400	150-200	T	Chemical
	PET3231	840-850	180-220	T	Chemical
	PET2204	1050-1100	60-120	T	Chemical
	PE3933	550-570	6000±500	T	Water Treatment
	PET4625	720-740	<5	P	Fine Chemical
	260	270-280	40-50	P	Electrolytic Manganese
	PE3010	610-620	30-40	P	Chemical
	PEF7048	350-360	110-140	S	Chemical and Pharmaceutical
	PET7322-1	390-400	300-800	S	Sewage Treatment and Chemical

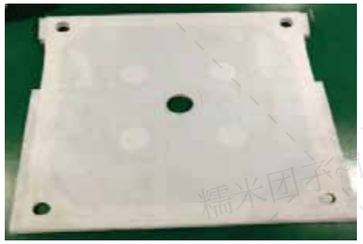
Note: Plain weave: Plain (P), Twill weave: Twill (T), Satin weave: Satin (S), Other: Other(O)

Polypropylene Fiber Series Filter Cloth

Product Introduction

Made of polypropylene fiber(PP)
can be divided into three categories: PP staple fabrics, PP mutifilament fabrics, and PP monofilament fabrics.
The products possess the characteristics of polypropylene fibers, such as acid resistance, alkali resistance, light specific gravity, a melting point of 142-146°C, and a normal usage temperature of less than 90°C.
They can be widely used in alkaline industries like fine chemicals, dyestuffs, sugar, pharmaceuticals, alumina for solid-liquid separation in various filter presses.
The filter precision can reach less than 1 micron.





ORDER INFORMATION

SERIES	SPECIFICATION	WEIGHT(g/m²)	AIR PERMEABILITY(L/m² .s)	WEAVE TYPE	APPLICABLE INDUSTRIES
Polypropylene Interlining Series	A782	600-610	90-140	T	Pigments, Chemicals, Castor Oil
	PP2416	360-370	100-150	T	Chemical and Pharmaceutical
	PPW3936	370-380	100-130	T	Chemical and Pharmaceutical
	PPW4539	360-370	150-200	T	Chemical and Pharmaceutical
Polypropylene Belt Filtration Series	PPC12870 -Single or Multifilament	400-410	300-400	T	Refinery and Edible Oil
	PP12870(2038)	330-340	150-200	S	Refinery and Electronics
	PP1334	250-260	100-150	P	Chemical and Pharmaceutical
	PP1350	500-510	25-35	P	Activated Carbon, Pharmaceutical

Note: Plain weave: Plain (P), Twill weave: Twill (T), Satin weave: Satin (S).

ORDER INFORMATION

SERIES	SPECIFICATION	WEIGHT(g/m²)	AIR PERMEABILITY(L/m² .s)	WEAVE TYPE	APPLICABLE INDUSTRIES
Polypropylene 750 Series	750A5228	330-340	15-30	P	Pigments, Chemicals, Castor Oil
	750A3622	400-410	30-40	P	Sewage Treatment, Chemical and Pharmaceutical etc.
	750A420	420-430	25-35	P	Sewage Treatment, Chemical and Pharmaceutical etc.
	PP4922	450-460	20-30	P	Sewage Treatment, Chemical and Pharmaceutical etc.
	PP3010L	530-540	15±5	P	Chemical
	750BF5835	390-400	90-130	T	Pharmaceutical
	750B6232	390-400	100-130	T	Chemical and Sewage Treatment
	750B6433	400-410	80-100	T	Chemical and Sewage Treatment
	750B7433	450-460	80-100	T	Chemical and Sewage Treatment
	Feb-08	460-470	60-80	T	Sugar, sewage treatment, etc.
	PP220	510-530	40-60	T	Chemical and Sewage Treatment
	10087833	540-550	30-50	T	Chemical and Sewage Treatment
	750AB7841	490-500	60-80	O	Chemical and Sewage Treatment
	750AB8453	570-580	30-40	O	Chemical and Sewage Treatment
	750AB9963	620-630	15-25	O	Ceramic, Chemical and Sewage Treatment, etc.
Polypropylene Filament Series	PP5650	450-460	15±5	T	Chemical Metallurgy and Pharmaceutical
	PP5612	520-530	10±5	T	Chemical
	PP5448	600-620	5-40	T	Chemical, Pigment
	PP5422	540-550	10±5	T	Chemical, Pigment and Graphite
	PP6354	610-630	⩽4	T	Chemical, Pigment and Lithium Battery
	PP12028	710-730	10-30	T	Beneficiation
	PP8628	490-510	20-80	T	Beneficiation
	PP8028	550-570	20-80	T	Beneficiation
	PP2483	560-580	20-30	T	Beneficiation
	PP8283	600-620	15±5	T	Titanium Dioxide
	PP7216	870-890	30-50	T	Concentrate Mine and Tailings
	PP9035	620-640	6-30	T	Titanium Dioxide
	PP8631	600-620	2-20	T	Titanium Dioxide
	PP3026	810-830	40-60	T	Concentrate Mine and Tailings

Note: Plain weave: Plain (P), Twill weave: Twill (T), Satin weave: Satin (S), Other: Other(O)


PP Mutifilament 750A


PP Mutifilament 750B


PP Mutifilament 750AB


PP Monofilament 2025


PP Mono-Mutifilament 4518


PP Mutifilament 108B

ORDER INFORMATION

SERIES	SPECIFICATION	WEIGHT(g/m²)	AIR PERMEABILITY(L/m² .s)	WEAVE TYPE	APPLICABLE INDUSTRIES
PP Mono-Mutifilament Series	PP1584	280-300	20-200	T	Chemical and Refinery
	PP6022	320-330	60-200	S	Chemical and Rare Earth
	PP4518M	350-360	60-200	S	Chemical, Sewage Treatment and Palm Oil
	PP5514	390-400	200-500	T	Chemical, Sewage Treatment and Palm Oil
	PP6338	400-410	30-200	S	Food, Chemical and Sewage treatment
	PP5020	470-490	60-350	S	Chemical and Sewage Treatment
	PP5140	460-480	20-150	T	Chemical and Sewage Treatment
	PP6213	510-520	40-200	S	Mineral Processing, Chemical and Sewage Treatment
	PP5833	550-570	20-150	S	Chemical, Battery Industry and Sewage Treatment
PP Monofilament Series	PP3838	220-230	4500-5500	T	Water Treatment
	PP3127	250-260	400-1500	T	Sewage Treatment
	PP2711	310-320	400-2000	T	Aluminium Oxide-Horizontal Pan Filter
	PP6336	290-300	500-2500	T	Aluminium Oxide-Horizontal Pan Filter
	PP610	270-280	1500-3500	T	Aluminium Oxide-Horizontal Pan Filter
	PP6233	310-320	1500-3500	T	Aluminium Oxide-Horizontal Pan Filter
	PP176	400-420	30-300	T	Battery Industry
	PP2025	280-290	200-1000	S	Chemical and Sewage Treatment
	PP1930	360-380	40-300	S	Chemical and Sewage Treatment
	PP5722	285-295	60-250	T	Sugar and White Carbon Black
	PP5748	300-310	20-200	T	Aluminium Oxide and Battery Industry
	PP5724	360-370	150-700	T	Aluminium Oxide
	PP5744	370-380	60-250	T	Aluminium Oxide and Kieselguhr
	PP5788	470-490	80-300	T	Aluminium Oxide

Note: Plain weave: Plain (P), Twill weave: Twill (T), Satin weave: Satin (S), Other: Other(O)

Polyamide Fiber Series Filter Cloth

Product Introduction

Polyamide Fabrics Series, which made of polyamide fiber(PA)can be divided into PA mutifilament fabrics and monofilament fabrics.
These products possess the properties of weak acid-resistance, alkali-resistance, high mightiness,melting point of 215-250°C, and operating temperature maximum 130°C.
They can also be divided into PA6 series and PA66 serie and the later Performance is better.
They are mainly used in the industries of chemical,coal mining, building Materials, melting, for equipments in the strong alkali operating Conditions, such as frame filter Presses, disc filters, and centrifuge filters.The filtering precision can reach less than 5 microns.

Polyamide monofilament fabrics

ORDER INFORMATION

SERIES	MODEL NO.	WEIGHT(g/m²)	AIR PERMEABILITY(L/m².s)	CONSTRUCTION	APPLICABLE INDUSTRIES
PA Mutifilament Series	PA636	390-400	60-100	P	Calcium Carbide Industry
	N856	430-440	200-300	T	Calcium Carbide Industry
	PA9447	410-430	110-140	T	Sewage Treatment
PA Monofilament Series	PA5712	380-390	700-1600	T	Sewage Treatment
	PA5728	275-285	1000-2000	S	Aluminium Oxide
	PA2322	350-360	700-1200	S	Chemical and Sewage Treatment
	PA2325	410-420	600-1200	S	Coal Washing Municipal Sewage
	PA2326	420-430	700-1200	S	Coal Washing and Beneficiation
	PA2525	430-440	500-1000	S	Municipal Sewage
	PA4419	390-410	1200-2200	T	White Carbon Black-Horizontal Pan Filter
	PA2351	410-430	500-1000	T	Chemical and Sewage Treatment
	PA2528	420-430	500-1000	O	Sewage Treatment
	PA2230	470-480	700-1200	S	Chemical and Sewage Treatment
	PA2337	520-530	700-1200	T	Sewage Treatment
	PA2475M	680-700	200-500	O	Beneficiation and Lithium Battery

Note: P - Plain, T - Twill,S-Satin,O-Other.

Poly-Vinyalchol Filter Cloth

Product Introduction

Poly-Vinyalchol Filter Cloth is made of vinylon fiber(PVA).At present, we can produce vinylon staple fabrics only.
The products possess the proporties of alkail-resistance,high soften point of 220-230, small olongation, and good moisture absorption.
They are mainly used for frame Filter presses.

ORDER INFORMATION

SERIES	MODEL NO.	DENSITY (warp/ weft) (counts/10cm)	WEIGHT(g/m²)	BURSTING STRENGTH (Warp/Weft) (N/5 x 20cm)	AIR PERMEABILITY (L/m2.s)	CONSTRUCTION
Vinylon Fabric Series Filter Cloth	295-1	160/108	500	2450/2100	20	P
	295-102	196/36	330	1900/1600	25	P
	295-104	226/164	247	1500/1100	40	P
	295A-1	100/65	555	4200/2000	75	P

Note: P - Plain, T - Twill,S-Satin,O-Other.

SPECIAL FILTER MATERIAL

Product Introduction

These series are widely used for dust collection, gas control industries, etc.Its air permeability and dedusting efficiency is good after the heat process, and it become more smooth and durable, easy-deashing.This series include many types, the one used in normal temperature, the onehas strong heat-resisting ability and the one has compound ability, etc.

ORDER INFORMATION

SERIES	MODEL NO.	DENSITY (warp/ weft) (counts/10cm)	WEIGHT(g/m²)	BURSTING STRENGTH (Warp/Weft) (N/5 x 20cm)	AIR PERMEABILITY (L/m².s)	WEAVE TYPE
Special Filter Material	FI928	290/250	326	1300/900	130	High Temperature Resistance
	9898	228/149	1080	5000/3000	<10	High Temperature Low Infiltration
	3950	152/98	780	4500/2800	<10	High Temperature Low Infiltration
	3751	145/100	760	4500/2800	<10	High Temperature Low Infiltration
	5831	228/122	580	2500/280	68	100% Cotton Canvas

NEEDLE PUNCHED FILTER MATERIAL

Product Introduction

The filter material is made of synthetic or special fibers.
After opening,mixing, carding, forming a network and overlapping paving network.
The mesh layer was subjected to high frequency repeated needling and specific surface treatment.
A filter material with a three-dimensional structure with a certain density is formed.
Different materials have corresponding physical and chemical characteristics.
The main products should be in all kinds of dust removal equipment supporting the solid vapor separation.
It can also be used in plate and frame pressure filtration and belt filtration of solid-liquid separation.

ORDER INFORMATION

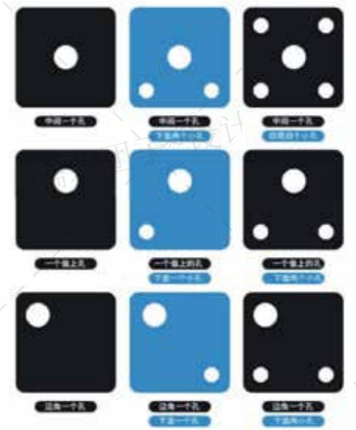
PRODUCT NAME	MATERIAL	WEIGHT(g/m²)	BURSTING STRENGTH (Warp/Weft) (N/5 x 20cm)	THICKNESS(mm)
Polyester Needle Felt	Polyester Fibre	400-650	900-1500/1900-1800	1.7-2.1
Polypropylene Needle Felt	Polypropylene Fibre	400-700	1500-1005/1000-1500	1.8-2.6
Anti-static Needle Felt	Polyester Fiber, Conductive Fiber	400-600	900-1500/1100-1800	1.7-2.1
Metamax Needle Felt	Aramid Fiber	450-600	900-1500/1100-1500	1.7-2.1
FMS Needle Felt	Filberglass	>780	>2000/>2000	2.2-3.5
Acrylic Needle Felt	Acrylic Fiber	400-600	900-1200/1000-1300	1.6-2.0
PPS Needle Felt	PPS/Ryton Fiber	400-600	900-1200/1000-1300	1.6-2.0
Liquid Bags	Polyester Fibre Polypropylene	320-550	/	2.1-2.6
PTFE Needle Felt	PTFE	700-750	900-1200/1000-1300	1.1-1.2

PLATE-FRAME FILTER CLOTH

Product Introduction

A whole filter cloth is ironed according to the orientation of the inlet designed by the machine.
Is a large piece of filter cloth, without cutting.

Main types of filter cloth:430*910, 550*1150, 750*1550, 900*1850,
1018*2060,1350*2750.1600*3250,1700*3450"
Main materials of filter cloth:621, 3927, 750A, 750B, 750AB, 747, 758, 108C, monofilament filter cloth and non-woven fabrics with different gram weights, etc

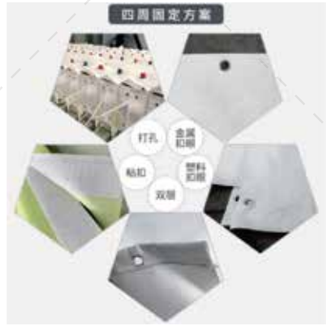


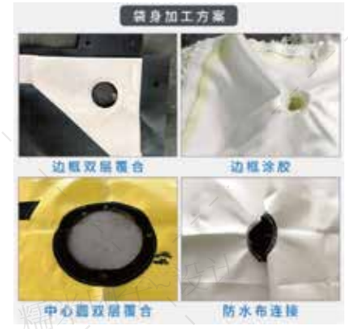
CHAMBER FILTER CLOTH

Product Introduction

The whole filter cloth is cut and weighed into two pieces, which are processed into one set, that is, two pieces are one set. There are middle feeding and upper feeding at the feeding port.

Main types of filter cloth:550*550, 750*750, 900*900, 1100*1100, 1350*1350, 1700*1700
Main materials of filter cloth:621, 3927, 750A, 750B, 750AB, 747, 758, 108C, monofilament filter cloth and non-woven fabrics with different gram weights.

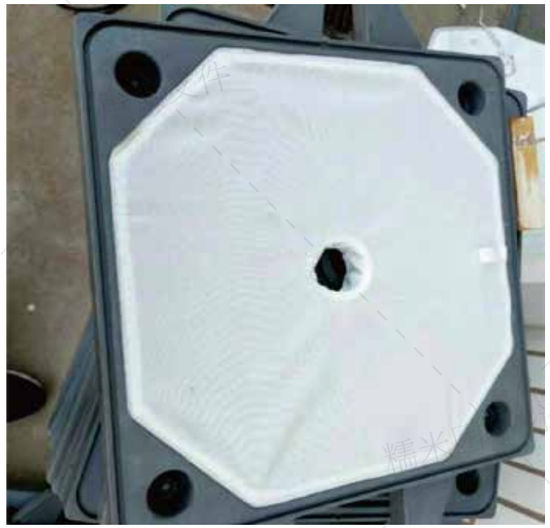




INSERTED FILTER CLOTH

Product Introduction

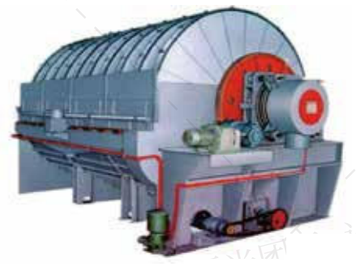
Made of polyester fiber (PET)
Is formed by sewing two filter cloth pieces and a feeding hole connecting sleeve.
Sealing ring is sewn into the edge of filter cloth, and it is embedded in filter plate during installation,which can effectively prevent capillary leakage.
Main models: 640*640, 750*750, 840*840, 940*940, 1180*1180, 1250*1250.
Main materials of filter cloth:621, 3927, 750A, 750B, 750AB, 747, 758, 108C. monofilament filter cloth and non-woven fabrics with different gram weights.
Sealing strip material: Rubber, silica gel, ethylene propylene diene monomer, etc.



FILTER CLOTH OF BELT FILTER PRESS

Product Introduction

It is widely used for sludge dewatering in urban sewage treatment, chemical industry, oil refining, metallurgy, paper making, leather making, food, coal washing, printing and dyeing industries, etc.
The machine operates continuously, with high automation, energy saving, high efficiency and convenient use and maintenance.
Main materials of filter cloth: polyester spiral dry net, 3927,750A,750B,750AB,108C, monofilament filter cloth and non-woven fabric, etc.

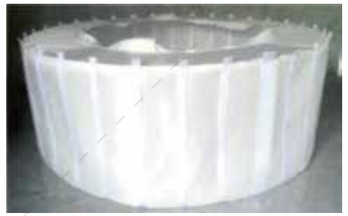


FILTER BAG

Centrifuge Filter Bag

Product Introduction

Centrifuge filter bags are widely used in petrochemical industry, natural gas, paint, varnish, ink, medicine, bioengineering, automobile manufacturing, electronics, electroplating, food, beverage and other fields.



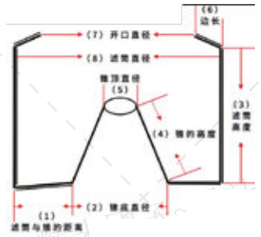
ORDER INFORMATION

CODE	PROJECT	DIAMETER (mm)	HEIGHT(mm)	VOLUME(L)	LOADING RESTRICTION(Kg)	MATERIAL	DENSITY(MESH)
L(P)LGZ Series Unloading Centrifuge Bags	L(P)LGZ800	800	400	80	100	Polyester Polypropylene Monofilament	20-2000
	L(P)LGZ1000	1000	500	165	210		
	L(P)LGZ1250	1250	500/630	310/400	400/520		
	L(P)LGZ1350	1350	630	445	534		
	L(P)LGZ1400	1400	700	560	672		
	L(P)LGZ1600	1600	800/720	800/720	1000/870		
	L(P)LGZ1680	1680	740	900	1125		
	L(P)LGZ1800	1800	800	1000	1200		
PLD Series Centrifuge Bags	PLD1000	1000	500	180	230	Polyester Polypropylene Monofilament	20-2000
	PLD1250	1250	630	400	500		
	PLD1400	1400	700	600	700		
	PLD1600	1600	740	800	1000		
	PLD1800	1800	800	1250	1500		
L(P)D Series Centrifuge Bags	L(P)D600	600	350	45	68	Polyester Polypropylene Monofilament	20-2000
	L(P)D800	800	400	90	135		
	L(P)D1000	1000	400	140	200		
	L(P)D1200	1200	480	250	300		
	L(P)D1250	1250	500	300	400		
	L(P)D1250A	1250A	600	400	520		
	L(P)D1500	1500	720	700	800		
	L(P)D1600	1600	800	840	800		
	L(P)D1800	1800	750	910	1180		


ORDER INFORMATION

CODE	PROJECT	DIAMETER (mm)	HEIGHT(mm)	VOLUME(L)	LOADING RESTRICTION(Kg)	MATERIAL	DENSITY(MESH)
PSD Series Centrifuge Bags	PSD800	800	400	120	150	Polyester Polypropylene Monofilament	20-2000
	PSD1000	1000	400	200	250		
	PSD1200	1200	480	330	410		
	PSD1250	1250	500	400	500		
	PSD1500	1500	600	600	800		
	PSD1600	1600	720	800	1000		
	PSD1800	1680	740	900	1125		
L(P)B Series Centrifuge Bags	L(P)B200	200	140	3	3.5	Polyester Polypropylene Monofilament	20-2000
	L(P)B300	300	210	10	12		
	L(P)B450	450	300	20	30		
	L(P)B600	600	350	45	68		
	L(P)B800	800	400	90	135		
	L(P)B1000	1000	420	140	200		
	L(P)B1200	1200	450	250	300		
	L(P)B1250	1250	500/600	320/400	400/520		
	L(P)B1500	1500	700	700	800		
L(P)BF Series Centrifuge Bags	L(P)BF450	450	300	20	30	Polyester Polypropylene Monofilament	20-2000
	L(P)BF600	600	350	45	68		
	L(P)BF800	800	400	90	135		
	L(P)BF1000	1000	420	140	200		
	L(P)BF1200	1200	450	250	300		
	L(P)BF1250	1250	500	320	400		



ORDER INFORMATION

CODE	PROJECT	DIAMETER (mm)	HEIGHT(mm)	VOLUME(L)	LOADING RESTRICTION(Kg)	MATERIAL	DENSITY(MESH)
PQSB/PQFB Series Centrifuge Bags	PQSB/PQFB600	600	270	910	60	Polyester Polypropylene Monofilament	20-2000
	PQSB/PQFB800	800	370	3	125		
	PQSB/PQFB1000	1000	400	10	200		
	PQSB/PQFB1250	1250	540	20	380		
PSB Series Centrifuge Bags	SBP600	600		45	60	Polyester Polypropylene Monofilament	20-2000
	PSB800	800		120	150		
	PSB1000	1000		200	250		
	PSB1200	1200		330	410		
	PSB1250	1250		400	500		
	PSB1500	1500		600	800		

Telescopic Bag

Product Introduction

Telescopic cloth bags for bulk loader have the advantages of uniform air permeability, stable size, wear resistance, high temperature resistance, corrosion resistance, long service life and energy saving, and are widely used in cement, metallurgy, building materials, electromechanical, chemical and other industries.It is mainly used for packing and recycling solid powder, such as cement bulk, dust, unload, etc. It usually consists of an inner cylinder and an outer cylinder. The inner cylinder is used for packing and the outer cylinder is used for dust prevention. Usually, the inner cylinder has a diameter of about 300 and the outer cylinder has a diameter of about 700. The length varies according to the requirements of various manufacturers, generally 2000,2500,3000,3500,4000 and 4500.


Trap Bag For Fluidized Bed Dryer

Product Introduction

The designed filtration accuracy is 1-30 microns-average value.The collection is more thorough. The filter surface adopts wireless sewing technology, which will prevent material leakage during the filtration process.
The filtering speed is faster, and the pressure on the machine caused by blockage of material particles is reduced.Without losing fiber, the surface of filter material is treated by optical hot pressing technology to make it smooth and flat.The highest international anti-static technical standard.combined with three-dimensional integrated filtration technology.
With high wear resistance, the trapping bag is durable by adopting reinforcement and wear resistance.After use, there is no need to clean, because the filter material surface is treated by anti-cleaning technology, the material and filter material surface can be automatically separated.
High temperature resistance, suitable for normal use at -20°C--130°C.Good PH resistance, suitable for filtering acidic and alkaline materials.

material:621、120-7、903
specification:4 sleeves, 7 sleeves, 12 sleeves, 18 sleeves, 30 sleeves, 50 sleeves

Liquid Filter Bag

Product Introduction

The filter material is made of polyester and polypropylene.
The needle-punched filter material produced according to a unique fiber ratio ensures balanced filtration accuracy, stable porosity and sufficient strength of the needle-punched felt, making the filter bag more efficient and longer-lasting.
The filter bag is specially singed to effectively prevent fiber shedding and contamination of the filtrate, while avoiding excessive clogging of the filter holes caused by traditional roller pressing treatment, which shortens the service life of the filter bag.
All raw materials are in their natural color and have not undergone any special bleaching or dyeing treatment, fully meeting national environmental protection requirements.
Due to the three-dimensional filtration layer of the needle-punched felt, when the liquid flows through the filter bag, the particles will be retained on the inner surface and deep layer of the liquid filter bag due to the deep filtration mechanism.
Its special structure enables the deep layer of the medium to achieve a particle retention rate of up to 99%.

Specifications

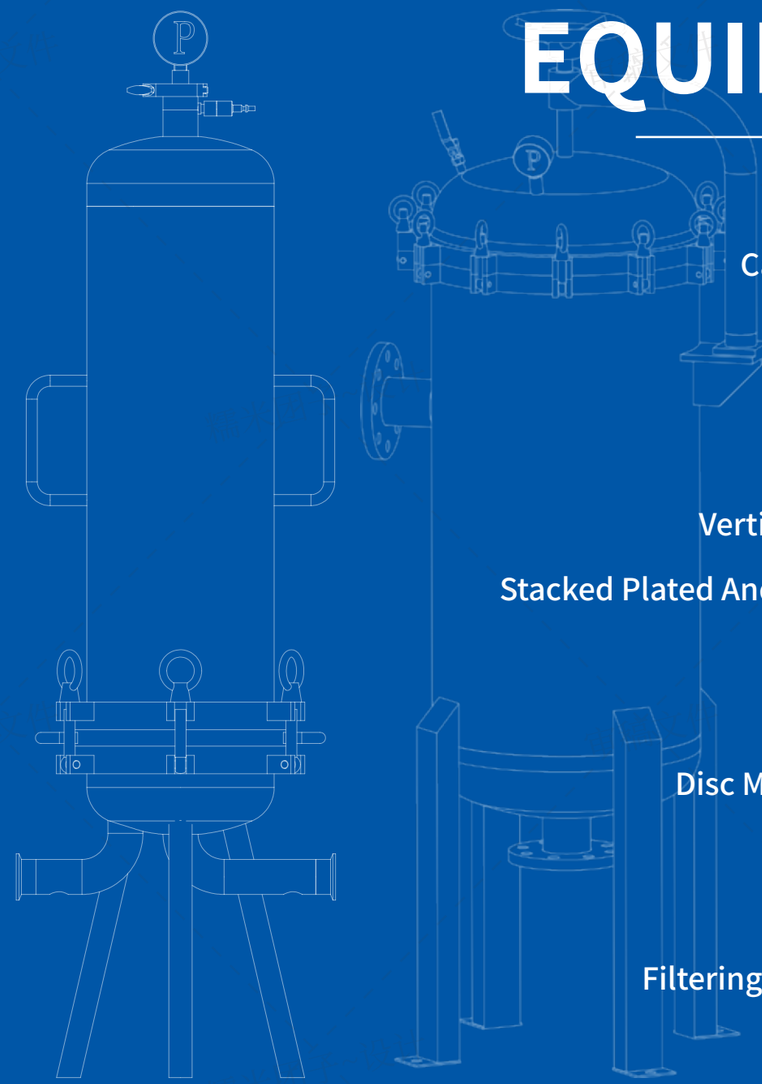
Micron(um)	0.5、1、3、5、10、15、25、50、75、100、150、200
Material	PET PP NL
Pressure Differential kg/cm²	PET/PP:1.03-1.72、NL：1.03-2.41
Operating Temperature°C	PET：130、PP：90、NL：135
Ring Material	Galvanized Steel Steel Ring PET/PP 

ORDER INFORMATION

TYPE	SIZE (DIAMETER X LENGTH)	TOLERANCE(mm)	FILTRATION AREA(m^2)
#1	ϕ180*ϕ430	0.3~0.8	0.25
#2	ϕ180*ϕ810	0.3~0.8	0.5
#3	ϕ106*ϕ230	0.3~0.8	0.056
#4	ϕ106*ϕ380	0.3~0.8	0.115
#5	ϕ152*ϕ510	0.3~0.8	0.3

02

FILTER EQUIPMENT



Cartridge Filter Housing

Rotary Filter Housing

Bag Filter Housing

Basket Filter Housing

Vertical Leaf Filter Housing

Stacked Plated And Frame Filter Housing

Tank

Trolley Filter System

Disc Membrane Filter Holder

Microporous Filter

Press Filter

Filtering-Washing-Drying Filter

CARTRIDGE FILTER HOUSING

PSFA Series Single Round Liquid Filter Housing

Product Introduction

PSFA series single-round liquid filter is small and quality filter housing with no dead corner and easy to clean, meeting the quality standards for sanitary and electronic grade. These filter housings are equipped with sanitary vent and drain ports to avoid contamination at working area, or to collect the upstream liquid in housing, widely used in biopharmaceutical industry and life science.

Feature and Benefit

- Machining by CNC lathe, standard interface, high dimension accuracy
- Drain thoroughly
- Scientific structure, no dead angle, easy to clean, easy to use
- High roughness of polishing, interior 0.3 micron, exterior 0.4 micron
- Optional electro polishing or matte finish treatment
- ISO2852 standard grade tri-clamp or flange connection

Materials

Housing	304/316L
Vent / Drain	304/316L
Clamp	304
Standing Leg	304

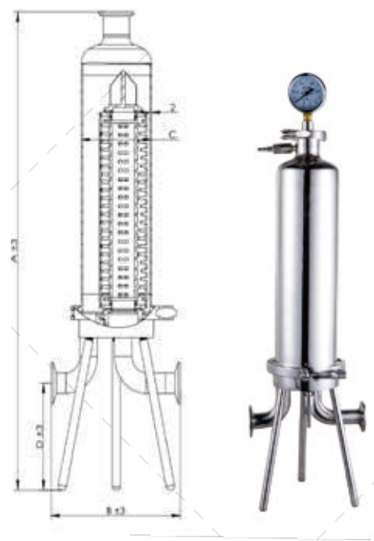
Surface Finish

Polishing Type	Mirror Polished/Interior Electro Polished
Roughness of Polishing	Interior 0.3μm/ Exterior 0.4μm

Connections

Cage Connection	Heavy - duty clamp
Inlet/Outlet	Tri Clamp/Flange
Vent	Quick Release Valve
Manometer	1.5S Tri Clamp

DRAWINGS



Type	Length	A Total Height (mm)	B Inlet and Outlet Distance (mm)	C Barrel Diameter (mm)	D Height of Entrance and Exit from Ground(mm)
1 Core	5"	490	187	101.6	132
1 Core	10"	590	187	101.6	132
1 Core	20"	870	187	101.6	132
1 Core	30"	1110	187	101.6	132
1 Core	40"	1370	187	101.6	132

Operating Conditions

Max. Operating Temperature	130°C
Design Pressure	1.0 Mpa
Max. Pressure Resistance	0.8 Mpa

ORDER INFORMATION

PRODUCT	FILTER Q'TY	LENGTH	MATERIAL	CONNECTION	CAGE CONNECTION	INLET/OUTLET	O-RING	SURFACE FINISH
PSFA	01	05(5")	S(304)	AO(DOE)	K(Tri Clamp)	K25(Tri-Clamp DN25)	S(Silicone)	M(Mirror Polished)
		10	L(316L)	BN(222)		K38(Tri-Clamp DN32)	V(Viton)	E(Electro Polished)
		20	C(C-276)	CN(226)			E(EPDM)	
		30	T(TA2)	M Thread			T(Teflon)	
		40						

PSFB Series Multi Round Liquid Filter Housing

Product Introduction

PSFB series multi round liquid filter is a high-end sanitary filter housing. With a scientific structural design, it fully complies with GMP requirements.It is suitable for biopharmaceutical industry and life science.

Feature and Benefit

- High dimensional accuracy, standard interface, excellent sealing
- Drain thoroughly
- Scientific structure, no dead angle, easy to clean, anti - pollution.
- High roughness of polishing, interior 0.3 micron, exterior 0.4 micron
- Optional electro polishing or matte finish treatment
- Easy to disassemble and easy to use

Materials

Housing	304/316L
Vent / Drain	304/316L
Clamp	304
Swing Bolts	304
Standing Leg	304

Surface Finish

Polishing Type	Mirror Polished/Interior Electro Polished
Roughness of Polishing	Interior 0.3μm/ Exterior 0.4μm

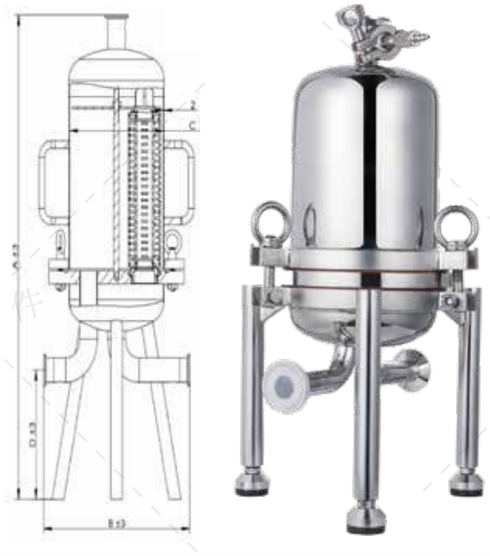
Connections

Cage Connection	Flange (Swing Bolts)
Inlet/Outlet	Tri Clamp/Flange
Vent	Quick Release Valve
Manometer	1.5S Tri Clamp

Operating Conditions

Max. Operating Temperature	130°C
Design Pressure	0.8 Mpa
Max. Pressure Resistance	0.6 Mpa

DRAWINGS



Type	Length	A Total Height (mm)	B Inlet and Outlet Distance (mm)	C Barrel Diameter (mm)	D Height of Entrance and Exit from Ground(mm)
3 Cores	10"	760	312	200	200
	20"	1040			
	30"	1270			
	40"	1540			
5 Cores	10"	790	410	250	200
	20"	1070			
	30"	1300			
	40"	1570			
7 Cores	10"	800	426	273	200
	20"	1080			
	30"	1310			
	40"	1580			
9 Cores	20"	1160	460	300	200
	30"	1390			
	40"	1660			
12 Cores	30"	1440	560	350	200
	40"	1710			

ORDER INFORMATION

PRODUCT	FILTER Q'TY	LENGTH	MATERIAL	CONNECTION	CAGE CONNECTION	INLET/OUTLET	O-RING	SURFACE FINISH
PSFB	03	10(10")	S(304)	AO(DOE)	K(Tri Clamp)	K25(Tri Clamp DN25)	S(Silicone)	M(Mirror Polished)
	05	20	L(316L)	BN(222)	D(Ring)	K38(Tri Clamp DN32)	V(Viton)	E(Electro Polished)
	07	30	C(C-276)	CN(226)		F32(Flange DN32)	E(EPDM)	
	09	40	T(TA2)			F38	T(Teflon)	
	12					F50		

PSFC Series Pipeline Filter Housing

Product Introduction

The PSFC series filter is a sanitary pipe filter housing. It uses the design of a filtration structure with the inlet at the top and the outlet at the bottom. It fully meets the requirements of the sanitary grade and GMP, and is suitable for for biopharmaceutical industry and life science.

Feature and Benefit

- Pipe connection, can be used for gas or liquid filtration
- Structure science, no dead angle, easy to clean, anti-pollution
- Drain thoroughly
- High roughness of polishing, interior 0.3 micron, exterior 0.4 micron
- Optional electro polishing or matte finish treatment
- Easy to disassemble and easy to use

Materials

Housing	304/316L
Vent / Drain	304/316L
Clamp	304

Surface Finish

Polishing Type	Mirror Polished/Interior Electro Polished
Roughness of Polishing	Interior 0.3μm/ Exterior 0.4μm

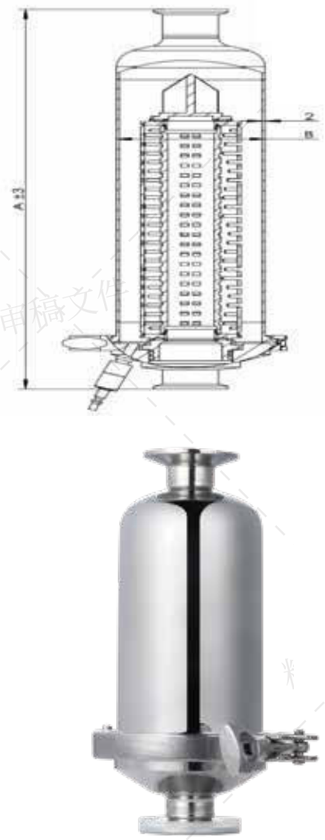
Connections

Cage Connection	Ferrule Clamp
Inlet/Outlet	Tri Clamp/Flange
Vent	Quick Rlease Valve

Operating Conditions

Max. Operating Temperature	130°C
Design Pressure	0.8 Mpa
Max. Pressure Resistance	0.6 Mpa

DRAWINGS



Type	Length	A Total Height(mm)	B Cylinder Diameter (mm)
1 Core	5"	320	101.6
	10"	420	
	20"	700	
	30"	930	
3 Cores	10"	550	168

ORDER INFORMATION

PRODUCT	QUANTITY	LENGTH	MATERIAL	CONNECTION	CAGE CONNECTION	INLET/OUTLET	O-RING	SURFACE FINISH
PSFC	01(1 CORE)	05(5")	S(304)	AO(DOE)	K(Tri Clamp)	K25(Tri Clamp DN25)	S(Silicone)	M(Mirror Polished)
	03	10	L(316L)	BN(222)	D(RING)	K38(Tri Clamp DN32)	V(Viton)	E(Electro Polished)
		20	C(C-276)	CN(226)		F25(Flange DN25)	E(EPDM)	
		30	T(TA2)			F40(Flange DN25)	T(Teflon)	

PSFD Series Air Filter Housing

Product Introduction

The PSFD series filter is a sanitary air filter housing. It uses the design of a filtration structure with the inlet at the top and the outlet at the bottom. It fully meets the requirements of the sanitary grade and GMP, and is suitable for biopharmaceutical industry and life science.

Feature and Benefit

- Pipe connection, can be used for gas or liquid filtration
- Structure science, no dead angle, easy to clean, anti-pollution
- Drain thoroughly
- High roughness of polishing, interior 0.3 micron, exterior 0.4 micron
- Optional electro polishing or matte finish treatment

Materials

Housing	304/316L
Vent/Drain	304/316L
Clamp	304
Screw	304

Surface Finish

Polishing Type	Mirror Polished/Interior Electro Polished
Roughness of Polishing	Interior 0.3μm/ Exterior 0.4μm

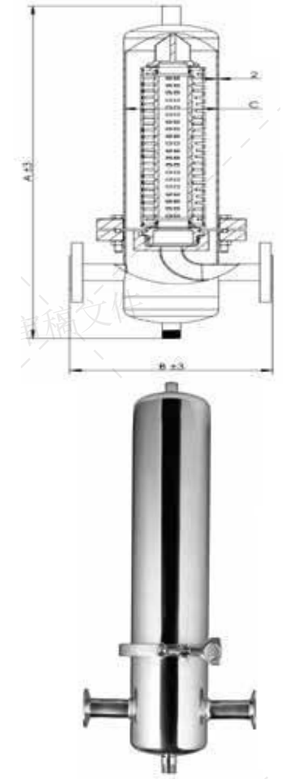
Connections

Cage Connection	Tri Clamp/Flange
Inlet/Outlet	Tri Clamp/Flange
Vent	G1/4"
Manometer	M14*1.5/Flange

Operating Conditions

Max. Operating Temperature	130°C
Design Pressure	1.0 Mpa
Max. Pressure Resistance	0.8 Mpa

DRAWINGS



Type	Length	A Total Height(mm)	B Inlet and Outlet Distance (mm)	C Barrel Diameter (mm)
1 Core	5"	320	218	101.6
	10"	500		
	20"	780		
	30"	1010		
3 Cores	10"	670	326	200
	20"	950		
5 Cores	20"	1070	410	250
	30"	1300		

ORDER INFORMATION

PRODUCT	QUANTITY	LENGTH	MATERIALS	CONNECTION	CAGE CONNECTION	INLET/OUTLET	O-RING	SURFACE FINISH
PSFD	01(1 CORE)	05(5")	S(304)	AO(DOE)	K(Tri Clamp)	K25(Tri Clamp DN25)	S(Silicone)	M(Mirror Polished)
	03	10	L(316L)	BN(222)	D(RING)	K38(Tri Clamp DN32)	V(Viton)	E(Electro Polished)
	05	20	C(C-276)	CN(226)		F25(Flange DN25)	E(EPDM)	
		30	T(TA2)			F40(Flange DN25)	T(Teflon)	

PSFE Series Vent Housing/Gas Filter Housing

Product Introduction

PSFE series is a sanitary grade vent housing,fully complying with the requirements of sanitary grade and GMP.It is suitable for microbial fermentation or gas purification and filtration.

Feature and Benefit

- Scientific structure, no dead space, easy to clean, easy to use
- High roughness of polishing, interior 0.3 micron, exterior 0.4 micron
- Mirror polishing or electro polishing
- Standard interface, excellent sealing, high safety
- Easy to disassemble and easy to use

Materials

Housing	304/316L
Clamp	304

Surface Finish

Polishing Type	Mirror Polished/Interior Electro Polished
Roughness of Polishing	Interior 0.3μm/ Exterior 0.4μm

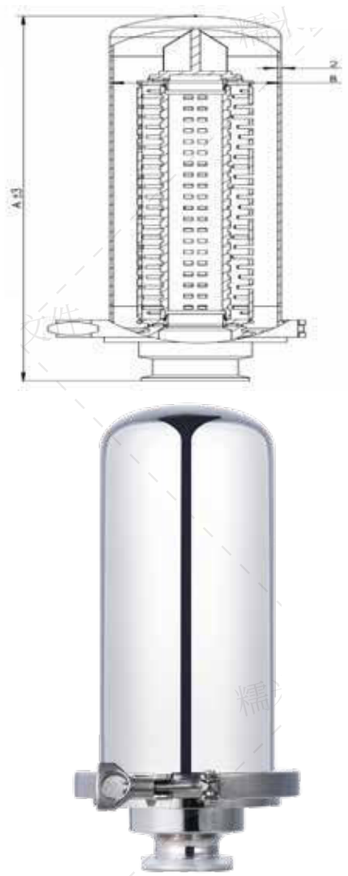
Connections

Cage Connection	Clamp
Inlet/Outlet Connection	Tri-Clamp

Operating Conditions

Max.Operating Temperature	130°C
Design Pressure	0.8Mpa
Max.Pressure Resistance	0.6Mpa

DRAWINGS



Type	Length	Total Height (mm)	Cylinder Diameter (mm)
1 Cores	2.5"	180	101.6
	5"	285	
	10"	362	
	20"	643	

ORDER INFORMATION

PRODUCT	FILTER Q'TY	LENGTH	MATERIAL	CONNECTION	CAGE CONNECTION	INLET/OUTLET CONNECTION	O-RING/ GASKET	SURFACE FINISH
PSFE	01(1 CORE)	2.5(2.5")	S(304)	AO(DOE)	K(Tri-Clamp)	K25(Tri-Clamp DN25)	S(Silicone)	M(Mirror Polished)
		10	L(316L)	BN(222)		K38(Tri-Clamp DN32)	V(Viton)	E(Electro Polished)
		20	C(C-276)	CN(226)			E(EPDM)	
		30					T(Teflon)	

PSFF Series High Flow Cartridge Filter Housing

Product Introduction

PSFF series liquid filter housing is a special sanitary filter housing for large flow filter cartridge,with side in side out type filter structure design, it is easy to clean.There is an opening at the top to install and use easily.

Feature and Benefit

- Scientific structure, good sealing, no dead space, easy to clean
- Drain thoroughly
- Upper opening structure, easy to install and maintain, easy to use
- With compacting structure, small floor space
- High roughness of polishing, interior 0.3 micron, exterior 0.4 micron
- Optional internal electro polishing or external sandblasting

Materials

Housing	304/316L
Vent/Drain	304/316L
Clamp	304
Swing Bolts	304
Standing Leg	304

Surface Finish

Polishing Type	Mirror Polished/Interior Electro Polished
Roughness of Polishing	Interior 0.3μm/ Exterior 0.4μm

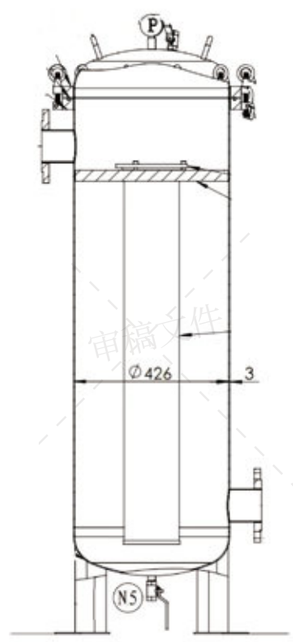
Connections

Housing Connection	Swing Bolts
Inlet/Outlet	Flange
Vent	G1/4"
Drain	G1/4"
Manometer	M14*1.5

Operating Conditions

Max.Operating Temperature	130°C
Design Pressure	0.8Mpa
Operating.Pressure	0.6Mpa

DRAWINGS



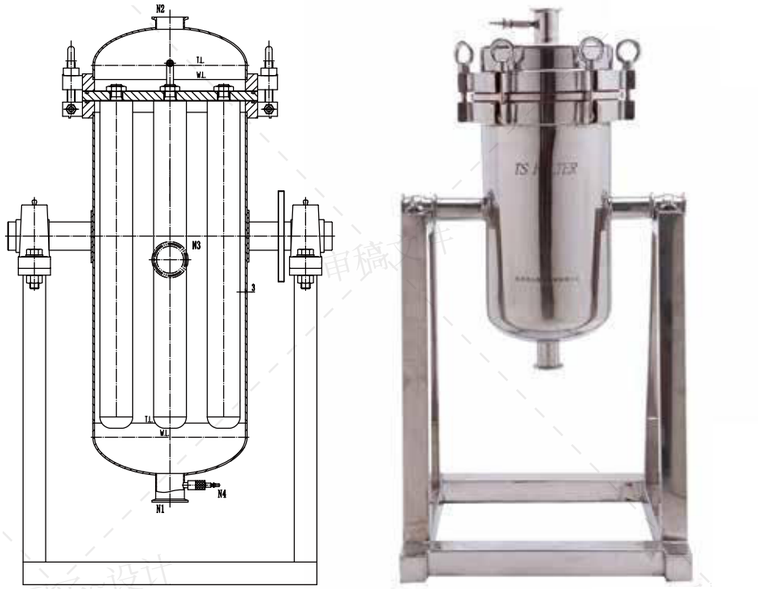
Type	Length	A Total Height (mm)	B Inlet and Outlet Distance (mm)	C Barrel Diameter (mm)	D Height of Entrance and Exit from Ground(mm)
1 Core	20"	1106	400	219	370
2 Cores		1146	600	426	400
3 Cores		1188	640	450	400
4 Cores		1188	700	500	400
5 Cores		1380	810	550	550
6 Cores	40"	1616	400	219	370
7 Cores		1701	600	426	400
8 Cores		1708	640	400	400
9 Cores		1721	700	500	200
10 Cores		1880	810	550	550

ORDER INFORMATION

PRODUCT	FILTER Q'TY	LENGTH	MATERIAL	CONNECTION	CAGE CONNECTION	INLET/OUTLET CONNECTION	O-RING/ GASKET	SURFACE FINISH
PSFF	01(Single)	20(20")	S(304)	A(NORMAL TYPE)	D(RING)	F50(Flange DN50)	S(Silicone)	M(Mirror Polished)
	03	40(40")	L(316L)			F80(Flange DN80)	V(Viton)	E(Electro Polished)
	04		C(C-276)			F100(Flange DN100)	E(EPDM)	
	06		T(TA2)			F150	T(Teflon)	
	07					F200		
	09					F300		

ROTARY FILTER HOUSING

BJTI Series Titanium Cartridge Filter Housing



Product Introduction

Filter housing is made of 316L and 304 high quality stainless steel.The inside and outside of the filter housing have undergone mirror polishing treatment.
Filter cartridge is titanium cartridge.It has the characteristics of corrosion resistance, high temperature resistance, impact resistance, non-toxic, no particle shedding, no adsorption of pharmaceutical ingredients, long service life, easy to clean, renewable.The titanium filter cartridge is a deep filter,and the particles can adhere tightly to the wall surface of the pore channels to form a "bridging phenomenon", intercepting particles smaller than the titanium cartridge and improving the filtration precision.

Operating Conditions

Type of Construction	Rotary and Fixed
Design Pressure	0.60Mpa
Max.Operating Pressure	0.50Mpa
Max.Operating Temperature	180℃

Technical Specification

TYPE	LENGTH	CAGE DIAMETER	INLET/OUTLET CONNECTION	HEIGHT	OUTER DIMENSIONS (mm)	
3 Cores	10"	168	K38(Tri-Clamp DN32)	721	400	400
5 Cores		219	K38(Tri-Clamp DN32)	750	450	400
7 Cores		250	K50(Tri-Clamp DN50)	750	500	450
9 Cores		273	K50(Tri-Clamp DN50)	750	520	450
3 Cores	20"	168	K38(Tri-Clamp DN32)	982	400	400
5 Cores		219	K38(Tri-Calmp DN32)	1000	450	400
7 Cores		250	K50(Tri-Clamp DN50)	1000	500	450
9 Cores		273	K50(Tri-Clamp DN50)	1000	520	450

BAG FILTER HOUSING

PSFG Series Bag Filter Housing

Product Introduction

The PSFG series is a sanitary grade bag filter housing. It adopts the design of the filtration structure with side inlet and bottom outlet meeting the filtration requirements of the sanitary grade.

Feature and Benefit

- Scientific structure, good sealing, no dead angles, easy to clean
- Complete liquid discharge
- Upper opening structure, easy to disassemble and easy to use
- With compacting structure, small floor space

Materials

Housing	304/316L
Vent/Drain	304/316L
Eye Bolt	304
Standing Leg	304

Surface Finish

Polishing Type	Mirror Polished/Interior Electro Polished
Roughness of Polishing	Interior 0.3μm /Exterior 0.4μm

Connections

Cage	Ring
Inlet/Outlet	Flange
Vent	G1/4"
Drain	G1/4"
Manometer	M14*1.5

Operating Conditions

Max.Operating Temperature	130℃
Designed Pressure	0.8Mpa
Max.Pressure Resistance	0.6Mpa

DRAWINGS

Type		A Total Height (mm)	B Inlet and Outlet Distance (mm)	C Barrel Diameter (mm)	D Height of Entrance and Exit from Ground(mm)	E Height from the ground of the outlet(mm)
1 BAG	#1 BAG	992	180	200	742	148
	#2 BAG	1320	180	200	1089	148
	#3 BAG	754	160	168	495	188
3 BAGS	#1 BAG	1300	350	450	635	250
	#2 BAG	1700	350	450	1035	250
4 BAGS	#2 BAG	1755	380	530	1100	350
5 BAGS	#2 BAG	1900	430	650	1150	350
7 BAGS	#2 BAG	1950	450	650	1200	350

ORDER INFORMATION

PRODUCT	BAG Q'TY	BAG SIZE	MATERIAL	CAGE CONNECTION	INLET/OUTLET CONNECTION	O-RING/ GASKET	SURFACE FINISH
PSFG	01(1 bag)	1#(180*480)	S(304)	D(Ring)	F50(Flange DN50)	S(Silicone)	M(Mirror Polished)
	02(2 bags)	2#(180*810)	L(316L)		F80	V(Viton)	P(Sand Blasting)
	03(3 bags)	3#(102*229)	C(C-276)		F125	E(EPDM)	
	04(4 bags)	4#(102*381)	T(TA2)		F150	T(Teflon)	
	05(5 bags)				F200		
	06(6 bags)				F300		
	07(7 bags)						
	08(8 bags)						

BASKET FILTER HOUSING

LSCB Series Basket Magnetic Filter Housing

Product Introduction

The basket filter is a small device used to remove solid particles from liquids. It is mainly composed of connecting pipes, the main pipe, the filter basket, flanges, flange covers and fasteners. When the fluid enters the filter cylinder equipped with a filter screen of a certain specification, the impurities are blocked, and the clean fluid passes through the filter basket and is discharged from the outlet of the filter.

Working Principle

During the conveying process of the liquid slurry, when the liquid slurry passes through the filter, under the magnetic effect of the strong magnetic rod, the ferromagnetic impurities in the liquid slurry are adsorbed on the sleeve of the magnetic rod, completely removing the ferromagnetic impurities in the liquid slurry and ensuring that the content of iron impurities can be effectively controlled in the next working procedure.

Install and Use

Connect the interface flange of the magnetic filter with the liquid slurry output pipeline ,and make the liquid slurry flow evenly through the filter. Check the cleaning cycle after a period of trial use.

Surface Finish

Polishing Type	Mechanical Polished/ Electro Polished
Roughness of Polishing	Interior Ra 0.3um/Exterior Ra 0.4um

Materials

Housing	304/316L/CS
Anticorrosive Lining Material	PTFE FEP(F40) ETFE(F40)
Connection	Flange
Sealing	Silicone Viton EPDM PTFE

Operating Conditions

Operating Pressure	0.1-0.4Mpa
Operating Temperature	-10~140℃

Technical Specification

TYPE	MAGNETIC ROD Q'TY	MAGNETIC INTENSITY(GS)	FLOW RATE (m^3/h)	DIMENSIONS (mm)	OPERATING PRESSURE (Mpa)	OPERATING TEMPERATURE(℃)
LSCB-3	3	9000-12000	3	220*133*180	0.1-0.4Mpa	-10~140℃
LSCB-5	5	9000-12000	5	280*230*220	01-0.4Mpa	-10~140℃
LSCB-7	7	9000-12000	10	330*230*240	0.1-0.4Mpa	-10~140℃
LSCB-9	9	9000-12000	12	360*230*260	0.1-0.4Mpa	-10~140℃
LSCB-12	12	9000-12000	25	480*320*300	0.1-0.4Mpa	-10~140℃
LSCB-14	14	9000-12000	30	480*320*350	0.1-0.4Mpa	10~140℃
LSCB-18	18	9000-12000	40	480*350*350	0.1-0.4Mpa	-10~140℃

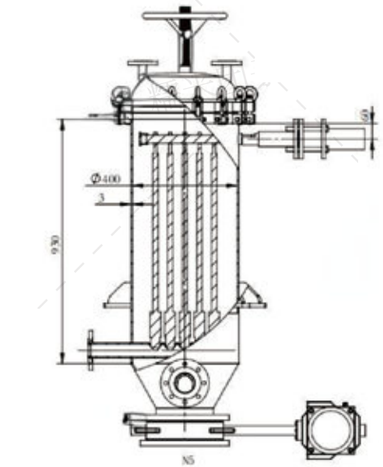
TYPE	MAGNETIC ROD Q'TY	CAGE MATERIAL	CONNECTION	INLET/OUTLET CONNECTION	O-RING / GASKET	SURFACE FINISH
LSCB	3	304	Flange	Flange	Silicone	Mechanical Polished
	5	316L	Tri Clamp	Tri Clamp	Viton	Electro Polished
	7	CS		Thread	EPDM	
	9	A(Antiseptic)			PTFE	
	12					
	14					
	18					

VERTICAL LEAF FILTER HOUSING

YP Series Leaf Filter Housing

Product Introduction

The leaf-type closed plate filter, also known as a leaf filter, diatomite filter or crude oil filter, is an efficient, energy-saving and enclosed precision clarification filtration device.
It uses double-sided filter plates installed vertically, reducing equipment cost and facilitating rapid dregs discharge.
Suitable for low-viscosity filter residue or wet discharge processes.
Compared to other closed filtration devices with the same filtration area, its volume is reduced by 40%, and the vertical installation is convenient for vibration-assisted dregs removal.



Materials

Housing	304 316L 2205
Filter Plate	304 316L 2205/ 5 layer sintering
Filter Plate Pore	300 mesh, 380 mesh, 400 mesh
Connection	Flange/Clamp
Sealing	Silicone Viton EPDM PTFE

Surface Finish

Polishing Type	Mechanical Polished
Roughness of Polishing	Interior Ra 0.3 / Exterior Ra 0.4

Operating Conditions

Operating Pressure	0.1-0.5Mpa
Operating Temperature	-10~140℃

Technical Specification

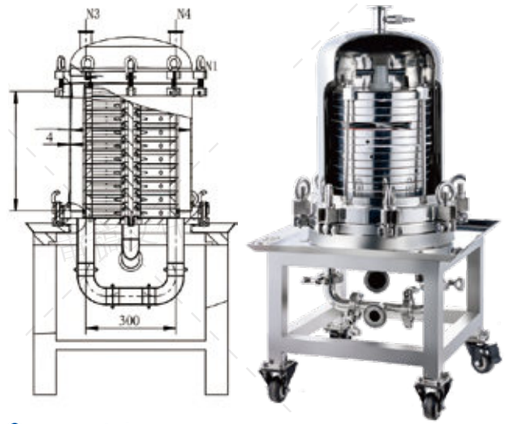
TYPE	FILTER AREA (m^2)	FILTER CAKE VOLUME (L)	PROCESSING CAPACITY(T/h.m^2)			VOLUME (L)	OPERATING PRESSURE (Mpa)	CYLINDER DIAMETER (mm)	HEIGHT (mm)	BLADE SPACING (mm)	OUTER DIMENSIONS (mm)
			GREASE	RESIN	BEVERAGE						
YP-2	2	30	0.4-0.6	1-1.5	1-2	140	0.1-0.5Mpa	400	1730	56	655*1074
YP-5	5	60	0.8-1.2	2-3	2-4	390		600	2092	56	800*1260
YP-7	7	105	1.4-2	3-5	4-8	420		700	2185	56	980*1330
YP-10	10	150	2-3	5-8	5-10	860		800	2546	68	1030*1480
YP-15	15	240	2.4-3.6	6-9	6-12	1320		1000	2600	68	1250*1690
YP-20	20	300	3-5	7-12	8-16	1320		1000	2900	68	1250*1690
YP-25	25	400	4-6	10-15	10-20	1170		1100	2900	68	1500*1600
YP-30	30	500	5-7	12-18	12-24	2200		1200	3200	70	1600*1800

STACKED PLATE-AND-FRAME FILTER HOUSING

CD Series Stacked Plate-and-Frame Filter Housing

Product Introduction

The stainless steel multi-layer plate and frame filter is a new type of liquid filter for removing tiny impurities from various liquids.
It consists of multiple overlapping filter mesh plates and flange rings. The computer-punched holes in the mesh plates ensure even pressure distribution and high filtration accuracy. The machine's inner shell and base form a closed cavity. Liquid enters this cavity through holes in the upper flange ring, passes through the mesh plates, and exits through holes in the middle flange, with the filtered liquid being discharged from the outlet.



Surface Finish

Polishing Type	Mechanical Polished/ Electro Polished
Roughness of Polishing	Interior Ra 0.3 / Exterior Ra 0.4

Materials

Housing	304 316L 2205 CSanti-corrosion
Anticorrosive Lining Material	PTFE FEP(F40) ETFE(F40) halar
Filter Plate Pore	PTFE PES PP 304/316L
Filter Tube Micron	0.22um-5um
Connection	Flange Clamp
Sealing	Silicone Viton EPDM PTFE

Operating Conditions

Operating Pressure	0.1-0.5Mpa
Operating Temperature	-10~90°C

ORDER INFORMATION

TYPE	FILTER AREA (m^2)	FILTER CAKE VOLUME (L)	OPERATING PRESSURE (Mpa)	SIZE(mm)	MICRON (um)	FLOW RATE (m^3/h)	CARBON STORAGE (KG)	MOTOR POWER (KW)
CD-300	5	0.7	0.1-0.5Mpa	ϕ300	0.22-5	4	3	0.75
	10	1.4		ϕ300		8	6	1.1
	15	2.1		ϕ300		12	9	1.5
	20	2.8		ϕ300		16	12	2.2
CD-400	10	2.5		ϕ400		14	15	2.2
	15	3.75		ϕ400		21	20	2.2
	20	5		ϕ400		28	30	3
CD-500	10	3.9		ϕ500		25	35	3
	20	7.8		ϕ500		50	70	3
CD-550	10	4.75		ϕ550		30	40	4
	20	9.5		ϕ550		60	80	4
CD-600	10	5.65		ϕ600		80	100	4
	15	8.47		ϕ600		100	150	4
	20	11.3		ϕ600		120	200	4
CD-800	10	10		ϕ800		100	150	4
	20	20		ϕ800		200	300	4

PSFH Series Depth Stack Filter Housing

Product Introduction

The PSFH series is a sanitary grade depth stack filter with a bottom-inlet and bottom-outlet structural design.
12-inch or 16-inch filter cartridges can be accommodated to meet the requirements of high-flow filtration processes.

Feature and Benefit

- Scientific structure, no dead ends, easy to clean, anti-pollution
- High polishing accuracy
- Compact structure and small size
- Simple to disassemble and convenient to use
- Horizontal inlet and outlet
- Drain the liquid thoroughly

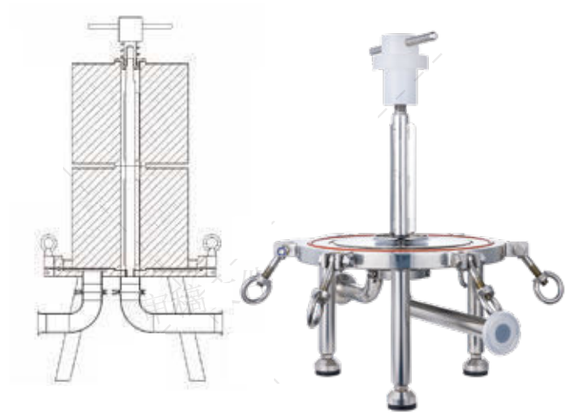
Materials

Housing	304/316L
Vent/Drain	304/316L
Clamp	304
Swing Bolts	304
Standing Leg	304

Surface Finish

Polishing Type	Mirror Polished / Interior Electro Polished
Roughness of Polishing	Interior Ra 0.3 / Exterior Ra 0.4

DRAWINGS



Type	Layers	Total Height (mm)	Inlet and Outlet Distance (mm)	Cylinder Diameter (mm)	Inlet and Outlet Height Above Ground (mm)
A	1 layer	810	690	450	150
B	2 layers	1080	690	450	200
C	3 layers	1450	690	450	200
D	4 layers	1710	690	450	250

Connections

Cage	Flange (Eye Bolt)
Inlet/Outlet	Flange /Tri Clamp
Vent	Quick Release Valve
Drain	1/2", 1/4" Valve
Manometer	Flange /Tri Clamp

Operating Conditions

Max.Operating Temperature	130°C
Designed Pressure	0.8Mpa
Max.Pressure Resistance	0.6Mpa

ORDER INFORMATION

PRODUCT	CARTRIDGE SPECIFICATIONS	MATERIAL	CAGE CONNECTION	INLET/OUTLET CONNECTION	O-RING / GASKET	SURFACE FINISH
PSFH	1216(12 inch 16 layers)	S(304)	D(Ring)	K38(Tri Clamp DN32)	S(Silicone)	M(Mirror Polished)
	1232	L(316L)		K50(Tri Clamp DN50)	V(Viton)	E(Electro Polished)
	1248				E(EPDM)	
	1264				T(Teflon)	
	1616(16 inch 16 layers)					
	1632					
	1648					
	1664					

TANK

Product Introduction

Stainless steel storage tanks (tote bins) are used for clean storage of intermediate material liquids in industries like large volume parenterals, injections, biological products, oral liquids, blood products, yeast products, fine chemicals (cosmetics), and fermentation.
They are also suitable for vacuum buffers in vacuum processing, separating moisture from gases, stabilizing system pressure, and ensuring stable and continuous gas supply.

Materials

Housing	304/316L
Standing Leg	304

Surface Finish

Polishing Type	Mirror Polished /Interior Polished
Roughness of Polishing	Interior 0.4um/Exterior 0.6um

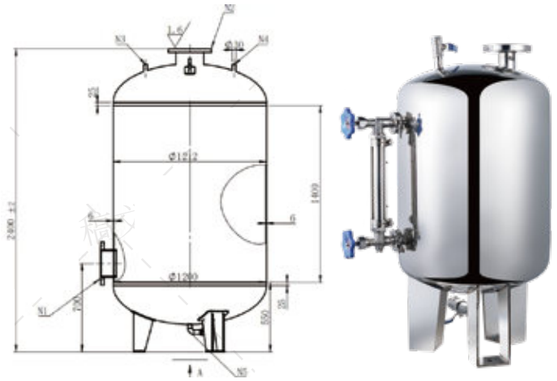
Connections

Inlet/Outlet	Tri Clamp/KF/Flange
Vent	Thread
Drain	Thread

Operating Conditions

Operating Temperature Range	-10~130℃
Designed Pressure	-0.1-1.0Mpa
Max Pressure Resistance	-1-0.8Mpa

DRAWINGS

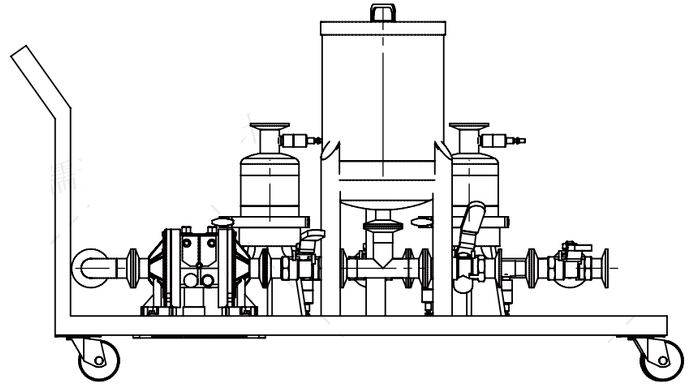


Type	A Total Height(mm)	B Inlet and Outlet Distance (mm)	C Barrel Diameter (mm)	D Height of Entrance and Exit from Ground(mm)
50L	794	400	500	100
100L	1010	450	650	100
200L	1200	600	800	100
300L	1250	700	900	100
500L	1650	700	900	100
1000L	2000	900	1100	100
1500L	2300	1000	1300	100
2000L	2400	1200	1500	100
3000L	2860	1300	1600	100

ORDER INFORMATION

PRODUCT	TYPE	MATERIAL	INLET/OUTLET CONNECTION	SURFACE FINISH
HVTA	50(60L)	S(304)	K25(Tri Clamp DN25)	M (Mirror Polished)
	100	L(316)	K38	E (Electro Polished)
	200	A(Antiseptic)	K51	P (Sand Blasting)
	193	Spray PTFE	F40(DN32)	
	293	Lined with PTFE	F50	
	300		F66	

TROLLEY FILTER SYSTEM SERIES



Product Introduction

Trolley filter is a small, movable filter system that integrates multiple filter types. It is mainly used for one batch filtration with situations of limited space, low flow rates, and small amount of volume.
The system is equipped with a diaphragm pump or a centrifugal pump, and the inlet and outlet are always hose connections.

ORDER INFORMATION

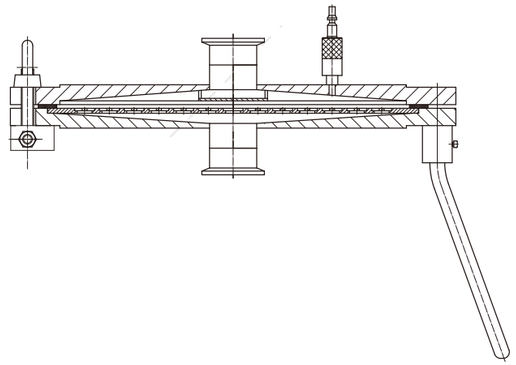
TYPE	FILTER COMPOSITION	FILTER STAGE	MICRON	VOLTAGE	FLOW RATE
A	FILTER BAG+FILTER CARTRIDGE	PRIMARY FILTER BAG,SECOND -SATGE FILTER CARTRIDGE	50um~1um	220V	0.5T/h
B	MULTISTAGE FILTER CARTRIDGE	TERTIARY FILTER CARTRIDGE	10um~0.1um	220V	0.5T/h
C	FILTER CARTRIDGE+FILTER MEMBRANE	SECONDARY FILTER CARTRIDEG,PRIMARY FILTER MEMBRANE	10um~0.1um	220V	0.2T/h
D	FILTER BAG+FILTER CARTRIDGE +FILTER MEMBRANE	PRIMARY FILTER BAG,SECONDARY FILTER CARTRIDGE, PRIMARY FILTER MEMBRANE	50um~0.1um	220V	0.2T/h

PSFG SERIES

STAINLESS STEEL DISC MEMBRANE FILTER HOLDER

Product Introduction

The disc membrane filter holder is sanitary grade and detachable with good appearance and sealing, can be performed in forward or reverse flow direction, much suitable for sterile filtration of small batch fluids, like biological products, valuable liquids, also suitable for tests to select the specifications and conditions for membranes.



Materials

Housing	304/316L
Diaphragm Deflector	316
Eye Bolt	304
Holder	304

Surface Finish

Polishing Type	Mirror Polished、Interior Electro Polished
Roughness of Polishing	Interior 0.3um/Exterior 0.6um

Connections

Cage Connection	Hanging Rings
Inlet/Outlet	Tri-Clamp
Vent	Quick Release Valve

Membrane Size	A Total Height (mm)	B Height of Exit from Ground (mm)
ϕ90	255	148
ϕ142	255	148
ϕ150	255	148
ϕ193	255	148
ϕ293	260	148
ϕ300	260	148

Operating Conditions

Max.Operating Temperature	130℃
Designed Pressure	1.0Mpa
Max.Pressure Resistance	0.8Mpa

ORDER INFORMATION

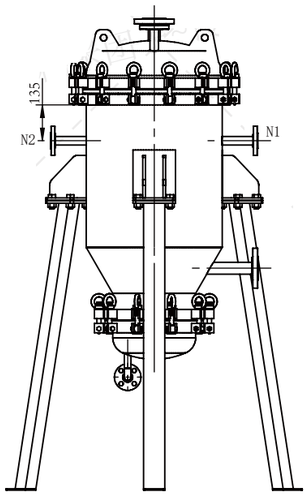
PRODUCT	TYPE	HOUSING MATERIAL	CAGE CONNECTION	INLET/OUELET	O-RING/GASKET	SRUFACE FINISH
PSFG	90(ϕ168)	S(304)	D(Ring)	K19(Tri-clamp DN19)	S(Silicone)	M (Mirror Polished)
	142	L(316L)		K25(Tri-clamp DN25)	V(Viton)	E (Electro Polished)
	150	A(Antiseptic)		K32	E(EPDM)	
	193	Spray PTFE		K38	T(Teflon)	
	293	Lined with PTFE		K51		
	300					

MICROPOROUS FILTER

OMELA INDUSTRIAL FILTERS

Product Introduction

The HSFC series microporous filters are used to separate the solids from liquids, especially suitable for liquids with high concentration of solids.



Feature and Benefit

- Especially for liquids with high concentration of solids
- Minimum micron is 0.3um
- Backflushing design(by water or gas)
- PE & PA powder sintered filters for filtration
- Large discharge port
- Easy to introduce the automatic control program

Materials

Housing	304/316L
Vent/Drain	304/316L
Duct	304/316L
Holder	304

Type	Filtration Area(㎡)	Volume(L)	Maximum Slag Volume (㎥)
HSFC-1	1	35	0.005
HSFC-2	2	50	0.01
HSFC-3	3	70	0.015
HSFC-5	4	200	0.025
HSFC-10	5	600	0.05
HSFC-20	6	800	0.1

Surface Finish

Polishing Type	Mirror Polished/Sand Blasting
Roughness of Polishing	Interior 0.6um

Connections

Cage Connection	Rings
Inlet/Outlet	Flange
Vent	Flange
Drain	Flange
Manometer	Flange DN25

Operating Conditions

Max.Operating Temperature	-20~120℃
Designed Pressure	1.2Mpa
Max.Pressure Resistance	0.4Mpa

ORDER INFORMATION

PRODUCT	FILTARTION AREA(㎡)	CONNECTION	HOUSING MATERIAL	CAGE CONNECTION	INLET/OUTLET CONNECTION	SLAG OUTLET (mm)	O-RING/GASKET
HSFC	1	M20(20mm)	S(304)	D(Ring)	F50(Flange DN50)	50	S(Silicone)
	2	M25(25mm)	L(316L)		F80	80	V(Viton)
	3	M30(30mm)	A(Antiseptic)		F125	200	T(Teflon)
	4		Lined with PTFE		F150	200	
	5		Spray PTFE		F200	250	
	6					250	

PRESS FILTER

HSFB Series Press Filter

Feature and Benefit

- Scientific structure, excellent sealing, no dead corners, easy to clean.
- Can be made with a jacket for heat preservation or cooling.
- With vent and drain to ensure complete draining
- Top closure structure, easy to use and replace the filter bag.

Materials

Housing	304/316L/Carbon Steel
Vent/Drain	316
Clamp	304
Standing Leg	304

Surface Finish

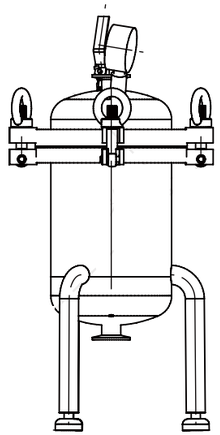
Polishing Type	Mirror Polished/Sand Blasting
Roughness of Polishing	Interior 0.6um

Connections

Cage Connection	Eye Bolt Buckle
Inlet/Outlet	Flange
Vent	Flange
Drain	Flange
Manometer	Flange /Tri-clamp

Operating Conditions

Max.Operating Temperature	-20~130℃
Designed Pressure	0.6Mpa
Max.Pressure Resistance	0.6Mpa



Type	Volume(L)	Total Height(mm)	Filter Press Bag Dimensions(mm)
ф400	30	1100	ф400*270
ф500	50	1214	ф500*300
ф500	100	1554	ф5000*540
ф700	150	1480	ф700*430
ф700	200	1550	ф700*540
ф800	300	1755	ф800*640
ф1000	400	1776	ф1000*560
ф1000	500	1886	ф1000*670

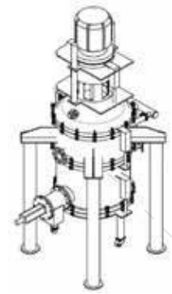
ORDER INFORMATION

PRODUCT	FILTER BAG DIAMETER(mm)	HOUSING MATERIAL	CAGE CONNECTION	INLET/OUTLET CONNECTION	O-RING/GASKET
HSFB	01(200)	S(304)	D(Ring)	K51(Tri-clamp DN50)	S(Silicone)
	03(300)	L(316L)		F50(Flange DN50)	V(Viton)
	04(400)	A(Antiseptic)		F80	T(Teflon)
	06(600)	C(C-276)		F125	
	08(800)			F150	
				F200	

FILTERING-WASHING-DRYING (THREE IN ONE) FILTER

Product Introduction

The filtering-washing-drying device is used to carry out solid-liquid separation of the solid-liquid mixture after crystallization in a vessel by the pressure difference between the upstream and downstream of filter cake, can complete the processes of filtering-washing-re-filtering-re-washing-filtering or filter pressing-drying-automatic discharge of materials in the same device, that's full automatic mode, basically meets the requirements of GMP.
Features: simple structure, multi-functional integrated automatic control operation, capable of multiple functions such as stirring, washing, drying and discharging, online cleaning.



Feature and Benefit

1.Closed filter, no leakage, no pollution.
2.Operate under pressure or vacuum condition to achieve solid-liquid separation Uniform cake division during filtration, good solid-liquid separation performance.
3.Lifting motor stirring system to maximize the slag storage space during filtration. Lifting and stirring of the mixing paddle for thorough washing of the filter cake and improved drying efficiency.
4.Fully automatic discharging, labor saving and easy to clean.
5.Horizontal filter material (metal mesh, filter cloth, sintered mesh, T-shaped mesh), one-time filtration with no residuals. Special sealing construction for filter materials, easy and quick replacement.
6. Capable of stirring, blending, beating before filtering and cleaning, regeneration, drying after fitering, with advantages of simple operation, high production efficiency and contamination resistance, easy to replace the mixtures.
7.For corrosive liquids/mixtures, the interior of device can be lined with corrosion-resistant material. The lifting drum components of the stirring shaft are made of special alloys with excellent corrosion resistance.
8. Before filtration, it can be stirred, mixed and pulped in the machine body, and after filtration, it can be cleaned, regenerated and dried in the machine body. It has the features of simplifying process flow, improving production efficiency, preventing material pollution, convenient material replacement, and electromechanical integration. At the same time, the area of the whole production process is greatly reduced, reducing the basic investment costs of customers.

FOUR APPLICATION STAGES

Filtering Stage	When the filter cake is incompressible, the filtration rate increases with the rise of pressure. When the filter cake is compressible, the filtration rate decreases with the rise of pressure. In most cases, the thickness of the filter cake is between 120 and 500 mm.
Washing Stage	Cleaning processes usually use two different techniques. 1.Displacement cleaning. Using a relatively small amount of cleaning liquid can yield a product of high purity. 2.Redispersion cleaning. Using a larger amount of cleaning liquid and going through several identical steps can result in a product of high purity.
Drying Stage	Lift down the agitator to loosen the filter cake. the sidewall of the equipment, the bottom of the filter plate, and the moving agitating blades simultaneously heat the filter cake. By evacuating the tank to reduce the boiling point, the liquid evaporates rapidly to achieve the drying effect. Alternatively, treated hot nitrogen and other media can be added to carry away the evaporated water, accelerating the drying of the material and enhancing the drying effect.
Discharging Stage	Close the heating water valve first, and slowly open the cooling water valve (cylinder, paddle, vacuum filter are all indicated in green). Slowly lower the stirring paddle to stir the material for accelerated cooling. Then, the vacuum pump can be turned on to evacuate the hot air. Before opening the discharge valve, fill with pure nitrogen for balanced protection. When the pressure reaches atmospheric pressure, discharge the material from the discharge valve through the reverse - pushing action of the stirring paddle.

ORDER INFORMATION

TYPE	FILTER AREA(㎡)	MOTOR POWER(KW)	DEVICE VOLUME(L)	VOLUME(L)	INNER DIAMETER(mm)	CAGE HEIGHT (mm)	LIFTING HEIGHT OF PADDLE BLADE(mm)
450	0.16	1.5	65	10-15	450	620	120
650	0.33	3	240	23-65	650	980	230
800	0.5	4	400	40-100	800	1070	230
1000	0.79	5.5	780	75-160	1000	1300	250
1200	1.13	7.5	1450	120-340	1200	1600	350
1400	1.54	11	2100	200-460	1400	1680	350
1600	2.01	15	3000	280-600	1600	1950	350
2000	3.14	18.5	5300	450-1300	2000	2150	500
2600	5.31	30	8900	810-2000	2600	2400	500
3000	7.07	37	13000	1400-3500	3000	2600	550