



石家庄一通过滤

SHIJIAZHUANG YITONG FILTER

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石家庄一通过滤器设备制造有限公司
Shijiazhuang Yitong Filter Machinery Co., Ltd.

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ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ
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COMPANY PROFILE



“No man is useless in this world who lightens the burden of someone else.” by Charles Dickens

Shijiazhuang Yitong Filter Machinery Co., Ltd. would like to be the one who lightens the burden of yours, and to be your the most loyalty and trusted friend.

Shijiazhuang Yitong Filter Machinery Co., Ltd. was established in 2003, during 13 years' development, we dedicated ourselves in developing, designing, producing, and promoting of advanced filtration technique and filtration components. We hope each of our clients can get benefits from our filter cartridge products and we hope we can make every small progress with them together.

Nowadays, our filter cartridges products have been widely working in various industries and get significant improvement for our clients. We thanks to customer's valuable advice, and hope our small improvement can offer better experience and save their cost.

Finally, we wish that with our hard working, we can build glorious future with you together! We warmly welcome overseas customers to our factory for the visitation and cooperation.



COMPANY PATENTED



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YTNL Series

Nylon Pleated membrane filter cartridge

Product Description

Using nylon (N6 / N66) microfiltration membrane as filter medium, has high filtration precision, hydrophilic, easy to wetting, good strength & toughness, excellent chemical compatibility, especially suitable for various kinds of solvents, chemicals filtering.

Performance features

- Limited dissolved matter, high adsorption features
- Low cost, high flow rate
- High filtration accuracy, long service time, can repeat sterilization
- Products by 100% integrity test when factory inspection



Technical parameter

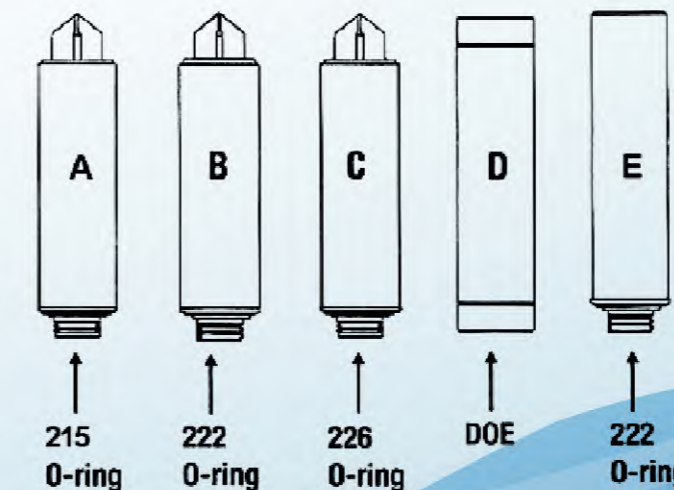
Filter cartridge structure	Filter area	0.65m ²
	Filter membrane	Hydrophilic nylon 66 membrane
	Guide layer	PP
	Inner support, end cap, shell	PP
Working situation	Seal ring material	Silicone rubber, Viton, EPDM, PTFE
	Working temperature	≤90℃
	Maximum working pressure difference (forward direction)	0.4Mpa/23℃
		0.21Mpa/80℃
	Bubble point (23℃ water)	0.22um ≥ 0.32Mpa
0.45um ≥ 0.24Mpa		
Sterilization	121℃/30min steam sterilization	

Product type guide

YTNL	Filtration Accuracy	Length	Connection Type	Seal ring material
	0010=0.1 μm	05=5"	2=222	S=Silicone
	0022=0.22 μm	10=10"	6=226	E=EPDM
	0045=0.45 μm	20=20"	15=215	P=PTFE
	0100=1 μm	30=30"	DOE/SOE=Flat head with gasket	V=Viton
		40=40"		



Useful information



Some common filter cartridge shape

- A 215 O-ring with spear head
- B 222 O-ring with spear head
- C 226 O-ring with spear head
- D Double opening ends (DOE)
- E Single opening end (SOE) O-ring

(O-ring material type can be chosen)

G=Silicone S=EPDM
P=PTFE F=Viton

YTGFL Series

Glass fiber liquid filter cartridge

Product Description

YTGF series filter adopts superfine glass fiber materials, with large pollutants holding capacity and the inherent adsorption ability, especially suitable for filtering with colloid, oils and high content of liquid with particulate matter. Made of super fine glass fiber, low starting pressure difference, high flow capacity, long service life, interception efficiency can reach above 98%.

Performance features

- limited dissolved matter, high adsorption effect.

Application

- Environmental waste water filtration, ink filtration, oil field water injection filtration, wine, soft drinks filtration

Technical parameter

Filter cartridge structure	Filter area	0.6m ²
	Filter membrane	Glass fiber
	Guide layer	Imported Nonwoven
	Inner support, cap, shell	PP, stainless steel
	Seal ring material	Silicone rubber, Viton, EPDM, PTFE
	Outer diameter	50mm, 68mm
Working situation	Working temperature	≤90℃
	Maximum working pressure difference (Forward direction)	0.4Mpa/23℃

Product type guide

YTGFL	Filtration Accuracy	Length	Connection Type	Seal ring material
	0030=0.3 μm	05=5"	2=222	S=Silicone rubber
	0050=0.5 μm	10=10"	6=226	E=EPDM
	0100=1 μm	20=20"	15=215	P=PTFE
	0300=3 μm	30=30"	DOE/SOE=Flat head with gasket	V=Viton
	0500=5 μm	40=40"	2G=222 steel lining	
	1000=10 μm		6G=226 steel lining	

YTGFA Series

Glass fiber air filter cartridge

Product Description

YTGFA series filter cartridge adopts composite glass fiber filter membrane, use long fiber composite non-woven as protection layer, prevent fall off, which causing secondary pollution.

Performance features

- Limited dissolved matter, high adsorption features.

Application

- Pre-filtration of compressed air.
- Fermentation air filtration.

Technical parameter

Filter cartridge structure	Filter area	0.6m ²
	Filter membrane	Glass fiber
	Guide layer	Imported Nonwoven
	Inner support, cap, shell	PP, stainless steel
Working situation	Seal ring material	Silicone rubber, Viton, EPDM, PTFE
	Working temperature	≤90℃
	Maximum working pressure difference (Forward direction)	0.4Mpa/23℃

Product type guide

YTBX	Filtration Accuracy	Length	Connection Type	Seal ring material
	0030=0.3 μm	05=5"	2=222	S=Silicone rubber
	0050=0.5 μm	10=10"	6=226	E=EPDM
	0100=1 μm	20=20"	15=215	P=PTFE
	0300=3 μm	30=30"	DOE/SOE=Flat head with gasket	V=Viton
	0500=5 μm	40=40"	2G=222 steel lining	
	1000=10 μm		6G=226 steel lining	



YTPP Series

Polypropylene (PP) pleated filter cartridge

Product Description

YTPP Series Polypropylene(PP) pleated filter cartridge is made of the high accuracy PP membrane, with widely chemical compatibility, extremely low dissolved matter, and can be used in various filter situation.

Performance features

- The entire PP structure, effectively avoid dissolved matter.
- With widely chemical compatibility, it is suitable for most acid, alkali and solvent filter requirements.
- Multi-layer filter structure, high pollutant holding capacity, long durability.
- The high accuracy PP membrane makes sure filter effectiveness.



Technical parameter

Filter cartridge structure	Filter area	0.65m ²
	Filter membrane	PP
	Guide layer	PP
	Inner support, cap, shell	PP
Working situation	Seal ring material	Silicone rubber, Viton, EPDM, PTFE
	working temperature	≤80℃
	Maximum working pressure difference (Forward direction)	0.4Mpa/23℃ 0.21Mpa/80℃

Product type guide

YTPP	Filtration Accuracy	Length	Connection Type	Seal ring material
	0010=0.1 μ m	05=5"	2=222	S=Silicone rubber
	0022=0.22 μ m	10=10"	6=226	E=EPDM
	0045=0.45 μ m	20=20"	15=215	P=PTFE
	0100=1 μ m	30=30"	DOE/SOE=Flat head with gasket	V=Viton
		40=40"		

YTPTFES Series

Hydrophobic PTFE pleated filter cartridge

Product Description

YTPTFES Series filter cartridge adopts hydrophobic PTFE filter membrane as filtration medium. PTFE membrane has natural hydrophobic ability, No matter under dry or wet conditions, it can achieve good filtration efficiency, and membrane material itself can tolerance high pressure sterilization and steam sterilization many times.

Performance features

- High pass volume, low pressure difference.
- Stable interception efficiency.
- Products by 100% integrity test before delivery.

Application

- Compressed air sterilization filtration, biological reactor feeding air sterilization filtration.
- Fermentation industry air sterilization filtration.



Technical parameter

Filter cartridge structure	Filter area	0.6m ²
	Filter membrane	Hydrophobic PTFE
	Guide layer	Nonwoven
	Inner support、cap、shell	PP, stainless steel
	Seal ring material	Silicone rubber、Viton、EPDM、PTFE
Working situation	Working temperature	≤90℃
	Maximum working pressure difference (Forward direction)	0.4Mpa/23℃
		0.21Mpa/80℃
	Bubble point (23℃ alcohol)	0.1um≥0.1Mpa
		0.22um≥0.8Mpa
Sterilization	121℃/30min steam sterilization	

Product type guide

YTPTFE	Filtration Accuracy	Length	Connection Type	Seal ring material
	0010=0.1 μ m	05=5"	2=222	S=Silicone rubber
		10=10"	6=226	E=EPDM
		20=20"	15=215	P=PTFE
		30=30"	DOE/SOE=Flat head with gasket	V=Viton
		40=40"	2G=222 steel lining	
			6G=226 steel lining	



YTPTFEY Series

Hydrophilic PTFE pleated filter cartridge

Product Description

YTPTFEQ Series filter cartridge adopts hydrophilic PTFE filter membrane as filtration medium. No need to soak wet, can filter directly. The product has excellent corrosion resistance, oxidation resistance, organic solvent resistance, can filter all kinds of corrosive liquid.

Performance features

- High pass volume, low pressure difference.
- Good acid and alkali resistance.
- Widely applicability, chemical compatibility, good resistance to oxidation
- Products by 100% integrity test before delivery.

Application

- Solvent sterilization filtration.
- Corrosive liquid sterilization filtration.
- Strong oxidizing liquid sterilization filtration.

Technical parameter

Filter cartridge structure	Filter area	0.6m ²
	Filter membrane	Hydrophilic PTFE
	Guide layer	Nonwoven
	Inner support, cap, shell	PP, stainless steel
	Seal ring material	Silicone rubber, Viton, EPDM, PTFE
Working situation	Working temperature	≤90℃
	Maximum working pressure difference (Forward direction)	0.4Mpa/23℃
		0.21Mpa/80℃
	Bubble point (23℃ alcohol)	0.1um≥0.1Mpa
		0.22um≥0.8Mpa
Sterilization	121℃/30min steam sterilization	

Product type guide

YTPTFE	Filtration Accuracy	Length	Connection Type	Seal ring material
	0010=0.1 μ m	05=5"	2=222	S=Silicone rubber
	0022=0.22 μ m	10=10"	6=226	E=EPDM
	0045=0.45 μ m	20=20"	15=215	P=PTFE
		30=30"	DOE/SOE=Flat head with gasket	V=Viton
		40=40"	2G=222 steel lining	
			6G=226 steel lining	



YTPES Series

Single layer polyether sulfone (PES) pleated filter cartridge

Product Description

YTPES Series Single layer polyether sulfone (PES) pleated filter cartridge adopts hydrophilic PES filter membrane, which imported from Germany as filtration medium. Using imported highly pure extrude PP mesh as supporting guide layer. Absolutely deal with the trouble of fiber releasing. Easily and effectively reach the maximum filtration area, long products service life. With low protein absorption, high pass capacity features.

Performance features

- Extremely low protein absorption rate helps getting maximum recovery of precious protein.
- Impressive flow rate improves filtering speed
- Filtering accuracy very high, good solvent resistance features, widely used in application.
- Very limited dissolved matter.

Application

- Biological products, infusion, injection, water usage in pharmacy, diagnostic reagents, bottle washing water, solvent, etc end user's filtration. Corrosive liquid sterilization filtration.
- Bacterial filtering of beer, grape wine, mineral water and other soft drink.
- Pure water and other process fluid filtration in microelectronics, precision machinery and other industry.
- The first choice of micro-aperture filter membrane filtration in pharmacy industry, food industry, chemical industry, and other end user filtration needs.



Technical parameter

Filter cartridge structure	Filter area	0.6m ²
	Filter membrane	PES
	Guide layer	PP
	Inner support, end cap, shell	PP
	Seal ring material	Silicone rubber, Viton, EPDM, PTFE
Working situation	Working temperature	≤90℃
	Maximum working pressure difference (Forward direction)	0.4Mpa/23℃
		0.21Mpa/80℃
	Bubble point (23℃ water)	0.22um≥0.32Mpa
		0.45um≥0.24Mpa
Sterilization	121℃/30min steam sterilization	

Product type guide

YTPES	Filtration Accuracy	Length	Connection Type	Seal ring material
	0010=0.1 μ m	05=5"	2=222	S=Silicone rubber
	0022=0.22 μ m	10=10"	6=226	E=EPDM
	0045=0.45 μ m	20=20"	15=215	P=PTFE
		30=30"	DOE/SOE=Flat head with gasket	V=Viton
		40=40"	2G=222 steel lining	
			6G=226 steel lining	



YTPESD Series

Double layer polyether sulfone (PES) pleated filter cartridge

Product Description

YTPESD Series double layer filter cartridges choose hydrophilic PES filter membrane, which imported from Germany as filtration medium. Adopts imported highly pure extrude PP net as supporting guide layer. Absolutely deal with the trouble of fiber releasing. Easily and effectively reach the maximum filtration area, long products service life. With low protein absorption, high output capacity features.

Performance features

- Extremely low protein absorption rate helps getting maximum recovery of precious protein.
- Impressive flow rate improves filtering speed
- Filtering accuracy very high, good solvent resistance features, widely used in application.
- Very limited dissolved matter.

Application

- Biological products, infusion, injection, water usage in pharmacy, diagnostic reagents, bottle washing water, solvent, etc end user's filtration. Corrosive liquid sterilization filtration.
- Bacterial filtering of beer, grape wine, mineral water and other soft drink
- Pure water and other process fluid filtration in microelectronics, precision machinery and other industry.
- The first choice of micro-aperture filter membrane filtration in pharmacy industry, food industry, chemical industry, and other end user filtration needs.



Technical parameter

Filter cartridge structure	Filter area	0.6m ²
	Filter membrane	PES
	Guide layer	PP
	Inner support、end cap、shell	PP
	Seal ring material	Silicone rubber、Viton、EPDM、PTFE
Working situation	Working temperature	≤90℃
	Maximum working pressure difference (forward direction)	0.4Mpa/23℃
		0.21Mpa/80℃
	Bubble point (23℃water)	0.22um≥0.32Mpa
		0.45um≥0.24Mpa
Sterilization	121℃/30min steam sterilization	

Product type guide

YTPVDF	Filtration Accuracy	Length	Connection Type	Seal ring material
	0010=0.1 μ m	05=5"	2=222	S=Silicone rubber
	0022=0.22 μ m	10=10"	6=226	E=EPDM
		20=20"	15=215	P=PTFE
		30=30"	DOE/SOE=Flat head with gasket	V=Viton
		40=40"	2G=222 steel lining	
			6G=226 steel lining	



YTPVDF Series

Polyvinylidene fluoride(PVDF) pleated filter cartridge

Product Description

YTPVDF Series PVDF membrane filter cartridge adopts reinforced PVDF micro pores membrane as medium.

Performance features

- With excellent heat resistance, oxidation resistance, corrosion resistance capability.
- Can continuously used in high temperature environment.
- Suitable for sterilization filtration of the fluid.
- Each filter are passed the integrity test before delivery.

Application

- Solvents and chemical raw materials
- Ink and paint
- High purity solution in electronics industry
- High temperature liquid.



Product type guide

YTPP	Filtration Accuracy	Length	Connection Type	Seal ring material
	0010=0.1 μ m	05=5"	2=222	S=Silicone rubber
	0022=0.22 μ m	10=10"	6=226	E=EPDM
	0045=0.45 μ m	20=20"	15=215	P=PTFE
	0100=1 μ m	30=30"	DOE/SOE=Flat head with gasket	V=Viton
		40=40"		

YTD83 Series

Pleated membrane cartridge

Product Description

YTD83 Series $\Phi 83$ high throughput filter cartridge has a variety of membrane material and filtering accuracy for you to choose. With high flow speed, low pressure difference, wide range of chemical compatibility features. It has excellent performance in LED monitor production of water usage filtration, during the production process of wet conditions. Such as the bottom board cleaning, the rigid, DI water flushing, etc., the water flow volume can reach 100L/min.

Performance features

- Many membrane material and filtration accuracy to choose.
- Large filtration area, long service life.
- High flow volume, low pressure difference.
- Low filtration cost.

Application

- Solvents and chemical raw materials
- Ink and paint
- High purity solution in electronics industry
- High temperature liquid.

Technical parameter

Filter cartridge structure	Filter area	$\geq 1.3\text{m}^2/10$ inches
	Filter membrane	PP、PES、PTFE
	Guide layer	PP
	Inner support、end cap、shell	PP
	Seal ring material	Silicone rubber、Viton、EPDM、PTFE
Working situation	Working temperature	$\leq 90^\circ\text{C}$
	Maximum working pressure difference	0.4Mpa/23 $^\circ\text{C}$



Product type guide

YTD83	Filtration Accuracy	Length	Connection Type	Seal ring material
	0010=0.1 μm	05=5"	2=222	S=Silicone rubber
	0022=0.22 μm	10=10"	6=226	E=EPDM
	0045=0.45 μm	20=20"	15=215	P=PTFE
	0100=1 μm	30=30"	DOE/SOE=Flat head with gasket	V=Viton
		40=40"		

YTD131 Series

Pleated membrane cartridge

Product Description

YTD131 Series $\Phi 131$ high pass volume filter cartridge has a variety of membrane material and filtering accuracy for you to choose. With high flow speed, low pressure difference, wide range of chemical compatibility features, it has excellent performance in LED monitor production of water filtration, and during the production process of wet conditions. Such as the bottom board cleaning, the rigid, DI water flushing, etc., the water flow volume can reach 200L/min.

Performance features

- Many membrane material and filtration accuracy to choose.
- Large filtration area, long service life.
- High flow volume, low pressure difference.
- Low filtration cost.

Application

- Solvents and chemical raw materials
- Ink and paint
- High purity solution in electronics industry
- High temperature liquid.

Technical parameter

Filter cartridge structure	filter area	$\geq 2.3\text{m}^2/10$ inches
	filter membrane	PP、PES、PTFE
	guide layer	PP
	inner support、end cap、shell	PP
	seal ring material	Silicone rubber、Viton、EPDM、PTFE
Working situation	working temperature	$\leq 90^\circ\text{C}$
	Maximum working pressure difference	0.4Mpa/23 $^\circ\text{C}$



Product type guide

YTD131	Filtration Accuracy	Length	Connection Type	Seal ring material
	0010=0.1 μm	05=5"	2=222	S=Silicone rubber
	0022=0.22 μm	10=10"	6=226	E=EPDM
	0045=0.45 μm	20=20"	15=215	P=PTFE
	0100=1 μm	30=30"	DOE/SOE=Flat head with gasket	V=Viton
		40=40"		

YTD152 Series

Pleated membrane cartridge

Product Description

YTD152 Series high flow rates filter cartridge adopts high polymer PP, NY, GF material. With loosen fiber structure and high porosity increased the pollutant holding capacity. High flowing speed and large pollutant holding capacity features made it becomes the most economical pre-filtering cartridge.

Performance features

- Efficient surface utilization design provides good liquid flowing speed, it ensure the efficient particle removal rate, and also prolong the service life span of the product at the same time. Large filtration area, long service life.
- One-piece design, easy installation and disassembly.

Application

- Seawater desalination, water cooling, and other security filters



Technical parameter

Filter cartridge structure	Filter area	6m ² /10inches
	Filter membrane	PP, NL GF
	Guide layer	PP
	Inner support, cap, shell	PP
	Seal ring material	Silicone rubber, Viton, EPDM, PTFE
	Length	40inches (1016mm) 60inches (1524mm)
Working situation	Filtration accuracy	0.45 μ m, 1 μ m, 3 μ m, 5 μ m, 10 μ m
	Working temperature	≤90℃
	Maximum working pressure difference (forward direction)	0.35Mpa/23℃
	Flow rate	60m ³ /h



Product type guide

YTD152	Filtration Accuracy	Length	Connection Type	Seal ring material
	0010=0.1 μ m	05=5"	2=222	S=Silicone rubber
	0022=0.22 μ m	10=10"	6=226	E=EPDM
	0045=0.45 μ m	20=20"	15=215	P=PTFE
	0100=1 μ m	30=30"	DOE/SOE=Flat head with gasket	V=Viton
		40=40"		

YTDPPRP Series

PP melt-blown filter cartridge

Product Description

YTDPPRP series adopts avirulent and flavorless polypropylene particles, after heating, melting, spinning, drawing, forming to tubular deep filter cartridge, have outstanding chemical compatibility, strong pollutant carrying capacity, long service life, and low cost advantages.

Performance features

- Gradient layers of filtration loosen outside and tight inside, layers of interception, high filtration accuracy, large pollutant holding capacity.
- 100% pure PP produced.

Application

- Chemical industry: all kinds of organic solvents, acid, alkali filtration, and oil field injection water filtration, etc.
- Electronic industry: pure water, ultrapure water filtration, etc.
- Food and beverage industry: all kinds of alcohol, beverage, water filtration, etc.
- Pharmaceutical industry: all kinds of injection, liquid medicine, and bottles washing water filtration, etc.
- Water treatment: reverse osmosis prefiltration.

Technical parameter

Filter cartridge structure	material	PP
	OD	63mm
	ID	28mm、30mm
	inner support	non support or PP support
Note: welded 226 or 222 connector or cap seal		
Working situation	working temperature	≤80℃
	Maximum working pressure difference	0.35Mpa/23℃



YTXR Series

String wound filter cartridge

Product Description

YTXR Series string wound filter cartridge is made of textile fiber thread (PP thread, degreased cotton thread, etc.) which according to the specific process winding in porous frame (PP or stainless steel). It has loosen outside and tight inside honeycomb like structure, it can effectively remove the suspended solids, particles, rust and other impurity in the fluid, has very good filtration features.

Performance features

- Small pressure difference, large flow volume.
- large pollutant holding capacity, long service life.
- The bore size small to big from inside to outside. With excellent deep filtering effect.

Application

- Chemical industry: all kinds of organic solvents, acid, alkali filtration, and oil field injection water filtration, etc.
- Electronic industry: pure water, ultrapure water filtration, etc.
- Food and beverage industry: all kinds of alcohol, beverage, water filtration, etc.
- Pharmaceutical industry: all kinds of injection, liquid medicine, and bottles washing water filtration, etc.
- Water treatment: reverse osmosis prefiltration.

Technical parameter

Filter cartridge structure	material	PP, degreased cotton thread
	inner support	PP, stainless steel
Working situation	working temperature	PP ≤ 60℃ Absorbent Cotton ≤ 120℃
	Maximum working pressure difference	0.2Mpa/23℃



YTPE series

PE sintered filter cartridge

Product Description

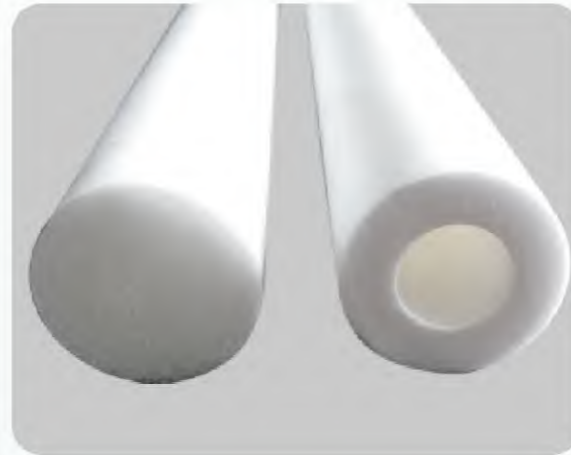
YTPE series PE sintered filter cartridge (PA filter, PAC filter, PA decarburization filter) using high polyethylene as the main raw material, material in accordance with GMP and FDA requirements. Each filter cartridge got bubbles evenness testing before delivery, to ensure micro-pore uniformly distributed.

Performance features

- Wide application.
- After high temperature sintering with scientific formula, has good mechanical properties.
- Particles firmly bonded, not easy to fall off.

Application

- Water treatment filtration, decarburization filtration, oil field injection back water filtration.



Product type guide

YTPE	Filtration Accuracy	Length	Connection Type	Seal ring material
	0010=0.1 μm	05=5"	2=222	S=Silicone rubber
	0022=0.22 μm	10=10"	6=226	E=EPDM
	0045=0.45 μm	20=20"	15=215	P=PTFE
	0100=1 μm	30=30"	DOE/SOE=Flat head with gasket	V=Viton

YTPTFESJ Series

PTFE sintered filter cartridge

Product Description

YTPTFESJ Series filter cartridge is made of PTFE powder through high temperature and high pressure sintering, forming to pipe like micro-pore filter element.

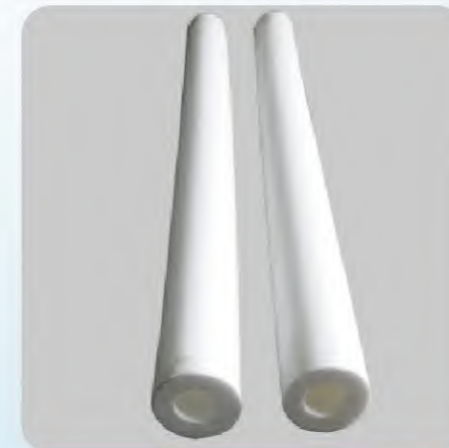
Performance features

- Steam filtration.



Technical parameter

Filter cartridge structure	Material	PTFE
	Filtration accuracy	0.3um~20um
	Standard OD	22mm、45mm
	Standard length	260mm
Working situation	Working temperature	≤200℃



YTZSS Series

Sintered Metal Pleated Filter Cartridge

Product Description

YTZSS Series Sintered Metal Pleated Filter Cartridge is made by SS wire mesh, after overlaying and vacuum sintering, it has larger filtration area. The SS wire mesh through high temperature sintering made of porous depth filter material, the pore from coarse to fine, has trapezoid aperture, It has the characteristics of absolute filtration efficiency, high porosity and high pollutant carrying capacity



Performance features

- High porosity, strong permeability, low resistance, low pressure difference.
- Large filtration area and strong absorption capacity.
- High temperature resistance, corrosion resistance, suitable for high viscosity medium filtration.
- Strong reproducibility, after chemical cleaning, high temperature and ultrasonic cleaning, can be used repeatedly.
- Maximum temperature 300 °C, maximum pressure 300MPa.

Application

- Steam filtration.
- Oxidizing liquid filtration.
- Strong polarized solvent filtration.
- Corrosive liquid filtration.
- Liquid material decarburization filtration.
- Liquid and gas filtration under the condition of high temperature and pressure.
- Viscous liquid filtration.

Washing procedure

- Medical and food industry - Hot water immersion, steam hot washing, hydrolysis, scrubbing, compressed air blowing.
- Chemicals industry - Solvent immersion, ultrasonic cleaning, high pressure water cleaning, pickling, oven baking.



Technical parameter

Filter cartridge structure	Material	SS 316L or 304
	OD (mm)	50、60 (or customerized)
	Length	150mm-1500mm (or customerized)
	Filtration accuracy	1~100um
Working situation	Connector	M20、M30、222、226 (or customerized)
	Working temperature	≤450℃



YTZSJ Series

Sintered Metal Mesh Filter Cartridge

Product Description

YTFSJ Series Sintered Metal Mesh Filter Cartridge is made of multi-layers of 316L or 304 SS filtering mesh. It has excellent pressure, heat, corrosion resistance, and also large pollutant carrying capacity, which make it the best choice for the separation of solid- liquid material which has rigid particles. Excellent reverse-flow washing effect, can use repeatedly, enhanced service life.



Application

- Steam filtration.
- Oxidizing liquid filtration.
- Strong polarized solvent filtration.
- Corrosive liquid filtration.
- Liquid material decarburization filtration.
- Liquid and gas filtration Under the condition of high temperature and pressure.
- Viscous liquid filtration.

Technical parameter

Filter cartridge structure	Material	SS 316L or 304	
	OD (mm)	30、50、60、70 (or customized)	
	Length (inch)	5, 10, 20, 30, 40 (or customized)	
	Filtration accuracy (um)	0.45, 1.0, 3, 5, 10, 15, 20, 30, 50, 100	
	Connector	M20 = M20*2.5 ;M30 = M30*2	
		M42= M42*2 ;	
		2 = 222 ;6 = 226	
		01= 215 ;02= 220	
		F = Flange	
		K = Quick installation	
Working situation	Working temperature	≤450℃	

YTSS Series

Sintered Metal Powder Filter Cartridge

Product Description

The Sintered Metal Powder Filter Cartridge Element is made of fine metal powder after pressing and forming by vacuum furnace sintering, with uniform structure and high porosity and high temperature resistance.



Application

- Seawater desalination, sewage treatment.
- Oil, organic solvents, liquid medicine filtration.
- All kinds of gas, steam filtration of dedusting, degemming, degreasing, demist, etc.c.
- Pure water, mineral water end-user filtration.

Technical parameter

Filter cartridge structure	Material	316L、Titanium	
	OD (mm)	30、50、60、70 (or customized)	
	Length (inch)	5, 10, 20, 30, 40 (or customized)	
	Filtration accuracy (um)	0.45, 1.0, 3, 5, 10, 15, 20, 30, 50, 100	
	Connector	M20 = M20*2.5 ;M30 = M30*2	
		M42= M42*2 ;	
		2 = 222 ;6 = 226	
		01= 215 ;02= 220	
		F = Flange	
		K = Quick installation	
Working situation	Working temperature	≤450℃	

YTAN Series

Activated carbon Granule filter cartridge

Product Description

YTAN series activated carbon Granule filter cartridge adopts granular activated carbon as adsorption medium, it can greatly remove the peculiar smell in the air and harmful gas.

Performance features

- Strong adsorption capacity, high grade of removal efficiency, reliable performance, easy installation and maintenance, low operating cost.

Application

- Widely used in the electronics factory, museum, and luxurious office buildings for the industrial and commercial ventilation system purpose.



Technical parameter

Size (mm)	Activated carbon layer thickness (mm)	Activated carbon volume (kg)	Primal resistance (Pa)	nominal air delivery (m ³ /h)	Removal rate (%@5um)
145*330	20	1.5	120	225	95
145*400	20	1.8	90	225	95
145*480	20	2.2	70	225	95

YTTXW Series

Carbon fiber pleated filter cartridge

Product Description

YTTXW series filter cartridge is made of activated carbon fiber and PP material. With physical interception function, which at the same time, it can absorb residual chlorine, bacteria, pigment and partial heavy metal. Widely used in bottled drinking water industry to remove oxidizing substances and some organic impurities (such as free chlorine) in process water usage.

Performance features

- High interception rate, high absorption rate.
- Widely chemical compatibility.

Application

- Environmental emissions filtration.
- Adsorption of residual chlorine, decoloring, etc. processes widely used.



Technical parameter

Filter cartridge structure	Filter membrane	Activated carbon fiber
	Guide layer	Long fiber nonwoven
	Inner support、end cap and shell material	PP
	Seal ring material	Silicone rubber、Viton、EPDM、PTFE
Working situation	Working temperature	≤90℃
	Maximum working pressure difference	0.4Mpa/23℃

YTY Series

Stainless steel liquid filter

Product Description

YTY series stainless steel liquid filter mainly used in pharmacy, chemical refinement, brewing, drinking water and other industrial fields, for the liquid filtration and clarification filtration purpose. It can effectively remove the suspended substances, rust, etc. All of the material which contact with main liquid are made of 316L and 304 stainless steel, and after mechanical and electrical polishing, it can provide excellent durability and maximum corrosion resistance ability, the filter can match with most liquid materials and flow rate request.



Specifications

Filter shell material	Filter shell material	Stainless steel 304或316L
	Seal ring	silicon rubber、EPDM、PTFE
	clamps and bolts	SS304
	Surface polish	mechanical polishing or mirror polishing, Ra≥0.4um
Connection type	Body connection type	Flange or quick coupling
	Pressure gage	M14 or sanitary pressure gage
	Filter cartridge connection type	222、226、screwed
	Filter connection type	Flange or quick coupling
Maximum pressure	≤0.8MPa	
Filter shell thickness	3mm (can be customized after requests)	

YTQ Series

Stainless steel air filter cartridge

Product Description

YTQ series stainless steel air filter is mainly used for the microbial fermentation system in the process of sterile air preparation. In order to get truly sterile air, the deoiled, dewatered and compressed air need further sterilization filtration. The filter install high volume dust holding glass fiber and PTFE membrane filter cartridge to achieve absolutely sterilization filtration. All of the material which contact with main filtering air are made of stainless steel 316L and 304 material, and after mechanical and electrical polishing.



Specifications

Filter shell material	Filter shell material	Stainless steel 304或316L
	Seal ring	Silicon rubber、EPDM、PTFE
	Clamps and bolts	SS304
	Surface polish	Mechanical polishing or mirror polishing, Ra≥0.4um
Connection type	Body connection type	Flange
	Pressure gage	Screwed
	Filter cartridge connection type	222、226、screwed
	Filter connection type	Flange or quick coupling
Maximum pressure	≤0.8MPa	
Filter shell thickness	4mm (can be customized after requests)	

YTDS Series

Bag type liquid filter

Product Description

YTDS series bag filter liquid filter is mainly used for coarse filtration and prefiltration, is a large flow bag filtration equipment, all of the material which contact with the liquid made of 316L and 304 stainless steel material, and through mechanical or electrolytic polishing.

Easy to operate, high effective, suitable for high flow, high capacity of filtering applications.

Use pressure ring and spring tightly press the filter bag opening to ensure the excellent sealing between the filter and filter bag.

With the rocker device on the top, the cover and body connected by rings nut, easy disassembly.

Performance features

- Large flow, compact design and bigger dirty-holding capacity.
- Easy maintenance; no need clean.
- Good sealing and avoid liquid side leakage.
- Bigger working pressure, less pressure loss, energy-saving and low running cost.
- Micron rating up to 0.5 μm .
- Widely application with flexible installation and operation.



Specifications

Filter shell material	Filter shell material	Stainless steel 304或316L
	Seal ring	silicon rubber、EPDM、PTFE
	clamps and bolts	SS304
	Surface polish	mechanical polishing or mirror polishing, $Ra \geq 0.4\mu\text{m}$
Connection type	Body connection type	bolt or eyebolt
	Pressure gage	screwed
	Filter cartridge connection type	222、226、screwed
	Filter connection type	Flange or quick coupling
Filter bag quantity	1 to 15 pieces	
Maximum pressure	$\leq 0.8\text{MPa}$	
Filter shell thickness	4mm (can be customized after requests)	

YTFZ Series

Rotatable filter

Product Description

YTFZ series Rotatable filter is mainly used in pharmaceutical, chemical industry, for the decarburization, impurities removal purpose. The filter's rotatable design is helpful for the removal of dry carbon and impurity in the shell, and is easy to install. All of the material which contact with the liquid are made of 316L and 304 stainless steel material, and through mechanical or electrolytic polishing.



Specifications

Filter shell material	Filter shell material	Stainless steel 304或316L
	Seal ring	silicon rubber、EPDM、PTFE
	clamps and bolts	SS304
	Surface polish	mechanical polishing or mirror polishing, $Ra \geq 0.4\mu\text{m}$
Connection type	Body connection type	Flange
	Pressure gage	Screwed or clamp connection
	Filter cartridge connection type	222、226、screwed
	Filter connection type	Quick coupling
Maximum pressure	$\leq 0.8\text{MPa}$	
Filter shell thickness	3mm (can be customized after requests)	

YTQX Series

Reverse cleaning filter

Product Description

YTQX series reverse cleaning filter is a matured filter product in our company. The whole filtration and reverse cleaning process is hermetic and finished in the internal of the filter body. Adopting micropore filter cartridge as the core part. The PE, PA and metal material filter cartridge can be chosen according to the working condition. The filter cartridge can be washed and reuse. Save the operating cost and prolong the product service life.



Specifications

Filter shell material	Filter shell material	Stainless steel 304或316L
	Seal ring	silicon rubber、EPDM、PTFE
	clamps and bolts	SS304
	filter cartridge	PE、PA、Ti sintered、SS sintered
	Surface polish	mechanical polishing or mirror polishing, Ra≥0.4um
Connection type	Body connection type	Bolts or eye bolts
	Pressure gage	Screwed
	Filter cartridge connection type	Screwed
	Filter connection type	Quick coupling
Filter bag quantity	10~200 pieces	
Maximum pressure	≤0.8MPa	
Filter shell thickness	3mm (can be customized after requests)	

YTPPL Series

PP filter bag

Product Description

YTPPL series PE filter bag is made of needled felt material, it has good filtration accuracy. The surface after singeing, press polishing and coating treatment, no fiber loses. Hot melt seamless joint technology ensure no side leakage.

Optional double layer structure, effectively increase the filter working area, increase the pollutant holding capacity. Double-layer particles intercepting makes outstanding interception efficiency. Economical type filter bag has good cost efficiency, is suitable for low viscosity liquid filtration.



Performance features

- Hot melt seamless joint technology to ensure no side leakage.
- Belong to depth filtration, has good pollutant holding capacity.
- Optional double-layer structure has better pollutant holding capacity and interception efficiency than single layer.
- Can be suitable for low viscosity liquid condition. In high flow speed condition, has very good performance to intercept solid and soften particles.

Application

- Chemical industry: resin, solvent filtration, etc.;
- Water treatment: security filtering before membrane filtration, raw water treatment, process circulating water filtration;
- Food and beverage industry: beer and all kinds of tea drinks coarse filtration, etc.;
- Pharmaceutical industry: the traditional Chinese medicine extraction of coarse filtration, etc.;
- The automotive industry: electrophoresis paint, electroplating liquid filtration, etc
- Others: The amine liquid, lubricating oil filtration.

Technical parameter

Filtration accuracy	Working pressure	Maximum	Connection type
1um-100um	0.3Mpa (25°C)	80°C	Plastic ring or Stainless steel ring

YTNLL Series

Nylon filtration bag

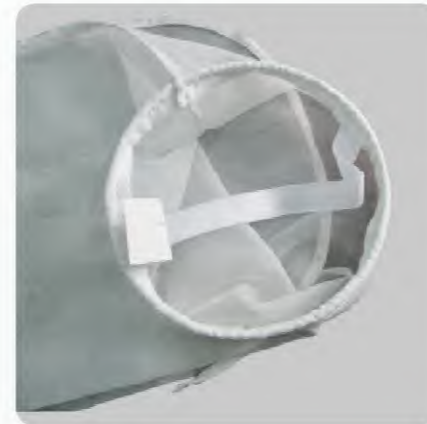
Product Description

YTNLL series Nylon filtration bag is made by nylon long fiber mesh filter material. It has fixed aperture, belongs to the surface filtration. Can effectively intercept various rigid impurity particles. The nylon material can tolerate high operating temperature, hard to deformation, good tensile strength.

Filter bag has high passing ability advantages, suitable for filtering big impurity particles, prefiltration or coarse filtration, which suitable for not high filtration accuracy.

Performance features

- Adopts nylon filament knitting, avoids fiber loose.
- In each node of the fiber, hot melt welded, fiber will not changing its position along with the pressure, thus ensuring the aperture fixed.
- Belong to the surface filtration, with good pressure resistance of nylon material, it can be repeated washed.
- Suitable for high viscosity material and filtering big impurity particles.
- low primary pressure, high pass volume.



Application

- Chemical industry: all kinds of coating paint, printing ink, ink, resin, adhesives, etc.
- Auto industry: degreasing filtration, etc.
- Electronic industry: all kinds of cutting fluid filtration, etc.
- Food and beverage industry: water treatment prefiltration and all kinds of tea drinks coarse filtration, etc.
- Pharmaceutical industry: the traditional Chinese medicine extraction of coarse filtration, etc.

Technical parameter

Filtration accuracy	Working pressure	Maximum	Connection type
1μm-100 μm	0.3Mpa (25℃)	140℃	Plastic ring or Stainless steel ring

YTHT Series

Powder recycle filter cartridge

Product Description

YTHT series powder recycle filter cartridge widely used in pharmacy industry medicine powder recycle, powder filtration in spray dry tower, etc. The filter cartridge is made of special material, with high temperature resistance glue sealed, suitable for high temperature filtration, can be repeated washed and reused. High interception efficiency makes excellent recycle rates.



Technical parameter

Filtration material	Polyester fiber
End cap material	Stainless steel plate
Inner support	Stainless steel mesh
Filtration rate	95%@5um
Filter drum size (mm)	Can be customized according to requests



YTCT Series

Air dust filter cartridge

Product Description

YTCT series air dust filter cartridge is widely used in gas turbine, air compressor, air blower, and other air power equipment.



Technical parameter

Filtration material	Plant fiber, chemical fiber, polyester fiber
End cap material	Galvanized sheet, stainless steel plate
Inner support	Galvanized steel mesh, stainless steel mesh
Filtration rate	F5~F9
Filter drum size (mm)	325*500、325*660、325*1000 (Customerized service: Preferred)

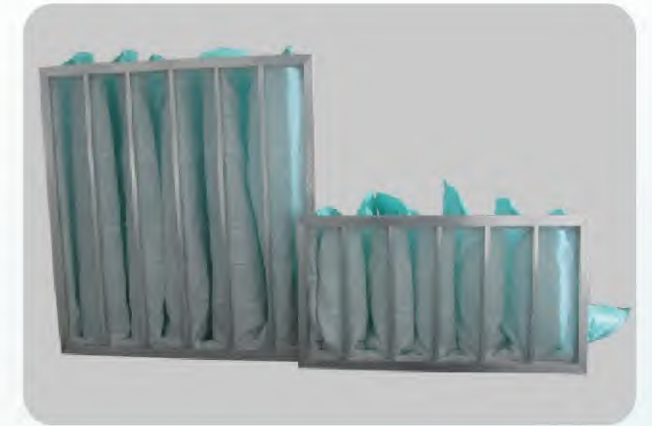


YTDS Series

Bag type air filter

Product Description

YTDS series bag type filter is the most widely used in pharmacy, automotive and food manufacturing industry, and other industries for the ventilation system usage. The filtration efficiency is mainly fall into G3, G4, F5, F6, F7, F8 and F9 grades. It has large filtration area, large dust holding capacity, low resistance advantages, etc. Adopts new type of composite non-woven, fine glass fiber or imported synthetic fiber. Additional reinforce forming filtration material, bag modeling, match with various metal frames (galvanized sheet, aluminum plate, aluminum alloy section bar material).



Performance features

- Strong structure design.
- High filtration rate, long service life
- Low primal resistance.
- Light structure, easy to install
- Excellent fleecy multilayer synthetic fiber filtering paper can achieve maximum filtration efficiency.

Application

- Widely used in central air conditioning ventilation system, pharmacy, hospitals, electronics, food and other industrial purifying.

Technical parameter

Dimension(mm)	Bag quantity(PCS)	Effective area(m ²)	Rated air volume(m ³ /h)	Primal resistance(Pa)
592*592*500	6	4.32	3600	≤70
287*592*500	3	2.16	1800	≤70
495*495*500	5	2.45	2000	≤70
Customerized service: Preferred				

YTGW Series

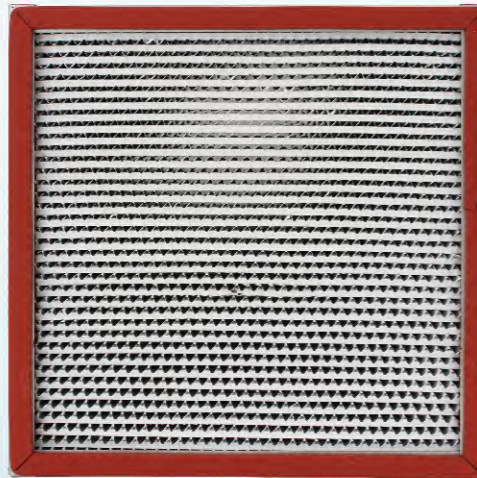
Heat resistance HEPA filter

Product Description

YTGW series heat resistance high efficiency filter is used in ultra clean drying oven, sterilization cabinet, and other purifying equipments and systems, which have high temperature condition requirement. It has high efficiency, low resistance, large dust holding capacity, excellent heat resistance and other advantages.

Performance features

- Framework: stainless steel plate.
- Filter material: ultra-fine glass fiber filter paper
- Segment material: the aluminum foil.
- Sealant: imported high temperature resistant silicone
- Sealing strip: imported high temperature resistant silicone strip
- Working temperature: 300 °C or less



Technical parameter

Dimension(mm)	Filtration efficiency(%)	Primal resistance (Pa)	Rated air volume (m³/h)
610*610*150	99.99%	≤220	1000
305*610*150			500
610*610*292			1700
305*610*292			850

Note: Some regular sizes listed here. Customized service preferred.

YTV Series

V type combined filter

Product Description

YTV series v type combined filter is mainly used for the terminal filtration of air conditioning unit and the efficient preprotection. It has advantages of high efficiency, large air volume, convenient installation, low equipment operation cost.

Performance features

- Framework: plastic, galvanized sheet.
- Filter material: polypropylene filter paper, glass fiber filter paper.
- Segment material: thermosol.
- Sealant: polyurethane.



Technical parameter

Dimension(mm)	Filtration efficiency(%)	Primal resistance (Pa)	Rated air volume (m³/h)
592*592*292	F8	≤80	3400
592*287*592	F8	≤80	1700
592*592*292	F9	≤130	3400
592*287*592	F9	≤130	1700
592*592*292	H10	≤180	3400
592*287*592	H10	≤180	1700

Note: Some regular sizes listed here. Customized service preferred.

YTBS Series

Plate type filter

Product Description

YTBS series Plate type air filter is suitable for all kinds of clean ventilation systems' prefiltration, general ventilation requirements of the central air conditioning heat exchange units' protection filtration, all kinds of industrial clean workshop or civil constructions' return air filtration.

Performance features

- Framework: aluminum alloy, galvanized sheet.
- Filter material: synthetic fiber filter material, glass fiber filter material, activated carbon filter material.
- Filter material tiled or folded to corrugate shape.
- Low resistance, large dust holding capacity and easy to change.
- Water resistant board type filter can be repeated washed for many times.



Technical parameter

Dimension(mm)	Filtration efficiency(%)	Primal resistance (Pa)	Rated air volume (m³/h)
592*592*46	G3	≤50	3400
592*287*46	G3	≤50	1700
592*592*46	G4	≤60	3400
592*287*46	G4	≤60	1700
592*592*46	F5	≤100	3400
592*287*46	F5	≤100	1700

Note: Some regular sizes listed here. Customerized service preferred.

YTWG Series

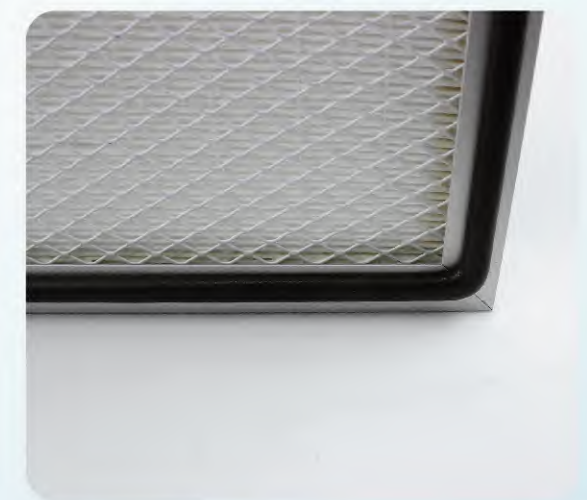
No partition HEPA filter

Product Description

YTWG series no partition high efficiency filter adopts ultra-fine glass fiber paper, thermosol as segment material, can be assembled with various kinds of frames. No partition high efficiency filter is suitable for high cleanliness grade plant, widely used in precision electronics, large scale of integrated circuit, medical, pharmacy, and other industries. Before delivery, all the products are got scan test one by one. The products have high efficiency, low resistance, light weight, small volume, easy installation, low operation cost advantages.

Performance features

- High quality glass fiber filter paper, stable performance.
- Double-sided plastic protection net.
- 100% scan test before delivery.
- Framework: aluminum alloy.
- Filter material: high quality glass fiber filter material.
- Segment material: thermosol.
- Sealing type: polyurethane sealing strip.



Technical parameter

Dimension(mm)	Filtration efficiency(%)	Primal resistance (Pa)	Rated air volume (m³/h)
305*610*90	H13、H14	≤220	350
610*610*50	H13、H14	≤220	700
484*484*90	H13、H14	≤220	900
610*610*90	H13、H14	≤220	1500
1220*610*90	H13、H14	≤220	3000

Note: Some regular sizes listed here. Customerized service preferred.

YTG Series

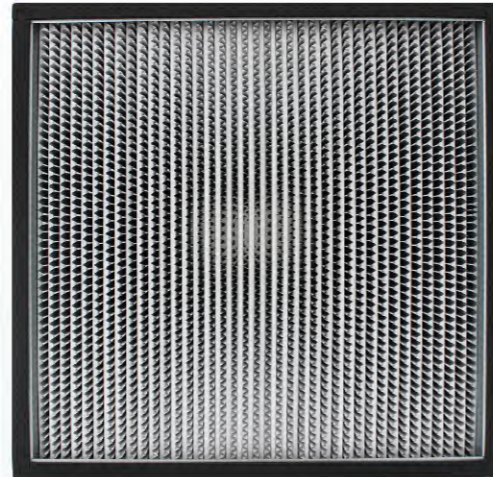
HEPA filter with partition

Product Description

YTG series high efficiency with partition filter is widely apply in air filtration of various cleanliness plant and partial purifying equipment. YTG series high efficiency filter passed functional test one by one.

Performance features

- High quality glass fiber filter paper, stable performance.
- Double-sided plastic protection net.
- 100% scan test before delivery.
- Framework: aluminum alloy.
- Filter material: high quality glass fiber filter material.
- Segment material: thermosol.
- Sealing type: polyurethane sealing strip.



Technical parameter

Dimension(mm)	Filtration efficiency(%)	Primal resistance (Pa)	Rated air volume (m ³ /h)
320*320*220	H13、H14	≤220	500
610*610*150	H13、H14	≤220	1000
484*484*220	H13、H14	≤220	1000
910*610*150	H13、H14	≤220	1500
630*630*220	H13、H14	≤220	1500
968*484*220	H13、H14	≤220	1500
1260*630*220	H13、H14	≤220	3000

Note: Some regular sizes listed here. Customerized service preferred.

YTYG Series

Gel Seal HEPA Filter

Product Description

YTYG series Gel Seal HEPA Filter includes upper and side groove seal two types. Mainly applying in air supply of high grade cleanliness plant, such as pharmacy, medical, food, electronic and other industries. Convenient installation, good seal performance.

Performance features

- Framework: aluminum alloy.
- Filter material: high quality glass fiber filter material.
- Segment material: thermosol.
- Sealing type: imported liquid groove sealant.
- The maximum working temperature: 80°C.



Technical parameter

Dimension(mm)	Filtration efficiency(%)	Primal resistance (Pa)	Rated air volume (m ³ /h)
400*400*90	H13、H14	≤220	500
550*550*90	H13、H14	≤220	1000
630*630*90	H13、H14	≤220	1500
400*400*90	H13、H14	≤220	500
550*550*90	H13、H14	≤220	1000
630*630*90	H13、H14	≤220	1500

Note: Some regular sizes listed here. Customerized service preferred.

YTFD Series

Pelletizer powder shaking bag

Product Description

YTFD series Pelletizer powder shaking bag is made of special anti-static fabric, this material will not balling-up, has no burrs. Mainly applied in Pelletizer accessories.



FAQ

1. How to name the filter cartridge?

A Choose the product short name, you can find it from the directory, such as YTNL Series—Nylon Pleated membrane, the product short name is YTNL.

B Choose the size of the product, the diameter and the length, or the length and height of square product, such as OD=φ68mm Length=10"

C Choose the filter accuracy, such as 0100 = 1.0μm.

D Choose the connection type, such as 2 = 222 type.

E Choose the sealing type, such as S=silicone o-ring.

So the product name you quote is YTNL-68-10"-0100-2-S. It contains most of the product information you need.