



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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SHIJIAZHUANG YITONG FILTER

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C 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**

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
	Seal ring material	Silicone rubber、Viton、EPDM、PTFE
Working situation	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 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"		

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	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"		

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
Working situation	Length	40inches (1016mm)
		60inches (1524mm)
	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"		

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℃, 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.

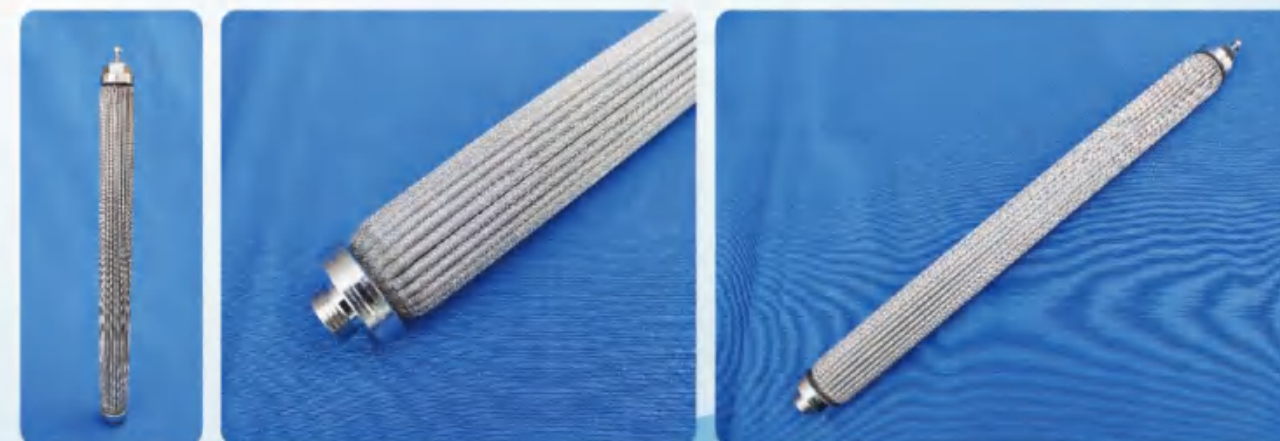
Washing procedure

- 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
	Connector	M20、M30、222、226 (or customerized)
Working situation	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
	DOE	
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, degerming, 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
	DOE	
Working situation	Working temperature	≤450℃

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)

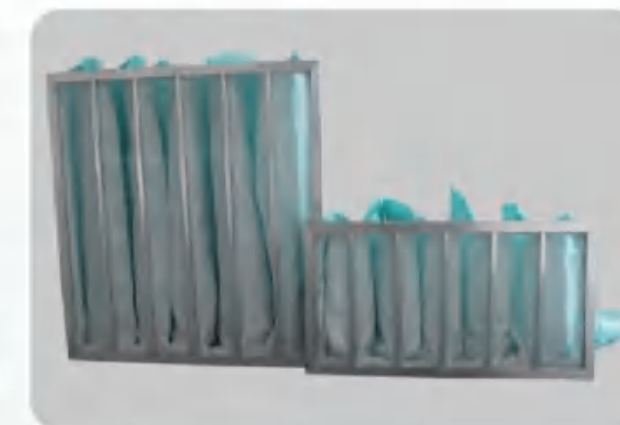


YTDS Series

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

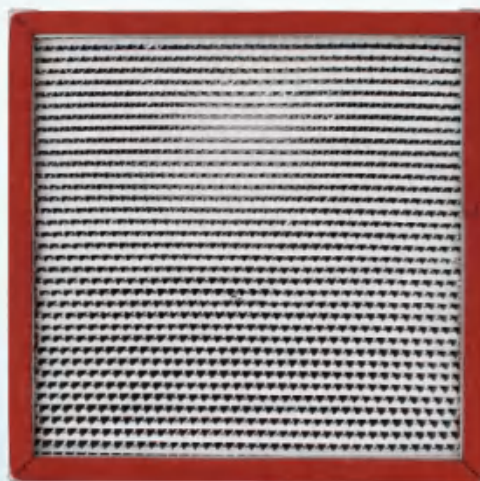
Heat resistance HEPA filter

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. YT 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 (m³/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 (m³/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.