Guangzhou Lingjie Air Purification Equipment Manufacturing Com.,Ltd.

About Us

Guangzhou Lingjie air purification equipment manufacturing Co., Ltd., referred to as Guangzhou Lingjie, is a professional air filters and purification equipments manufacturer, producing and saling "Lingjie" brand Coarse,medium,high efficiency air filters, air shower room, pass box, HEPA filter air outlet, FFU, laminar flow hood,clean bench, fresh air cabinet, central laboratory bench, bio-safety cabinet and other air purification equipments.

Over the years, we have established a good a long term relationship with our domestic and foreign customers based on their trust.Our customers are widely distributed in the bio pharmaceutical, medical, food, chemical, electronics, precision instruments, scientific research, teaching, aerospace, military and other industries. Our company has excellent talents, advanced production equipment, strict quality control system, strong production capacity.

Wishing have a long term cooperation with your esteemed company.

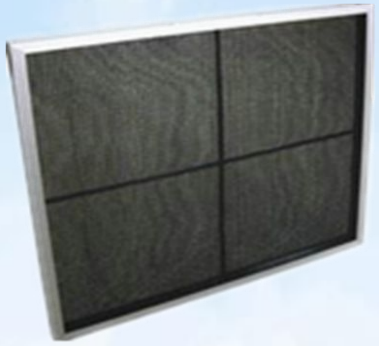
Catalogue

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

Nylon Mesh Pre-filter

Design features

1. Inner frame is made of galvanized iron wire,to ensure the strength of the filter;
2. The support surface with black paint handling, to prevent the wire frame due to long-term use rust which causes second pollution on the air conditioning system
3. The support double coated nylon mesh, can be repeatedly washed and re-used



Performance characteristics

1. Washable, long service life;
2. Large air flow, low pressure loss, high cost performance.

Application field

1. As a pre-filter in air conditioning and ventilation system;
2. As a pre-filter in filtration system;
3. As a pre-filter acidic gas or alkaline gas filter.

Materials and operating conditions

Frame Material	Al/Galvanized iron/Stainless steel
Filter Material	Nylon mesh
Support Net Material	**Galvanized iron wire**
Highest Temperature(℃)	80
Maximum Humidity(%)	100

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)
592*592*10	3200	0.7	<20
592*287*10	1600	0.34	
592*490*10	2600	0.58	
592*592*21	3200	0.7	
592*287*21	1600	0.34	
592*490*21	2600	0.58	

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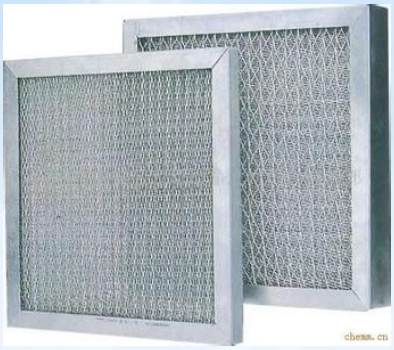
Metal Mesh Pre-filter

Design features

1. It is superpositioned by different specifications and aluminum mesh;
2. Multilayer aluminum mesh staggered arrangement, reduce the gap aluminum mesh, better filtering effect;
3. Stainless steel wire mesh filter can be used in acid, alkaline environment.



Performance characteristics

1. Washable, long service life;
2. Large air flow, low pressure loss, high cost performance.

Application field

1. As a pre-filter in air conditioning and ventilation system;
2. Used in the range hood ;
3. As a pre-filter acidic gas or alkaline gas filter.

Materials and operating conditions

Frame Material	Al/Galvanized iron/Stainless steel
Filter Material	**Al mesh/Stainless steel mesh**
Support Net Material	**Al mesh/Stainless steel mesh**
Highest Temperature(℃)	400
Maximum Humidity(%)	100

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)
592*592*21	3200	1. 05	<20
592*287*21	1600	0.51	
592*490*21	2600	0.87	
592*592*46	3200	3. 15	
592*287*46	1600	1. 53	
592*490*50	2600	3. 2	

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Folded Activated Carbon Filter

Design features

1. Galvanized iron wire mesh surface with anti rust treatment, can be well fixed folding shape structure;
2. The protection net and the filter outlet surface tightly pressed together, to prevent the filter material is blowing broken and deformation, to ensure that the surface of all materials are made full use;
3. Filter element is made of synthetic fiber with coconut shell activated carbon powder produced.

Performance characteristics

1. Light weight, small resistance;
2. Large specific surface area, strong adsorption capacity, good adsorption performance for low concentration odor of volatile gas.

Application field

1. Applicable to the low concentration of volatile gas contaminated sites, such as chemical plant;.;
2. Used to absorb the gas which are made of polar molecules and macromolecules regiment.

Materials and operating conditions

Frame Material	Galvanized iron/Al/Stainless steel
Filter Material	Coconut shell activated carbon fiber
Protective Net Material	Galvanized iron wire
Highest Temperature	80℃
Maximum Humidity	80%
Molecules can be adsorbed,for example	NH3. H2S, SO2. C6H6. C7H8, C2H5OH, C15H11O6. C40H56O3. (CH3) 2CHOOPF (CH3)
Adsorption efficiency	>70%

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Adsorption efficiency
592*592*21	1150	0.93	<40	>70%
592*490*21	1000	0.77	<40	>70%
592*287*21	600	047	<40	>70%
592*592*46	1250	0.97	<40	>70%
592*490*46	1100	0.86	<40	>70%
592*287*46	650	0.52	<40	>70%
Size can be non standard				

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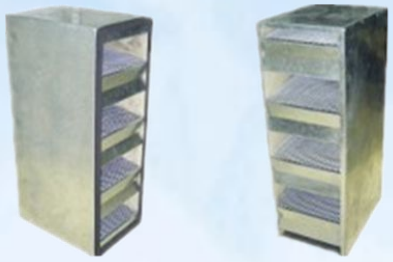
V-shaped Activated Carbon Filter

Design features

1. Assembled by a multi-piece carbon filter;Outer frame is made of ABS,Al or Galvanized iron, which provids a strong stuctrue;
2. Granular activated carbon is the adsorbent substrate, filled in a fixed frame. Each piece of black non-woven cover, is supported by Galvanized iron wire grid on both surface;
3. "V"-shaped structure provids more than 10 times area of plate structure;
4. High carbon content of activated carbon, greatly improve both in odor removal and service life.



Performance characteristics

1. Large air flow, easy to install;
2. Strong ability of absorbing the harmful gases in the air quickly;
3. Large specific surface area, high carbon content, long service life.

Application field

1. Apply to Central air conditioning, central ventilation system and all types of high pollution places.;
2. Used to absorb the gas which are made of polar molecules and macromolecules regiment.

Materials and operating conditions

Frame Material	ABS/Al/Galvanized iron wire/stainless steel
Filter Material	Coconut shell activated carbon
Protective Net Material	spray-paint diamond iron wire
Bead of sealant	EVA
Highest Temperature(℃)	80
Maximum Humidity(%)	80
molecules can be adsorbed,for example	H2O, NH3. H2S, SO2. C6H6. C7H8, C2H5OH, C15H11O6. C40H56O3. (CH3) 2CHOOPF (CH3)

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Activated Carbon Net Mass(kg)	Initial Resistance(Pa)	Odor Adsorption Efficiency
592*592*292-4V	3500	27.1	<200	95%
592*490*292-4V	2800	22. 2	<200	95%
592*287*292-4V	1800	13. 8	<200	95%
592*592*292-4V	4650	36.1	<200	95%
592*490*292-4V	3850	28.9	<200	95%
592*287*292-4V	2250	17.3	<200	95%
Size can be non standard				

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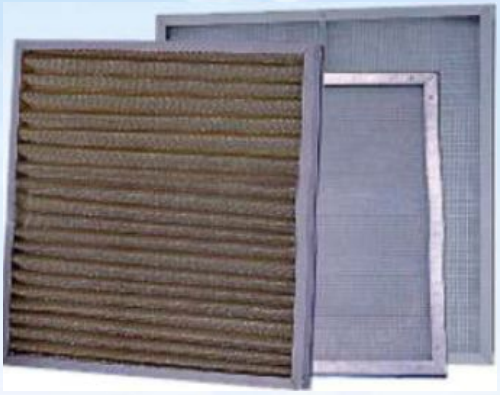
Heat Resistant Pre-Filter

Design features

1. Made from domestic or imported long glass fiber;
2. Long glass fiber,high strength, good elasticity, prevent the filter squeezing together from the strong airflow
3. Media spread on the filter, dual surface with metal net support;
4. The upper limit of the temperature: 400-450℃;
5. Filtration efficiency class: G4. F5 (En779).



Performance characteristics

1. Good corrosion resistance, good heat resistance, low moisture absorption;
2. High dust holding capacity, long service life, good flame retardant.

Application field

1. As the air pre filter of hot blast stove;
2. As a pre filter in other high temperature applications
3. As a acidic gas or alkaline gas filter.

Materials and operating conditions

Frame Material	Al/Galvanized iron wire/stainless steel
Filter Material	Synthetic fiber
Protective Net Material	Galvanized iron wire
Highest Temperature(℃)	400-450
Maximum Humidity(%)	100

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency
592*592*21	2400	0.9	<40	100-200	G3
592*490*21	2050	0.76	<40	100-200	G3
592*287*21	1200	0.44	<40	100-200	G3
592*592*46	2600	0.97	<40	100-200	G3
592*490*46	2150	0.8	<40	100-200	G3
592*287*46	1400	0.51	<40	100-200	G3
Size can be non standard					

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280 Degree Celsius Heat Resistant HEPA Filter

Design features

1. Mainly used for filtering particles larger than 0.3 microns, as the terminal filtration of air conditioning system;
2. High dust holding capacity,no-clapboard design, made of heat risistant ultra-fine glass fiber filter-paper, use aluminized paper as clapboard;
3. Aluminized paper clapboard can guarantee the same fold layer spacing, ensure the best airflow uniformity, the same fold layer spacing to make full use of the whole depth of filtering medium;
4. Filter surrounded by special heat resistant sealant sealing, to ensure the sealing performance of the filter;
5. Can be used in environment that temperature lower than 280℃ for long time;
7,Filtration efficiency class: H13. H14 (en779)

Performance characteristics

1. High efficiency, low resistance, large dust holding capacity;
2. Excellent humidity-resistant performance, can be used for a long time in the 280℃ environment.

Application field

Widely used in ultra clean hot air purification equipment and system of electronic, semiconductor, pharmaceutical, food and other production process.

Materials and operating conditions

Frame Material	Aluminum extrusions, Galvanized iron, stainless Frame
Filter Material	Humidity-resistant ultra-fine glass fiber filter paper
Partition	0.035mm Aluminized paper clapboard
Sealing adhesive	Red silica gel
Protective Net Material	Spray-paint diamond iron wire mesh
Bead of sealant	Red silica gel
Highest Temperature(℃)	280
Maximum Humidity(%)	80
Efficiency	H13:99.97-99.99%@0.3μm; H14:99.995-99.999%@0.3μm

Size and parameters

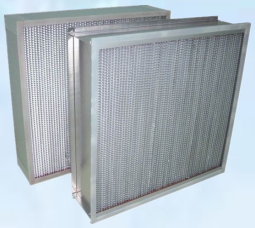
Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
320*320*150	250	2. 59	<200	400-600	H13
			<220		H14
484*484*150	600	6.0	<200	400-600	H13
			<220		H14
610*610*150	1000	9.59	<200	400-600	H13
			<220		H14
915*610*150	1500	14.38	<200	400-600	H13
			<220		H14
1170*570*150	1800	16.58	<200	400-600	H13
			<220		H14
1220*610*150	2000	19.17	<200	400-600	H13
			<220		H14
Size can be non standard					

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

400 Degree Celsius Heat Resistant HEPA Filter

Design features

1. Mainly used for filtering particles larger than 0.3 microns, as the terminal filtration of air conditioning system;
2. High dust holding capacity,no-clapboard design, made of heat risistant ultra-fine glass fiber filter-paper, use aluminized paper as clapboard;
3. Aluminized paper clapboard can guarantee the same fold layer spacing, ensure the best airflow uniformity, the same fold layer spacing to make full use of the whole depth of filtering medium;
4. Filter surrounded by special heat resistant sealant sealing, to ensure the sealing performance of the filter;
5. Can be used in environment that temperature lower than 400℃ for long time;
7,Filtration efficiency class: H13. H14 (en779)



Performance characteristics

1. High efficiency, low resistance, large dust holding capacity;
2. Excellent humidity-resistant performance, can be used for a long time in the 350-400℃ environment.

Application field

Widely used in ultra clean hot air purification equipment and system of electronic, semiconductor, pharmaceutical, food and other production process.

Materials and operating conditions

Frame Material	Aluminum extrusions, Galvanized iron, stainless Frame
Filter Material	Humidity-resistant ultra-fine glass fiber filter paper
Partition	0.035mm Aluminized paper clapboard
Sealing adhesive	Heat resistant ceramic adhesive
Protective Net Material	Spray-paint diamond iron wire mesh
Bead of sealant	5mm white Teflon tape
Highest Temperature(℃)	400
Maximum Humidity(%)	80
Efficiency	H13:99.97-99.99%@0.3μm; H14:99.995-99.999%@0.3μm

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
320*320*150	250	2. 59	<200	400-600	H13
			<220		H14
484*484*150	600	6.0	<200	400-600	H13
			<220		H14
610*610*150	1000	9.59	<200	400-600	H13
			<220		H14
915*610*150	1500	14.38	<200	400-600	H13
			<220		H14
1170*570*150	1800	16.58	<200	400-600	H13
			<220		H14
1220*610*150	2000	19.17	<200	400-600	H13
			<220		H14
Size can be non standard					

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Plate Pre-Filter

Design features

1. Outer frame is made of Al, which has excellent rust protection and corrosion resistance;
2. The protection net and the filter outlet surface tightly pressed together, to prevent the filter material is blowing broken and deformation, to ensure that the surface of all materials are made full use of;
3. If necessary, other kinds of materials can be selected;
5. The filtration efficiency class: G1. G2. G3. G4 (EN779)

Performance characteristics

1. Large filter area, long service life;
2. Large air flow, low pressure loss, high dust holding
3. Mainly used to filter dust particles larger than 2 μ m.

Application field

1. As a pre-filter in air conditioning and ventilation system;
2. As a pre filter in filtration system;
3. As a weak acidic gas or alkaline gas filter.

Materials and operating conditions

Frame Material	SUS316
Filter Material	Synthetic fiber
Protective Net Material	Galvanized iron wire
Highest Temperature(℃)	80
Maximum Humidity(%)	100

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency
592*592*21	2500	0.37	<40	150-250	G1. G2. G3. G4
592*490*21	1700	0.26	<40	150-250	G1. G2. G3. G4
592*287*21	1200	0.19	<40	150-250	G1. G2. G3. G4
592*592*10	2500	0.37	<40	150-250	G1. G2. G3. G4
592*490*10	1700	0.26	<40	150-250	G1. G2. G3. G4
592*287*10	1200	0.19	<40	150-250	G1. G2. G3. G4
Size can be non standard					

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Folded-type Pre-Filter

Design features

1. Outer frame is made of metal, which has excellent rust protection and corrosion resistance;
2. The protection net and the filter outlet surface tightly pressed together, to prevent the filter material is blowing broken and deformation, to ensure that the surface of all materials are made full use;
3. The gradual layer type structure provides the equivalent of 5 times the area of plate filter;
4. If necessary, other kinds of materials can be selected;
5. Filtration efficiency class: G1. G2. G3. G4 (EN779)

Performance characteristics

1. Large filter area, long service life;
2. Large air flow, low pressure loss, high dust holding.

Application field

1. As a pre-filter in air conditioning and ventilation system;
2. As a pre filter in filtration system;
3. As a weak acidic gas or alkaline gas filter.

Materials and operating conditions

Frame Material	Al/Galvanized iron/Stainless steel
Filter Material	Synthetic fiber
Supporting Materrial	**Galvanized iron wire**
Highest Temperature(℃)	80
Maximum Humidity(%)	100

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency
592*592*21	1300	0.48	<40	150-200	G1. G2. G3. G4
592*490*21	1100	0.4	<40	150-200	G1. G2. G3. G4
592*287*21	600	0.24	<40	150-200	G1. G2. G3. G4
592*592*46	2600	0.97	<40	150-200	G1. G2. G3. G4
592*490*46	2200	0.81	<40	150-200	G1. G2. G3. G4
592*287*46	1300	0.49	<40	150-200	G1. G2. G3. G4

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

Washable Pre-Filter

Design features

1. The frame adopts the detachable design, convenient to replace the filter so that the framework can be reused;stable structure, to ensure that the filter in the bad working environment will not be deformed or damaged;
2. Special reinforcement,makes the filter structure stronger. At the same time, uniform spacing and the strengthening rod to ensure that the heights of the filter folds are the same, so that the filter can achieve maximum dust holding capacity under the premise of the minimun resistance ;
3. The filter material is made from high quality polyester synthetic fiber,which can be repeated washing to reuse, with long service life, flexible and progressive fiber structure, ensure high cleaning rate and large dust holding capacity, and extend the life of the filter;
4. Filtration efficiency class: G1. G2. G3. G4 (EN779).

Performance characteristics

1. Convenient to replace, repeatable cleaning to use;
2. Large air flow, low pressure loss, long service life.

Application field

1. Ventilation and air conditioning system in offices, meeting rooms, hospitals, shopping malls, airports and other large civil building;
2. As the pre-filter in the ventilation and air conditioning system of ordinary industrial workshop or clean room.

Materials and operating conditions

Frame Material	Al/Galvanized iron wire/stainless steel
Filter Material	Synthetic fiber
Protective Net Material	Galvanized iron wire
Highest Temperature(℃)	80
Maximum Humidity(%)	100

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency
592*592*46	3600	0.82	<40	100-200	G1. G2. G3. G4
592*490*46	2700	0.7	<40	100-200	G1. G2. G3. G4
592*287*46	1200	0.44	<40	100-200	G1. G2. G3. G4
592*592*96	3600	1. 01	<40	100-200	G1. G2. G3. G4
592*490*96	3100	0.88	<40	100-200	G1. G2. G3. G4
592*287*96	1800	0.5	<40	100-200	G1. G2. G3. G4
Size can be non standard					

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Bag pre-filter filter

Design features

1. Bag fre-filter is mainly used to filter dust particles larger than 2 μ m,assembled of synthetic fiber non-woven bags and metal frame;
2. 3 side seal design to prevent leakage;
3. The filtration efficiency class : G3. G4 (EN779).

Performance characteristics

1. A large filtration area, high dust holding capacity;
2. Large Airflow, low pressure loss, long time validity;
3. Suitable for using in damp, high airflow and a large quantity of dust load environments.

Materials and operating conditions

Frame Material	Al/Galvanized iron/Stainless steel
Filter Material	Synthetic fiber
Supporting Materrial	**Galvanized iron wire**
Highest Temperature(℃)	80
Maximum Humidity(%)	100

Application field

1. Used in the ventilation and air conditioning system of office, conference room, hospital, gymnasium, airport and other large-scale civil building , and central ventilation system of industrial plant;
2. As a pre-filter in clean room ventilation and air conditioning system;

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Original Resistance(Pa)	Final Resistance(Pa)	Efficiency
287*592*381-3P	1400	1. 58	＜40	≈100-200	G3. G4
592*592*381-6P	2850	3. 18	＜40	≈100-200	G3. G4
592*592*600-6P	4500	5.01	＜40	≈100-200	G3. G4
592*592*600-8P	5800	6.44	＜40	≈100-200	G3. G4

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Box Pre-Filter

Design features

1. Filter element is made from synthetic fiber,outer frame is made of metal;
2. Box structure provides 10 times filtering area equivalent to the plate filters;
3. Filtration efficiency class: G1. G2. G3. G4 (en779)

Performance characteristics

1. Large filtering area, long service life;
2. Large air flow, low pressure loss, high dust holding.

Application field

1. As a pre-filter in air conditioning and ventilation system;
2. A a pre-filter in filtration system;
3. Used in the ventilation and air conditioning system of office, conference room, hospital, gymnasium, airport and other large-scale civil building , and central ventilation system of industrial plant.

Materials and operating conditions

Frame Material	Al/Galvanized iron wire/stainless steel
Filter Material	Synthetic fiber
Protective Net Material	Galvanized iron wire
Highest Temperature(℃)	80
Maximum Humidity(%)	100

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency
592*592*292	4800	4.46	<40	150-200	G1. G2. G3. G4
592*490*292	4100	3. 78	<40	150-200	G1. G2. G3. G4
592*287*292	2600	2. 4	<40	150-200	G1. G2. G3. G4
Size can be non standard					

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Synthetic Fiber Bag Medium Efficiency Filter

Design features

1. Bag Medium efficiency filter has its unique structure to ensure full flow evenly throughout the bag. The unique hot-melt technology can prevent the bags overcrowding or leakage .It reduces the resistance and to achieve maximum dust holding capacity;
2. "The bag support grid" ,which playing the role of Strengthening ,can prevent in contraction or bending under poor working conditions;
3. We provide GB and European standard bag filter for customers to choose, customers can select different filter media to ensure the effective operation of the system;
4. Filtration efficiency class: F5. F6. F7, F8, F9 (EN779).

Performance characteristics

1. A large filtration area, high dust holding capacity;
2. Large Airflow, low pressure loss, long time validity;
3. Suitable for using in damp, high airflow and a large quantity of dust load environments.

Application field

1. It is widely used in the pharmaceutical, automotive and food manufacturing industries, commercial buildings and industrial ventilation systems;
2. As a centralized intermediate filter of ventilation and air conditioning system in clean room ;
3. As a weak acidic gas or alkaline gas filter.

Materials and operating conditions

Frame Material	Al/Galvanized iron/Stainless steel
Filter Material	Synthetic fiber
Supporting Materrial	**Galvanized iron wire**
Highest Temperature(℃)	80
Maximum Humidity(%)	100

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Original Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
287*592*381-3P	1000	1. 58	<50	250-300	F5
			<65	250-300	F6
			<80	300-400	F7
			<100	300-400	F8
			<120	400-450	F9
592*592*381-6P	2050	3. 18	<50	250-300	F5
			<65	250-300	F6
			<80	300-400	F7
			<100	300-400	F8
			<120	400-450	F9
Size can be non standard					

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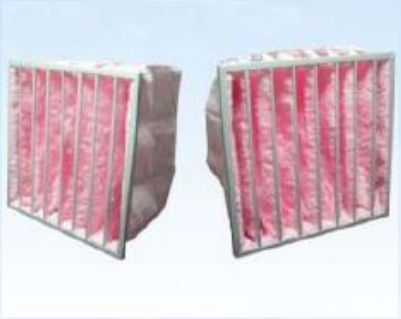
Glass Fiber Bag Medium Efficiency Filter

Design features

1. Medium efficiency bag filter has its unique structure to ensure full flow evenly throughout the bag;
2. Made from glass fiber produced in US company J.M.,ensure good use in filtering system;
3. Good flame retardant performance, reach UL-2 standard, is the ideal choice for fire prevention certification enterprises;
4. Filtration efficiency class : F5. F6. F7, F8, F9 (EN779).



Performance characteristics

1. A large filtration area, high dust holding capacity;
2. Large Airflow, low pressure loss, long time validity;
3. Suitable for using in where temperature is lower than 150℃.

Application field

1. Used in the filtration system of paint, ink, adhesive, resin dyes, oil products, cosmetics industries;
2. As a intermediate filter in central ventilation and air conditioning system of clean room.

Materials and operating conditions

Frame Material	Al/Galvanized iron/Stainless steel
Filter Material	Synthetic fiber
Supporting Materrial	**Galvanized iron wire**
Highest Temperature(℃)	150
Maximum Humidity(%)	100

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Original Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
287*592*381-3P	1000	1. 58	<50	250-300	F5
			<65	250-300	F6
			<80	300-400	F7
			<100	300-400	F8
592*592*381-6P	2050	3. 18	<50	250-300	F5
			<65	250-300	F6
			<80	300-400	F7
			<100	300-400	F8
Size can be non standard					

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

Clapboard-type HEPA filter

Design features

1. Mainly used for filtering particles larger than 0.3 microns, as the terminal filter of filtration system;
2. The filter is made of ultra-fine glass fiber filter paper, spaced by offset paper or aluminum foil;
3. The corrugated paper plate or aluminum foil plate for each fold paper equal intervals, air through easily, ensure effective utilization of filter and increase the strength of filter;
4. Both sides of filter medium is pressed a U shaped indentation,which can prevent the filter material damage, better than the V shaped indentation;
5. The filter is adopted by special sealant sealing, ensure good sealing;
6. Each filter are subject to stringent testing;
7,Filtration efficiency class: H13. H14 (EN779)

Performance characteristics

1. Large filtration area,good flow uniformity;
2. Large air flow, low pressure loss;
3. High dust capasity, long service life.

Application field

1. Widely used in electronics, semiconductor, precision machinery, pharmaceutical,hospitals, food industry etc.;
2. High grade cleaning equipment, cleaning system terminal filter components, partial purification equipment and clean workshop.

Materials and operating conditions

Frame Material	Al/Galvanized iron wire/stainless steel
Filter Material	Ultra-fine glass fiber filter paper
Partition	corrugated paper plate/aluminum foil plate
Bead of sealant	EVA
Sealing adhesive	Two component polyurethane
Highest Temperature(℃)	80
Maximum Humidity(%)	80

Size and parameters

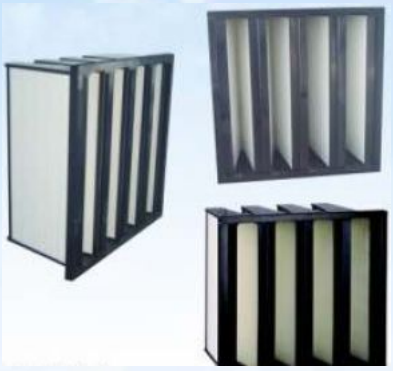
Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
320*320*220	500	4.08	<200	400-600	H13
			<220		H14
484*484*220	1000	9.46	<200	400-600	H13
			<220		H14
610*610*150	1000	9.59	<200	400-600	H13
			<220		H14
610*610*220	1500	15.1	<200	400-600	H13
			<220		H14
610*610*292	2200	21. 04	<200	400-600	H13
			<220		H14
1220*610*150	2000	19.17	<200	400-600	H13
			<220		H14
1220*610*220	3100	30.2	<200	400-600	H13
			<220		H14
Size can be non standard					

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

V-shaped Medium Efficiency Filter

Design features

1. Mainly used for filtering particles larger than 0.5 microns, as intermediate filtration of air conditioning system, designed for distributed to large volume in the low drag design;
2. High dust holding capacity, made of PP polypropylene meltblown fibers or ultra-fine glass fiber filter paper, the hot melt adhesive for Partition;
3. Hot melt adhesive can ensure the same fold layer spacing, ensure the best flow with minimal resistance, the same fold layer spacing makes full use of the entire depth of the filter;
4. Polythene plastic frame, can be used in incineration treatment, in order to reduce pollution;
5. External frame with flange edge, can be interchanged with the bag filter;
6. Filtration efficiency rating: F6. F7, F8, F9 (EN779)



Materials and operating conditions

Frame Material	ABS/Al/Galvanized iron wire/stainless steel
Filter Material	Ultra-fine glass fiber filter paper
Protective Net Material	Spray-paint diamond iron wire mesh
Partition	EVA hot melt adhesive
Sealing adhesive	Two component polyurethane
Highest Temperature(℃)	70
Maximum Humidity(%)	80

Performance characteristics

1. Large air flow, low pressure loss;
2. Light weight,easy to install;
3. Large filtration area, large dust capacity, long service life.

Application field

1. Apply to Central air conditioning, central ventilation system in industry and civil;
2. As a intermediate filter of centralized ventilation and air conditioning system in clean room;.

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
592*287*292-4V	1750	9.26	<60	250-300	F6
			<80	300-400	F7
			<100	300-400	F8
			<120	400-450	F9
592*592*292-4V	3800	20.04	<60	250-300	F6
			<80	300-400	F7
			<100	300-400	F8
			<120	400-450	F9
Size can be non standard					

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

No-clapboard HEPA Filter

Design features

1. Mainly used for filtering particles larger than 0.3 microns, as the terminal filtration of air conditioning system;
2. High dust holding capacity,no-clapboard design, made of ultra-fine glass fiber filter paper, use hot melt adhesive as Partition;
3. Hot melt adhesive can guarantee the same fold layer spacing, ensure the best airflow uniformity, the same fold layer spacing to make full use of the whole depth of filtering medium;
4. Filter surrounded by special sealant sealing, to ensure the sealing performance of the filter;
5. In the air inlet surface and air outlet surface of the filter mounted spray-paint iron wire mesh, in order to protect the filter paper is not damaged;
6. Filtration efficiency class: H13. H14 (en779)

Performance characteristics

1. Large filtering area, low pressure loss,airflow uniformity;
2. Large dust holding capacity, long service life;
3. Thin thickness, light weight.

Application field

1. Widely used in electronics, semiconductor, precision machinery, pharmaceutical,hospitals, food industry etc;
2. High grade cleaning equipment, cleaning system terminal filter components, partial purification equipment and clean workshop.

Materials and operating conditions

Frame Material	Al/Galvanized iron wire/stainless steel
Filter Material	Ultra-fine glass fiber filter paper
Partition	Hot melt adhesive
Sealing adhesive	Two component polyurethane
Protective Net Material	Spray-paint diamond iron wire mesh
Bead of sealant	EVA
Highest Temperature(℃)	70
Maximum Humidity(%)	80
Efficiency	H13:99.97-99.99%@0.3μm; H14:99.995-99.999%@0.3μm

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
320*320*96	500	4.52	<200	400-600	H13
			<220		H14
484*484*96	1000	10.24	<200	400-600	H13
			<220		H14
610*610*69	1000	10.37	<200	400-600	H13
			<220		H14
610*610*96	1500	16.2	<200	400-600	H13
			<220		H14
1170*570*69	2200	18.28	<200	400-600	H13
			<220		H14
1220*610*69	2000	20.41	<200	400-600	H13
			<220		H14
Size can be non standard					

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

Blade type HEPA filter

Design features

1. Mainly used for filtering particles larger than 0.3 microns, as the terminal filtration of air conditioning system;
2. High dust holding capacity,no-clapboard design, made of ultra-fine glass fiber filter paper, use hot melt adhesive as Partition;
3. Hot melt adhesive can guarantee the same fold layer spacing, ensure the best airflow uniformity, the same fold layer spacing to make full use of the whole depth of filtering medium;
4. The design of a knife edge in air-outlet-face, provides excellent sealing performance;
5. In the air inlet surface and air outlet surface of the filter mounted spray-paint iron wire mesh, in order to protect the filter paper is not damaged;
6. Filtration efficiency class: H13. H14 (en779)

Performance characteristics

1. High-efficiency, low-resistance, high dust holding;
2. Easy to install, good sealing.

Application field

1. Widely used in electronics, semiconductor, precision machinery, pharmaceutical,hospitals, food industry etc;
2. Applied to the terminal filtration of the clean workshop which supply vertical air flow.

Materials and operating conditions

Frame Material	Aluminum profile
Filter Material	Ultra-fine glass fiber filter paper
Partition	Hot melt adhesive
Sealing adhesive	Two component polyurethane
Protective Net Material	Spray-paint diamond iron wire mesh
Bead of sealant	EVA
Highest Temperature(℃)	70
Maximum Humidity(%)	80
Efficiency	H13:99.97-99.99%@0.3 μ m; H14:99.995-99.999%@0.3 μ m

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
320*320*110	400	4.16	<200	400-600	H13
			<220		H14
484*484*110	900	9.42	<200	400-600	H13
			<220		H14
610*610*110	1450	14.9	<200	400-600	H13
			<220		H14
915*610*110	2150	21. 22	<200	400-600	H13
			<220		H14
1220*610*110	2850	29.33	<200	400-600	H13
			<220		H14
Size can be non standard					

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

V-shaped HEPA Filter

Design features

1. As the terminal filter for air conditioning systems, mainly used to filter dust particles larger than 0.3 um, especially designed for the big air volume demand under the low resistance.
2. High dust holding and non-diaphragm design; The filter material is made of ultra-fine glass fiber filter paper, separated by hot melt adhesive.
3. Thermoplastic rubber insulation to make sure the same Plait layer spacing, the best air-flow with the lowest resistance, high dust holding and make full use of all the filter material.
4. High Air Volume: compared with the normal HEPA filter, we use less filters at the same air volume condition to reduce cost, occupation area and installing time.
5. With metal Frame, there are two kinds: with flange or without. We will produce accoding to your requirements.
6. Each filter must go through rigorous testing.
7. The level of the filter efficiency: H13-H14(EN 1882).

Performance characteristics

1. High-efficiency, large filtering area, long lifespan; 2. Large air flow, low-resistance, low running cost.

Application field

Used in the terminal filtration of air conditioning system and air clean equipment needs large air flow.

Materials and operating conditions

Frame Material	Aluminum profile
Filter Material	Ultra-fine glass fiber filter paper
Partition	Hot melt adhesive
Sealing adhesive	Two component polyurethane
Bead of sealant	EVA
Highest Temperature(℃)	70
Maximum Humidity(%)	80
Efficiency	H13:99.97-99.99%@0.3 μ m; H14:99.995-99.999%@0.3 μ m

Size and parameters

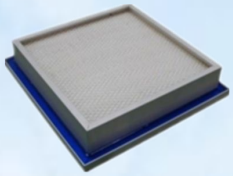
Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
287*287*292-2V	700	4.45	<200	400-600	H13
			<220		H14
592*592*592-3V	2050	16.43	<200	400-600	H13
			<220		H14
592*592*292-4V	2700	21. 91	<200	400-600	H13
			<220		H14
592*287*292-5V	1700	13. 63	<200	400-600	H13
			<220		H14
610*610*292-5V	3550	28.2	<200	400-600	H13
			<220		H14
Size can be non standard					

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

Liquid Groove Sealed HEPA Filter

Design features

1. As the terminal filter for various filtration systems, mainly used to filter dust particles larger than 0.3 um.
2. In order to save the running cost, we use non-diaphragm Thermoplastic rubber insulation to make sure the same Plait layer spacing, the best air-flow, high dust holding and make full use of all the filter material.
3. Around the filter is evenly sealed by special sealing agent to make sure the good sealing.
4. Equipped with spray-paint protect mesh on the air-in and air-out surface of the filter to protect the filter paper from damaged.
5. Put sealant into the inner side of the flange which is on the wind-out side, to improve the sealing performance greatly.
6. The sealant is non-Newtonian Liquid, with non-volatile, Anti-oil, Anti-erode, good flame retardant, Stable electric insulation and Avirulent Insipidity.
7. Each filter must go through rigorous testing.
8. The level of the filter efficiency: H13-H14(EN 1882).



Performance characteristics

1. High-efficiency, low-resistance, high dust holding; 2. Easy to install, good sealing.

Application field

Applied to the terminal filtration of the clean workshop which supply vertical air flow.

Materials and operating conditions

Frame Material	Aluminum profile
Filter Material	Ultra-fine glass fiber filter paper
Partition	Hot melt adhesive
Sealing adhesive	Two component polyurethane
Protective Net Material	Spray-paint diamond iron wire mesh
Bead of sealant	EVA
Highest Temperature(℃)	70
Maximum Humidity(%)	80
Efficiency	H13:99.97-99.99%@0.3 μ m; H14:99.995-99.999%@0.3 μ m

Size and parameters

Outline Size/W*H*D（mm）	Air-in Surface Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
346*346*90	320*320	400	4.16	<200	400-600	H13
				<220		H14
510*510*90	484*484	900	9.42	<200	400-600	H13
				<220		H14
630*630*90	610*610	1450	14.9	<200	400-600	H13
				<220		H14
941*636*90	915*610	2150	21. 22	<200	400-600	H13
				<220		H14
1246*636*90	1220*610	2850	29.33	<200	400-600	H13
				<220		H14
Size can be non standard						

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

DOP Integrated HEPA Filter

Design features

1. As the terminal filter for various filtration systems, mainly used to filter dust particles larger than 0.3 um.
2. The frame is made of Aluminum folding frame and Galvanized iron frame, and it's light weight makes it very easy to deliver and install. Used in clean room which is aluminum alloy keel form.
3. Closed structure makes no gap and no leaking inside.
4. There is a volume damper under the air inlet, which play a good role in recoil and flow because of adjusting the position even against wind.
5. The filter is made by 2 pieces of Filter Media, with special block fixed in the middle. With DOP Test port in the air-out side block, sealed by rubber plug to make sure Standard Test Conditions.
6. Outside the box covered with PEF insulation cotton to make Insulation.
7. Especially applicable for clean room which is restricted by the building height or must be compact design, is greatly space-saving.
8. Every filter must pass rigorous testing.
9. The Filtration efficiency class: H13-H14(EN 1882).

Materials and operating conditions

Frame Material	Aluminum folding, Galvanized iron, stainless Frame
Filter Material	Ultra-fine glass fiber filter paper
Partition	Hot melt adhesive
Sealing adhesive	Two component polyurethane
Protective Net Material	Spray-paint diamond iron wire mesh
Bead of sealant	EVA
Highest Temperature(℃)	70
Maximum Humidity(%)	80
Efficiency	H13:99.97-99.99%@0.3μm; H14:99.995-99.999%@0.3μm

Performance characteristics

1. Good ventilation, nice appearance, easy to install and change, good sealing;
2. Large air flow, low resistance, light-weight, thickness and high efficiency.

Application field

Widely used in various working place with high cleanliness requirements such as: operating room,laboratory,pharmacy,micro-electronics,film,fiber plant and food processing plants.

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
610*610*120	1000	11. 32	<200	400-600	H13
			<220		H14
915*610*120	1500	16.71	<200	400-600	H13
			<220		H14
1170*570*120	1800	19.79	<200	400-600	H13
			<220		H14
610*610*150	1250	21. 22	<200	400-600	H13
			<220		H14
915*610*150	1900	29.33	<200	400-600	H13
			<220		H14
1170*570*150	2200	24.74	<200	400-600	H13
			<220		H14

Size can be non standard

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

Disposable DOP Integrated HEPA filter

Design features

1. As the terminal filter for various filtration systems, mainly used to filter dust particles larger than 0.3 um.
2. High dust holding capacity, no clapboard. The filter material is made of ultra-fine glass fiber filter paper, separated by HMA.
3. Thermoplastic rubber insulation to make sure the same Plait layer spacing, the best air-flow with the lowest resistance, high dust holding and make full use of all the filter material.
4. Closed structure makes no gap and no leaking inside.
5. The outer frame is consists of the processed aluminum frame, and it's light weight makes it very easy to deliver and install.
6. With air-in adapter tube, the diameter of the tube can be 250, 300,350.
7. Filter is connected by circular duct, ventilating uniformly after passing diffuser plate.
8. Outside the box covered with PEF insulation cotton to make insulation.
9. Each filter must go through rigorous testing.
10. Filtration efficiency class: H13-H14(EN 1882).

Performance characteristics

1. High-efficiency,large filtering area,long life span;
2. Large air flow low resistance, low running cost.

Application field

Widely used in various working place with high cleanliness requirements such as: operating room,laboratory,pharmacy,micro-electronics,film,fiber plant and food processing plants.

Materials and operating conditions

Frame Material	Aluminum folding, Galvanized iron, stainless Frame
Filter Material	Ultra-fine glass fiber filter paper
Partition	EVA hot melt adhesive
Sealing adhesive	Two component polyurethane
Protective Net Material	Spray-paint diamond iron wire mesh
Bead of sealant	EVA
Highest Temperature(℃)	70
Maximum Humidity(%)	80
Efficiency	H13:99.97-99.99%@0.3μm; H14:99.995-99.999%@0.3μm

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
610*610*120	1000	11. 32	<200	400-600	H13
			<220		H14
915*610*120	1500	16.71	<200	400-600	H13
			<220		H14
1170*570*120	1800	19.79	<200	400-600	H13
			<220		H14
610*610*150	1250	21. 22	<200	400-600	H13
			<220		H14
915*610*150	1900	29.33	<200	400-600	H13
			<220		H14
1170*570*150	2200	24.74	<200	400-600	H13
			<220		H14

Size can be non standard

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

Replaceable Integrated HEPA Filter

Design features

1. As the terminal filter for various filtration systems, mainly used to filter dust particles larger than 0.3 um.
2. With anodizing aluminum box, light weight makes it very easy to deliver and install. Used in clean room which is aluminum alloy keel form.
3. With air-in adapter tube, the diameter of the tube can be 250, 300,350.
4. It is split type between HEPA filter and plenum chamber, so we can equip a regulating valve at the air-in entry of Plenum chamber to adjust the air distribution uniformity and static pressure effect.
5. With the replaceable design, there is no need to replace the box, which can reduce the cost and save resource.
6. The special tool-free filter fixed-film, directly from the interior to replace filters, quick installation and convenient replacement.
7. The 4 hanging piece on the cover is used in Ceiling installation.
8. Especially applicable for clean room which is restricted by the civil height or must be compact design, is greatly space-saving.
9. Filtration efficiency class: H13-H14(EN 1882).

Materials and operating conditions

Frame Material	Aluminum folding, Galvanized iron, stainless Frame
Filter Material	Ultra-fine glass fiber filter paper
Partition	EVA hot melt adhesive
Sealing adhesive	Two component polyurethane
Protective Net Material	Spray-paint diamond iron wire mesh
Bead of sealant	EVA
Highest Temperature(℃)	70
Maximum Humidity(%)	80
Efficiency	H13:99.97-99.99%@0.3μm; H14:99.995-99.999%@0.3μm

Performance characteristics

1. Good ventilation,nice appearance,easy to install and change,simple to maintain.
2. Large air flow,low resistance,light-weight,thickness and high efficiency,low running cost.

Application field

Widely used in various working place with high cleanliness requirements such as: operating room,laboratory,pharmacy,micro-electronics,film,fiber plant and food processing plants.

Size and parameters

Outline Size/W*H*D（mm）	Filter Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
360*360*180	320*320*69	250	2. 89	<200	400-600	H13
				<220		H14
524*524*180	484*484*69	600	6.55	<200	400-600	H13
				<220		H14
650*650*180	610*610*69	1000	10.37	<200	400-600	H13
				<220		H14
955*650*180	915*610*69	1500	15.39	<200	400-600	H13
				<220		H14
1210*610*180	1170*570*69	1800	18.28	<200	400-600	H13
				<220		H14
1260*650*180	1220*610*69	2000	20.41	<200	400-600	H13
				<220		H14

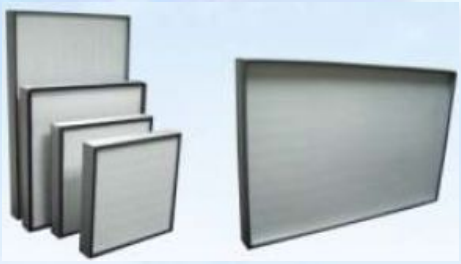
Size can be non standard

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

Humidity Resistant No-clapboard HEPA Filter

Design features

1. Mainly used for filtering particles larger than 0.3 microns, as the terminal filtration of air conditioning system;
2. High dust holding capacity,no-clapboard design, made of humidity- risistant ultra-fine glass fiber filter paper, use hot melt adhesive as Partition;
3. EVA hot melt adhesive can guarantee the same fold layer spacing, ensure the best airflow uniformity, the same fold layer spacing to make full use of the whole depth of filtering medium;
4. Filter surrounded by special sealant sealing, to ensure the sealing performance of the filter;
5. On the air-in surface and air-out surface of the filter mounted spray-paint iron wire mesh, in order to protect the filter paper is not damaged;
6. This kind of filter adapt to 100% humidity environment;
7. Filtration efficiency class: H13. H14 (en779)



Materials and operating conditions

Frame Material	Aluminum extrusions, Galvanized iron, stainless Frame
Filter Material	Humidity-resistant ultra-fine glass fiber filter paper
Partition	EVA hot melt adhesive
Sealing adhesive	Two component polyurethane
Protective Net Material	Spray-paint diamond iron wire mesh
Bead of sealant	EVA
Highest Temperature(℃)	70
Maximum Humidity(%)	100
Efficiency	H13:99.97-99.99%@0.3μm; H14:99.995-99.999%@0.3μm

Performance characteristics

1. High efficiency, low resistance, large dust holding capacity;
2. Excellent humidity-resistant performance, can be used for a long time in the 100% humidity environment.

Application field

Commonly used in the normal temperature and pressure,high humidity environments, especially in high humidity environment medicine infusion production workshop etc.

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
320*320*50	200	1. 59	<200	400-600	H13
			<220		H14
484*484*50	450	4.51	<200	400-600	H13
			<220		H14
610*610*50	700	7.13	<200	400-600	H13
			<220		H14
915*610*50	1000	10.58	<200	400-600	H13
			<220		H14
1170*570*50	1200	12. 57	<200	400-600	H13
			<220		H14
1220*610*50	1350	14.04	<200	400-600	H13
			<220		H14
Size can be non standard					

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

Humidity Resistant Clapboard HEPA Filter

Design features

1. Mainly used for filtering particles larger than 0.3 microns, as the terminal filtration of air conditioning system;
2. High dust holding capacity,no-clapboard design, made of humidity- risistant ultra-fine glass fiber filter paper, use aluminized paper as partition;
3. Aluminized paper clapboard can guarantee the same fold layer spacing, ensure the best airflow uniformity, the same fold layer spacing to make full use of the whole depth of filtering medium;
4. Filter surrounded by special sealant sealing, to ensure the sealing performance of the filter;
5. On the air-in surface and air-out surface of the filter mounted spray-paint iron wire mesh, in order to protect the filter paper is not damaged;
6. This kind of filter adapt to 100% humidity environment;
7. Filtration efficiency class: H13. H14 (en779)

Performance characteristics

1. High efficiency, low resistance, large dust holding capacity;
2. Excellent humidity-resistant performance, can be used for a long time in the 100% humidity environment.

Application field

Commonly used in the normal temperature and pressure,high humidity environments, especially in high humidity environment medicine infusion production workshop etc.

Materials and operating conditions

Frame Material	Aluminum extrusions, Galvanized iron, stainless Frame
Filter Material	Humidity-resistant ultra-fine glass fiber filter paper
Partition	0.035mm Aluminized paper clapboard
Sealing adhesive	Two component polyurethane
Protective Net Material	Spray-paint diamond iron wire mesh
Bead of sealant	EVA
Highest Temperature(℃)	70
Maximum Humidity(%)	100
Efficiency	H13:99.97-99.99%@0.3μm; H14:99.995-99.999%@0.3μm

Size and parameters

Size/W*H*D（mm）	Rated Air Flow(m3/h)	Filtration area(m2)	Initial Resistance(Pa)	Final Resistance(Pa)	Efficiency Class
320*320*150	250	2. 59	<200	400-600	H13
			<220		H14
484*484*150	600	6.0	<200	400-600	H13
			<220		H14
610*610*150	1000	9.59	<200	400-600	H13
			<220		H14
915*610*150	1500	14.38	<200	400-600	H13
			<220		H14
1170*570*150	1800	16.58	<200	400-600	H13
			<220		H14
1220*610*150	2000	19.17	<200	400-600	H13
			<220		H14
Size can be non standard					

Sales Manager:Manson Lee, Tel:+86-15914315027, E-mail:Manson_lee2013@163. com

HEPA Filter Air-outlet

performance haracteristics

1. Designed according to the latest technology in Japan and Europe, which ensure uniform airflow distribution, simple structure, the shell is made of paint cold-rolled steel sheet or stainless steel sheet.
2. The new technology can ensure reliable sealing performance, effectively reduce the leakage rate.
3. The air inlet mode can be top-in or side-in .
4. The flange can be square or circular.
5. Optional insulation cotton.

Application field

1. HEPA filter air-outlet as terminal purification equipment, is widely used in clean room from grade 300000 to grade 10 to.
2. As a kind of terminal high filtration efficiency equipments, HEPA filter air-outlet is widely used in biological, pharmaceutical, hospitals, electronics, cosmetics, precision instruments, aerospace area.

Specifications and parameters

Model	LJHO-320W	LJHO-484W	LJHO610W	LJHO-320	LJHO-484	LJHO610
Installed size(W*H*D,mm)	370*370*370	545*545*370	670*670*370	370*370*500	545*545*500	670*670*500
Filter size(W*H*D,mm)	320*320*96	484*484*96	610*610*96	320*320*220	484*484*220	610*610*220
Rated flow(cmh)	500	1000	1500	500	1000	1500
Flange size	200*200	320*200	400*200	200*200	320*200	400*200
Filter efficiency	99.99%@0.3μm					
Initial Resistance(Pa)	≤220Pa	≤220Pa	≤220Pa	≤220Pa	≤220Pa	≤220Pa
Air-inlet mode	top-in or side-in					
Shell material	1. 0mm spray-paint cold-rolled plate or stainless steel					
Diffusion plate material	1. 0mm spray-paint cold-rolled plate or stainless steel					
This product can be designed and manufactured nonstandard						

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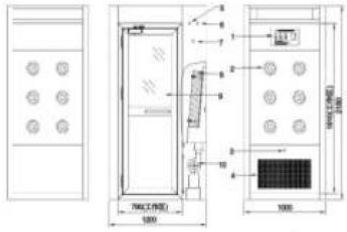
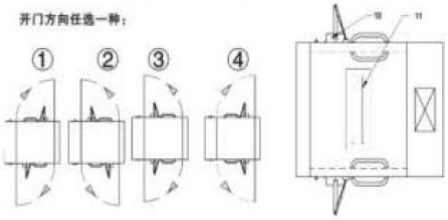
Intelligent Voice Bilateral Air Shower



Automatic door closer

Air nozzle



Direction of door opening

LJ-AAS-1200-1

Graphic illustration

1. The circuit control board;
2. Stainless steel nozzle;
3. Infrared sensors;
4. Pre-filter;
5. Power indicator;
6. Work indicating lamp;
7. Emergency stop switch;
8. HEPA filter;
9. Door (Electronic interlocking) ;
10. Fan(380V,50Hz,0.75W);
11. Embedded lamp;
12. Automatic door closer

performance haracteristics

1. Automation control: using PLC intelligent control panel, the air shower running state real-time-display in the LCD display;
2. Humanized operation: humanized display panel, clear work indicating lamp group, give the user a clear instruction of air showering process;
3. High cleanliness, high wind speed.

Specifications and parameters

Model	LJ-AAS-1200-1	LJ-AAS-1200-2
Outline size(W*D*H,mm)	1200*1000*2180	1200*2000*2180
Work area size(W*D*H,mm)	800*930*1910	800*1930*910
Galleryful	1-2	2-4
Wind speed(m/s)	25-30	25-30
Number of nozzles	12	24
HEPA filter	size:610*610*80 efficiency:99.99%@0.3μm air flow:1000 cmh resistance:<220Pa	size:610*610*80 efficiency:99.99%@0.3μm air flow:1000 cmh resistance:<220Pa
Pre-filter	size:785*385*21 efficiency:G3 air flow:1000 cmh resistance:<30Pa	size:785*385*21 efficiency:G3 air flow:1000 cmh resistance:<30Pa
Fan speed(r/min)	2800	2800
Fan power	0.75kW	0.75kW*2
Power Parameters	380V,50Hz	380V,50Hz
Noise grade(dB)	<62	<62
Body material	1. 0-1. 5mm spray-paint cold-rolled plate or stainless steel	
This product can be designed and manufactured nonstandard		

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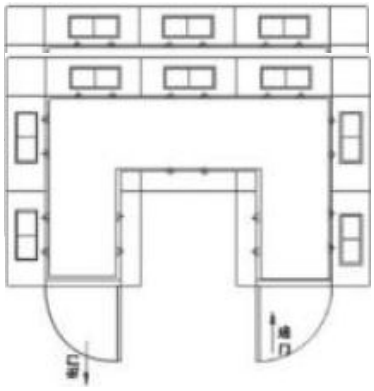
Special Shaped Air Shower

T-type three door air shower

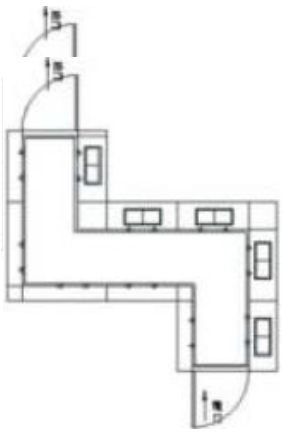
L-type air shower channel

Linear air shower channel

S-type air shower channel



U-type air shower plan sketch



Z-type air shower plan sketch

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Pass Box

Application field

Pass box is mainly used for small items passing between two clean areas of different cleanliness grade, or the unclean area and the clean area, in order to reduce the number of the door-opening of clean room, to maintain the positive pressure of clean room, make pollution to the minimum level.

Product types

1. Electronic interlocking pass box;
2. Mechanical interlocking pass box;
3. Floor type pass box;
4. Ultraviolet sterilization pass box;
5. Ozone sterilization pass box;
6. Talkback pass box.

performance haracteristics

1. The inwall is made of stainless steel, smooth wear-resistant, and the shell is made of spray-paint cold-rolled plate or stainless steel;
2. The two doors installed mechanical interlocker or electronic interlocker, so they can not be opened at the same time;
3. Both sides affixed with the seal, can ensure the tightness.

Specifications and parameters

Model	LJ-500	LJ-600	LJ-750
Outline size(W*D*H,mm)	680*500*590	780*600*690	930*750*840
Work area size(W*D*H,mm)	500*500*500	600*600*600	750*750*750
Shell material	1. 0mm-1. 2mm spray-paint cold-rolled plate or stainless steel		
Inwall material	1. 0mm-1. 2mm stainless steel		
Power Supply	220V,50Hz		
Optional accessories	1. electronic interlocker; 2. Mechanical interlocker; 3. UV germicidal lamp		
This product can be designed and manufactured nonstandard			

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Pass Box With Air Shower

Application field

Pass box with air shower is mainly used for small items passing between two clean areas of different cleanliness grade, or the unclean area and the clean area, in order to reduce the number of the door-opening of clean room, to maintain the positive pressure of clean room, make pollution to the minimum level.

performance haracteristics

1. The pass box in fact is a small air shower, which can clean the things putted into it when being passed;
2. The inwall is made of stainless steel, smooth wear-resistant, and the shell is made of spray-paint cold-rolled plate or stainless steel;
3. The two doors installed mechanical interlocker or electronic interlocker, so they can not be opened at the same time;
3. Both sides affixed with the seal, can ensure the tightness.

Specifications and parameters

Model		LJ-ASPB-600	LJ-ASPB-750	LJ-ASPB-800
Outline size(W*D*H,mm)		940*600*1450	1090*750*1500	1140*800*1550
Work area size(W*D*H,mm)		600*600*600	750*750*750	800*800*800
Materia	Shell	spray-paint cold-rolled plate or stainless steel		
	Inwall	stainless steel		
Wind speed(m/s)		22-27	22-27	22-27
Number of nozzles		4	4	4
HEPA filter		size:610*610*120 efficiency:99.99%@0.3 μ m	size:610*610*120 efficiency:99.99%@0.3 μ m	size:610*610*120 efficiency:99.99%@0.3 μ m
Pre-filter		size:570*290*17	size:745*290*17	size:795*290*17
Fan speed(r/min)		2800	2800	2800
Fan power		0.75kW	0.75kW	0.75kW
Power parameters		3N,380V,50Hz	3N,380V,50Hz	3N,380V,50Hz
Noise grade(dB)		<62	<62	<62
This product can be designed and manufactured nonstandard				

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Fan Filter Unit

Application field

1. Widely used in clean room, clean bench, clean production, the assembly type clean room, and partial purification.
2. Suitable for electronic, semiconductor, flat panel display, disk drives and optical factories, and places requiring strict controling of air pollution such as biological industry factories.

performance haracteristics

The direct-drive type high efficient centrifugal fan,which is used as the fan of this product, has the excelent Performance characteristics such as long life, low noise, maintenance free, and small vibration;it is a variable-speed fan,with reliable quality, whose serving life up to 50000 hours

Specifications and parameters

Model		LJFFU-575	LJFFU-920	LJFFU-1175	LJFFU-1225
Outline size(W*D*H)		575*575*350	920*615*350	1175*575*350	1225*615*350
Wind speed(m/s)		0.45±0.09			
Noise grade(dB)		<52			
Rated air flow(cmh)		500	800	1000	1200
HEPA filter	Size(mm)	570*570*69	915*610*69	1170*570*69	1220*610*69
	Efficiency	≥99.99%@0.3μm			
Power paramter		AC1N,220V,50Hz,120W	AC1N,220V,50Hz,123W	AC1N,220V,50Hz,123W	AC1N,220V,50Hz,172W
External pressure(Pa)		50-130			
Amplitude(μm)		≤4			
Material of box		Al/Aluminium zinc plate/Stainless steel/Cold-rolled plate			
This product can be designed and manufactured nonstandard					

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Horizontal Flow Clean Bench

performance haracteristics

1. The use of ultra-thin no-clapboard HEPA filter, makes the size of static pressure box be reduced to a minimum;
2. The use of stainless steel and glass side baffle plate, makes the whole work area be spacious and bright;
3. The use of adjustable air blower system, makes the work area keep in idea-speed-state.

Application field

1. Horizontal flow clean bench is a kind of local purification device, widely used in electronics, defense, precision instruments, meters, pharmaceutical, medical, semiconductor manufacturing field;
2. Horizontal flow clean bench can form a production line by multiple connecting, can also be a single use, and has the advantages of high cleanness grade, mobile, flexible.

Specifications and parameters

Model	LJHCB-960	LJHCB-1200	LJHCB-1500
Outline size(W*D*H)	960*780*1580	1200*820*1580	1500*900*1580
Working area size(W*D*H)	930*600*650	1170*600*650	1470*600*650
Cleaness grade	ISO5(《ISO/DIS 14644-1》)		
Rated air flow(cmh)	1200	1800	2300
Average wind speed(m/s)	0.45±0.15		
Filter efficiency	＞99.99%@0.3μm,H13-H14		
Illuminance	≥300lx		
Noise grade(dB)	≤62		
Power paramter	AC1N,220V,50Hz,280W	AC1N,220V,50Hz,300W	AC1N,220V,50Hz,560W
Fluorescent lamp	20W*1	30W*1	40W*1
Amplitude(μm)	≤4		
Material of box	Body:Spray-pait cold rolled steel plate or stainless steel;Table-board:Stailess steel		
This product can be designed and manufactured nonstandard			

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Vertical Flow Dlean Bench

performance haracteristics

1. The use of ultra-thin no-clapboard HEPA filter, makes the size of static pressure box be reduced to a minimum;
2. The direct drive high efficiency centrifugal fan installed in the clean bench, has the advantages of long service life, low noise, maintenance free, small vibration etc.;
3. The use of adjustable air blower system, makes the work area keep in idea-speed-state.

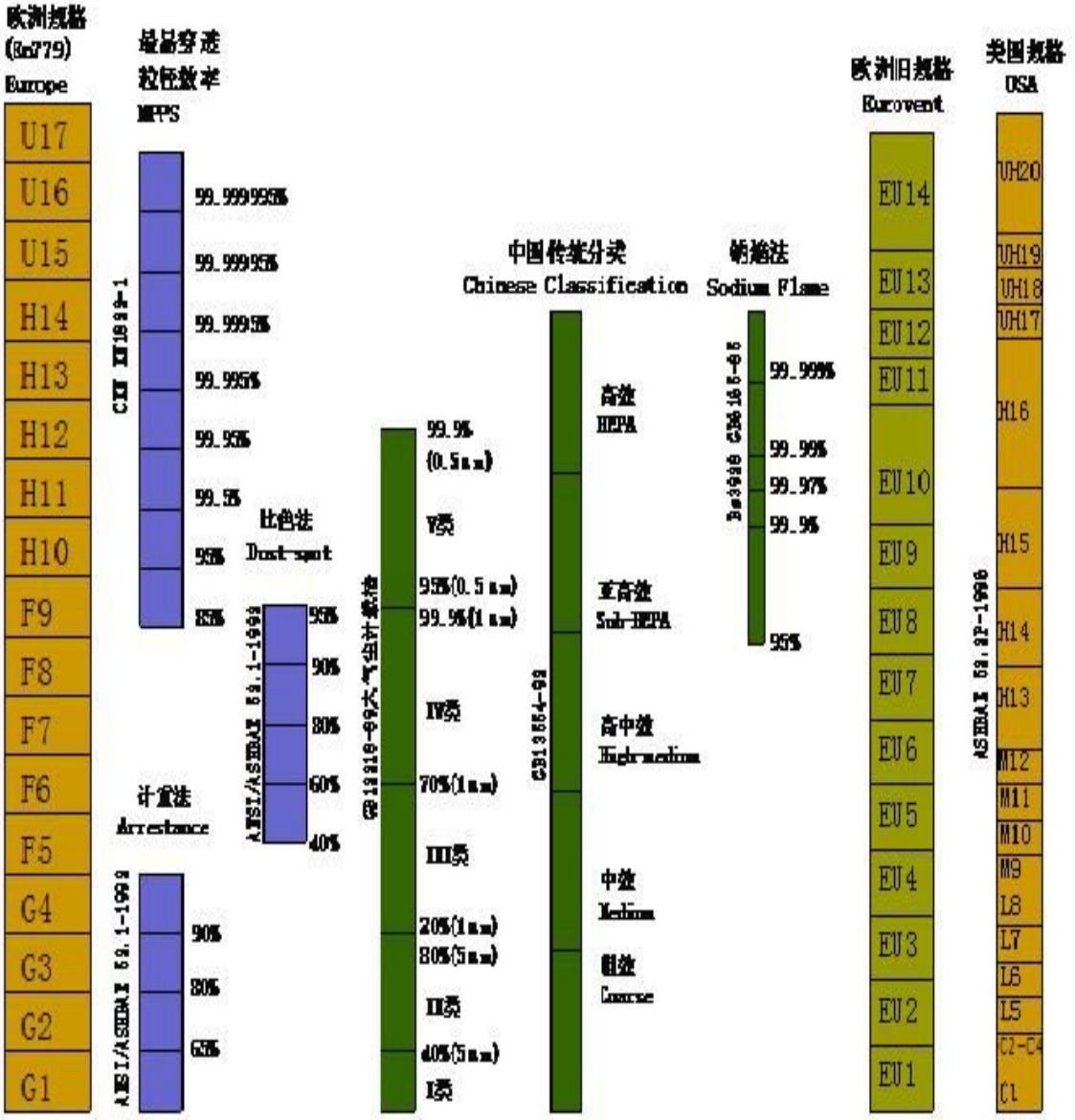
Application field

1. Vertical flow clean bench is a kind of local purification device, widely used in electronics, defense, precision instruments, meters, pharmaceutical, medical, semiconductor manufacturing field;
2. Vertical flow clean bench can form a production line by multiple connecting, can also be a single use, and has the advantages of high cleanness grade, mobile, flexible.

Specifications and parameters

Model	LJVCB-960	LJVCB-1200	LJVCB-1500
Outline size(W*D*H)	1000*700*1800	1200*700*1800	1500*700*1800
Working area size(W*D*H)	900*650*600	1100*650*600	1400*650*600
Cleaness grade	ISO5(《ISO/DIS 14644-1》)		
Rated air flow(cmh)	1200	1800	2200
Average wind speed(m/s)	0.45±0.15		
Filter efficiency	＞99.99%@0.3μm,H13-H14		
Illuminance	≥300lx		
Noise grade(dB)	≤62		
Power paramter	AC1N,220V,50Hz,145W	AC1N,220V,50Hz,145W	AC1N,220V,50Hz,190W
Fluorescent lamp	20W*1	30W*1	40W*1
Amplitude(μm)	≤4		
Material of box	Body:Spray-pait cold rolled steel plate or stainless steel;Table-board:Stailess steel		
This product can be designed and manufactured nonstandard			

Filter Efficiency and Classifications



中国GB13554-92	粗效 Coarse			中效 Medium		高中效 High-medium			亚高效 Sub-medium			高效 HEPA				
欧洲EN779	G1	G2	G3	G4	F5	F6	F7	F8	F9	H10	H11	H12	H13		H14	U15-U17
欧洲EUOVENT	Eu1	Eu1	Eu3	Eu4	Eu5	Eu6	Eu7	Eu8	Eu9	Eu10		Eu11	Eu12	Eu13	Eu14	

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Guangzhou Lingjie Air Purification Equipment Manufaturing Co.,Ltd
Tel:+86-020-84550045-820
Fax:+86-020-84550845
Email:manson_lee2013@163.com
Web:http://www.linjec.com/En
Adr:Shilian Road No.46,Panyu District,Guangzhou,Guangdong,China