



Professional Manufacturer of Cleanroom Purification

China is a major manufacturing country in the world, But for purification equipment, Zhongjing is a best choice.

China's reform and opening up has gone through 40 years of development, under the correct leadership of the CPC and the joint efforts of the Chinese people, China's economy has made remarkable achievements in the world and ranking firmly in the world's second largest economy.

With the continuous improvement of people's living standards, people began to pursue high-quality products and yearning for a better life. The demand for products has also changed from the short supply to the oversupply. The country advocates cutting overcapacity and carrying out supply-side structural reform. Its original intention is to require enterprises to conduct industrial upgrading, produce higher-quality products, to meet people's needs, and participate in global competition, so that China's international competitiveness will have stamina.

Since 2019, the sudden COVID-19 has brought heavy damage to the world economy, and also brought development opportunities to our country and enterprises. Because of the experience of SARS, China quickly brought the epidemic under control. With a good supply chain, China has continuously delivered anti-epidemic materials to the world, making an important contribution to the global fight against the epidemic.

Our country's GDP in 2021 is 114.4 trillion, with a year-on-year growth of 8.1% and a two-year average growth of 5.1%, accounting for 18% of global GDP and 73.5% of US GDP. Therefore, China's economy ushered in a key node of surpassing again! Chinese economist Mr. Yifu Lin said firmly in the "2022 Tsinghua PBCSF Global Financial Forum": One day China's economic aggregate will be twice that of the United

States! The road is obstacle-packed and long. But you will get through if you keep going!

Zhongjing purification, has been committed to the production of high quality purification equipment. In the current epidemic situation, Zhongjing Purification has the courage to take responsibility. During the epidemic in Wuhan, it donated a batch of anti-epidemic materials to Wuhan Leishenshan, which was commended by the Wuhan Red Cross Society. The products of Zhongjing Purification provide a favorable guarantee for many customers to create clean space and produce high-quality products.



Negative pressure weighing booth

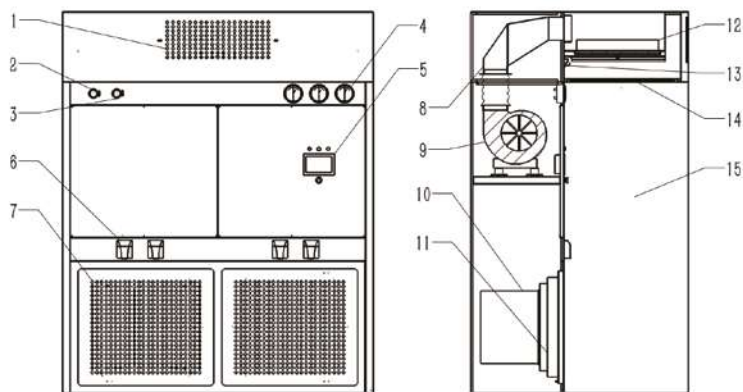
Product description:

Negative pressure weighing booth is a kind of partial purification equipment specially used for pharmaceutical, microbiological research and scientific experiments area. It provides a vertical unidirectional airflow, part of the clean air circulates in the work area, and part is discharged to the nearby area, so that the work area can generate negative pressure, prevent cross-contamination, and ensure a high cleanliness environment in the work area. Making the weighing and packaging of dust and reagents in the equipment can control the overflow and rise of dust and reagents, prevent the inhalation hazards of dust and reagents to the human body, and also avoid cross-contamination of dust and reagents, and protect the safety of the external environment and indoor personnel.



Product features:

- 1.The casing is made of high-quality SUS 304 stainless steel, which is simple and beautiful.
- 2.The return air plate at the windward terminal of the primary and medium efficiency adopts a quick-install structure, which is more convenient for the maintenance of the primary and medium-efficiency filters.
- 3.Configuration of high precision wind speed sensor and PLC automatic control system can accurately and stably adjust to preset wind speed.
- 4.The PLC automatic control system can automatically monitor the filter conditions at all levels, and automatically remind the user to replace the filter when the preset final resistance is reached.
- 5.The PLC automatic control system can automatically capture the fault signal, and can automatically alarm and automatically shutdown when the fault occurs, thus effectively protecting the users and production materials.
- 6.The modular design is convenient for handling and on-site assembly.



Structure diagram:

- 1.Air outlet
- 2.PAO inspection hole
- 3.PAO Sampling outlet
4. HEPA differential pressure gauge
- 5.Control panel and operation button
- 6.Waterproof socket
- 7.Air return hole
- 8.Air duct
- 9.Fan
- 10.Bag type medium efficiency filter
- 11.Primary efficiency filter
- 12.Gel Seal HEPA
- 13.Lamp and UV sterilization lamp
- 14.Air flow equalizing mesh
- 15.Negative pressure working area

Product model and parameters

size	Customized according to customer site layout and usage requirements	
Power supply		380V/50Hz
Illuminance		≥400Lux
Noise		≤70dB
Triple Filtration Efficiency	G3primary efficiency+F8 medium efficiency filter+H14 high efficiency	
Purification rank		class A
Airflow speed		0.45m/s ± 20%

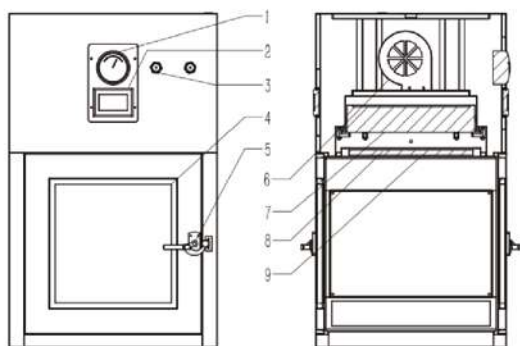
Laminar air flow pass-box

Product description:

Laminar air flow pass-box is an airflow isolation device in the clean room. When transferring items, it can automatically pass through the fan and high-efficiency filter to purify the airflow in the working area, and circulate the purified clean airflow to the working area. Therefore, the cleanliness of the working area is dynamically maintained, and the cross-contamination of the rooms on both sides of the transfer window is effectively prevented. Its interior is equipped with ultraviolet germicidal lamps, which can effectively kill microorganisms and bacteria that grow in the work area, thereby more reliably ensuring the cleanliness of the work area.

Product features:

1. The casing is made of high-quality 304 stainless steel, and the arc transition in the working area is easy to wipe and clean.
2. Configure the PAO testing port, which is convenient to verify the installation integrity of the high-efficiency filter. At the same time, a differential pressure gauge is configured to monitor the use of high-efficiency filters in real time.
3. It is equipped with a humanized touch screen interface, and the operation is simple and clear. The self-purification time and sterilization time can be flexibly set, and the accumulated sterilization time and the reset accumulated sterilization time can be viewed.
4. The monitor automatically controls the process, which greatly simplifies the tedious operation of the user and facilitates the user's use:
 - (1) During use, the monitor can automatically interlock.
 - (2) When self-purification, the countdown of self-cleaning is displayed visually, and it is automatically locked to ensure that the preset self-purification time is completed.
 - (3) After the self-purification is completed, it can be automatically unlocked. If the door is not opened to take out the items after the time has expired, the system will automatically sound a prompt tone to remind the user to take out the items.
 - (4) If the user forgets to close the door after opening the door to pick up the items, the system will sound a prompt tone within 5 minutes after opening the door to remind the user to close the door.
 - (5) After the UV germicidal lamp is turned on, it can automatically turn off the lamp according to the preset time.
5. It is equipped with a seal strip at the bottom door leaf, which is firmer and more durable than the traditional adhesive seal, and has more reliable air tightness.



Structure diagram:

1. Differential pressure gauge
2. Control panel
3. PAO testing port
4. Double glass window
5. Rotating handle
6. Centrifugal blower
7. Gel Seal HEPA
8. UV sterilization lamp
9. Air return hole panel

Product model and parameters

Standard size (mm)	Outer size: 730W-1150H-670D	Inner size: 600W-600H-600D
	Outer size : 930W-1350H-870D	Inner size : 800W-800H-800D
	Outer size : 630W-1050H-570D	Inner size: 500W-500H-500D
Power supply	220V/50Hz	
Power	0.4KW	
Efficiency	99.999%@0.5µm	
Purification rank	class A	
Airflow speed	0.45m/s ± 20%	

Class 100 laminar airflow hood

Product description:

Laminar airflow hood is a kind of air purification equipment that can provide partial high cleanliness. It uses a fan and a high-efficiency filter to purify the dust particles in the airflow, and evenly transports the clean airflow to the coverage area of the laminar flow hood after passing through the air flow equalizing mesh, thereby improving the cleanliness of the area and protecting the area. The production, operating environment and material safety of the area are protected.

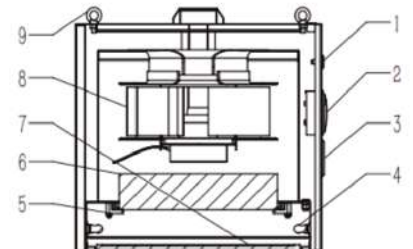
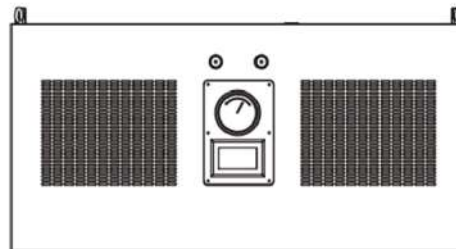


Product features:

1. It adopts modular design, which is convenient for transportation and installation, and can meet different site layout requirements.
2. Adopt special fan for laminar flow hood, high stability and low noise.
3. The double-layer structure reduces the vibration noise of the fan, and the appearance is simple and beautiful.
4. Equipped with PAO testing port, it is convenient to verify the installation reliability after replacing the filter. At the same time, a differential pressure gauge is configured to monitor the use of high-efficiency filters in real time.
5. According to the different installation requirements of the site, the side indoor return air, the top indoor return air, the side take-over return air, the top take-over return air and other structures can be selected.
6. Different installation methods such as suspension mounting and bracket mounting can be used.
7. According to different installation heights, the IC control panel and the laminar flow hood can be installed Integrated, or an independent control box can be installed to a suitable height on the wall.

Structure diagram:

1. PAO testing port
2. Differential pressure gauge
3. Controller
4. LED lamp
5. Clamping components
6. Gel Seal HEPA
7. Air flow equalizing mesh
8. Air blower
9. Hand ring



Product model and parameters

Model	Cleanliness grade	Air speed	Filtration efficiency	Noise	Power supply	Power rating	External dimensions (mm)
ZJ-BJCLZ	Class 100	0.45m/s ±20%	99.999%	≤65dB	AC 220V/50Hz	200W	Customer

Note:

The configuration, size and function of the class100 laminar flow hood can be designed according to customer needs.

Single head type dust collector machine

Product description:

Single head type dust collector machine (Single-machine filter cartridge dust collector, single-machine bag filter) is used for local dust removal in other industries. It has the advantages of small volume, large air volume, compact structure, convenient and reliable use, etc. A single type dust collector machine can be operated by connecting an air duct and a power supply. This dust collector is small in size. It does not require manual operation, and the air volume is 800-15000m³/h.

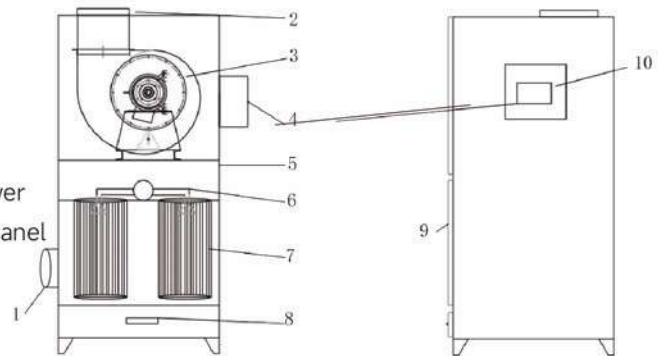
Product features:

It is mainly suitable for the central dust collection system of multi-station operations such as micro dust, feeding, mixing industry, cutting, grinding, sand blasting, etc., cutting operation, bagging operation, grinding operation, sand blasting operation, powder feeding operation, organic glass processing, automobile manufacturing, etc. for a large amount of dust, particle recovery, laser cutting, welding workstations and other working conditions.



Structure diagram:

- 1. Air inter
- 2. Air outer
- 3. fan
- 4. Control box
- 5. Access door
- 6. Pulse air tank
- 7. Cartridge filter / Cloth bag
- 8. Dust collection box drawer
- 9. Access door
- 10. Micro touch operation panel



Product model and parameters

Model	MC-800	MC-1600	SWK-MC 2200	SWK-MC 2700	SWK-MC 3600	SWK-MC 4500	SWK-MC 6000	SWK-MC 10000
Air volume(m ³ /h)	600-800	1000-1200	1800-2000	2700-3200	3000-3600	4500-6000	6000-8000	8000-12000
Casing material	Steel plate stoving varnish or Stainless steel(optional)							
Fan motor power(kw)	0.75	1.50	2.20	3.00	4.00	5.50	7.50	15.00
Power supply	380V/220V	380V/220V	380V/220V	380V	380V	380V	380V	380V
Fan total pressure(Pa)	1210	1360	1470	1578	1650	2014	2554	3187
Cleaning method	Pulse jet cleaning/Manual dust cleaning (optional)							
Pulse time (s)	Can be set							
Dusting method	Cartridge filter							
Filter material	PU fiber/film covering (optional)							
Filter number	1	1	2	4	4	5	5	9
Filter size(mm)	325*500	325*500	325*600	325*660	325*660	325*660	325*660	325*660
Filter accuracy	7μm/0.5μm(optional)							
Filer efficiency	99%							
Air inter size(mm)	Φ100	Φ150	Φ200	Φ250	Φ250	Φ300	Φ400	Φ450
Air outer size (mm)	100*300	150*350	200*400	300*600	300*600	350*700	400*800	350*400
Machine dimension (W*D*Hmm)	500*500*1450	500*500*1450	650*650*1700	800*800*2000	800*800*2000	950*950*2100	1000*1000*2200	1200*1200*2400
Vacuuming method	Pipe connection vacuuming							
Fixed form	Usually fixed feet, optional mobile casters							

Sampling clean Vehicle

Product description:

The sampling clean vehicle is a mobile isolation protection device for the pollution-free transfer of drugs or samples in the pharmaceutical industry and laboratories. It transports the purified class-100 vertical unidirectional flow to the storage compartment through a fan and a high-efficiency filter, thereby purifying and protecting medicines and samples. Class 100 laminar and glass doors and other isolation and protection facilities, so that the storage cabin and the external form of positive pressure difference, to prevent the sampling vehicle through the low-grade area of external air pollution storage cabin. The sampling clean vehicle is equipped with an uninterruptible power supply, which can move freely without plugging in wires.

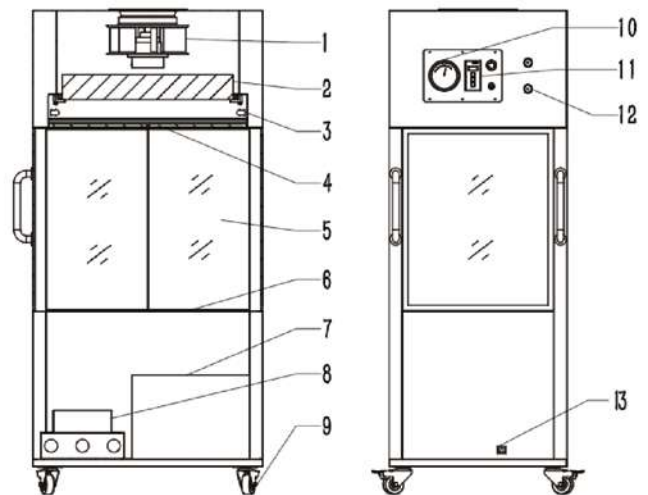
Product features:

1. The whole is made of stainless steel plate, beautiful and easy to clean.
2. Equipped with high-quality casters, the sampling clean vehicle moves smoothly and can effectively buffer vibration. When loading or taking out items, lightly step on the brake pads of the casters to fix the position.
3. The storage cabin has tempered glass windows on three sides and a tempered glass door on the front side. The vertical airflow makes the storage cabin form a positive pressure difference to the outside, which can effectively prevent the entry of external pollutant airflow.
4. Equipped with high-capacity UPS uninterruptible power supply, the battery can work continuously for about 4 hours when the battery is fully charged, and the vehicle can be wireless.
5. Equipped with air volume adjustment function, the air speed can be adjusted in three gears: high, medium and low.
6. Equipped with a pointer differential pressure gauge to monitor the differential pressure at the upper and lower wind ends of the high-efficiency filter in real time.
7. Configure the PAO testing port to verify the integrity of the high-efficiency filter installation to meet the requirements of GMP specification.
8. Equipped with push-pull handle, which is more labor-saving and convenient when moving.



Structure diagram:

- | | |
|------------------------------|---------------------------------|
| 1. Fan | 2. HEPA |
| 3. LED LAMP | 4. Air flow equalizing mesh |
| 5. Tempering glass door leaf | 6. Countertop |
| 7. battery | 8. UPS |
| 9. Caster | 10. Differential pressure gauge |
| 11. Control panel | 12. PAO testing port |
| 13. Power socket | |



Product model and parameters

Model	Cleanliness	Average wind velocity	Filer efficiency	Noise	Power supply	Rated power	External size (mm)	Working area size (mm)
ZJ-CYE-680W	Class 100	0.45m/s±20%	99.999%	≤65dB	AC 220V/50Hz	300W	W680*H1850*D880	W657*H700*D780

Note:

The configuration, size and function of the sampling clean vehicle can be designed according to customer needs.



Hospital air purification equipment

Modular Quick-Install Operating Room

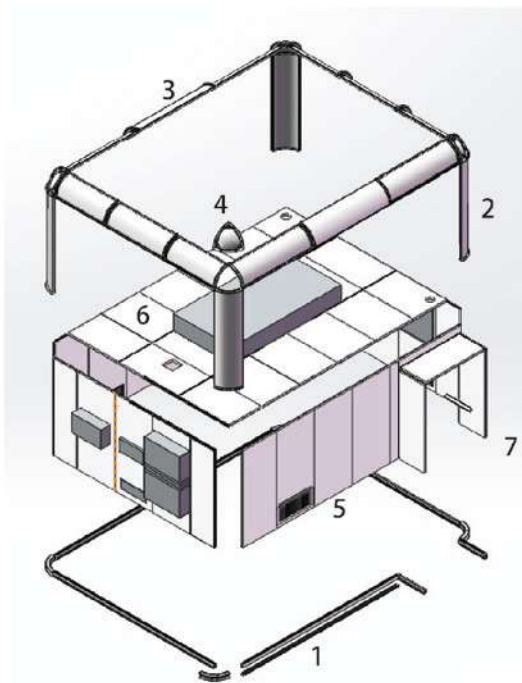
Product features:

Compared with first generation technology(Heavy Structure technology)and second generation technology (Light Structure technology).Modular Quick-install operating room has these features:

(1) Effectively shorten the period of construction: to finish construction of the same size operating room with 4 workers, by Heavy Structure technology, it will take 10 to 14 days,by Light Structure technology,4 to 8 days, while by Modular Quick-install technology, it will just take a single day.

(2) Simplify construction technology: quick-install technology adopt pre manufacture method . and eliminates cross construction of multi-work. Parts can be made at the same time during pre"manufacture period.

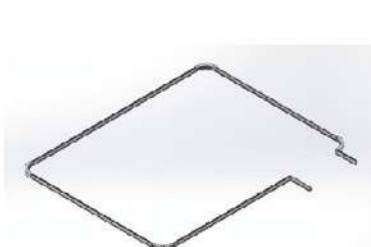
(3) Effectively cut cost of project: byshortening the period ofconstruction, project expense will be effective cut down.



Structure diagram:

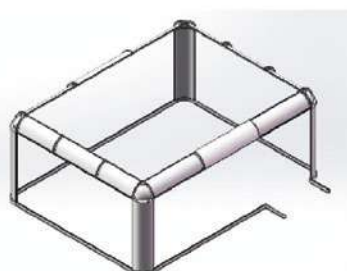
1. Foundation
2. Arc Column
3. Arc beam
4. Octasperejoint
5. Wall panels
6. Ceiling
7. Doorcase

Installation process



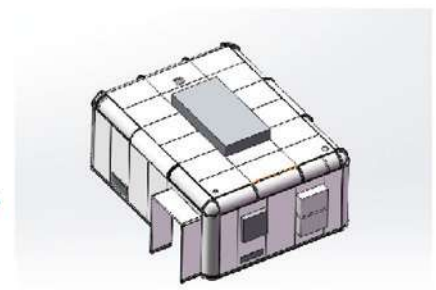
Step 1

Installation of footing foundation.



Step 2

Installation of crossbeam skeleton.



Step 3

Splice wall panels and install door frames.

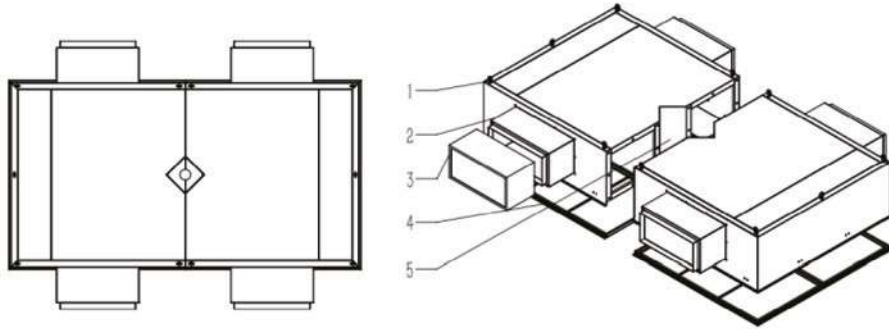
Operation room laminar air flow ceiling

Product description:

Operation room laminar air flow ceiling is an essential air supply device for hospital operating rooms. Its function is to ensure the air cleanliness and airflow uniformity in the operating room, especially the operating area, and reduce the risk of surgical infection.

Product features:

- 1.Modular design: more convenient transportation and more flexible assembly.
- 2.High reliability: choose the special high-efficiency filter for the operating room , and the filtration and purification effect is good; the purified airflow passes through the double-layer flow-equalizing mesh, and the air supply air flow is uniform.
- 3.Easy maintenance: The mounting frame of the air flow equalizing mesh is fixed by a circlip, which is more convenient for maintenance.



Structure diagram:

- 1.Casing
- 2.Filter mounting frame
- 3.HEPA
- 4.Air flow equalizing mesh
- 5.Fitting plate of shadow-less lamp

Product model and parameters

Model	LC-2624	LC-2618	LC-2614
Casing neck size(mm)	2600*2400*500	2600*1800*500	2600*1400*500
Ceiling opening size(mm)	2610*2410	2610*1810	2610*1410
Supply air speed or ventilation rate	0.2-0.25m/s	24 times/hour	18times/hour
Rated air volume	7500CMH	4000CMH	3000CMH
Filter size and quantity	610*305*292=8pcs	610*305*292=4pcs	610*305*292=3pcs
Filter efficiency	99.999%@0.5μm		
Applications	Class I operating room (Specially operating room)	Class II operating room (Standard operating room)	Class III operating room (General operating room)

Note:

Laminar air ceiling configuration, size and function can be designed according to customer needs.

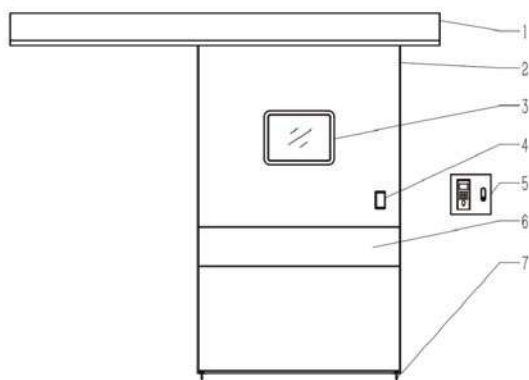
Medical /Hospital Automatic Hermetic Door

Product description:

Hospital Automatic Hermetic Door is a special door for entering and exiting the hospital operating room and various optical imaging inspection departments. Its quick opening and closing facilitates the rapid passage of doctors, nurses and patients, and reduces external unclean airflow into the operating room. Equipped with anti-radiation material, it can block the radiation of the instrument and effectively protect the personnel outside the room.

Product features:

1. According to the different environmental color matching requirements of the site, the door panel can be made of PPGI or stainless steel plate.
2. According to the requirements of different protection levels on site, the door leaf can be made of ordinary type or radiation-proof type.
3. Card reader disk, doorbell switch, foot reaction switch and radar switch can be selected according to different permissions and control requirements on site.
4. Double doors or single doors (left opening or right opening) can be customized according to different layout requirements and size restrictions on site.



Structure diagram:

1. Guide Rail
2. Door leaf
3. Observation window
4. Handle
5. Control panel
6. SUS Collision
7. Balance wheel

Note: The configuration, size and function of the medical sliding door can be designed according to customer needs.

Operating room Writing Desk

Product description:

Operating room writing desk is a device for doctors and nurses in the operating room to write and place medical record documents. It adopts embedded design, and the pull rod type quick opening and closing door leaf is controlled by linkage with the lighting, which is convenient for doctors and nurses to use, effectively maintains the simplicity and beauty of the operating room, and facilitates the maintenance of the hygienic environment of the operation.

Product features:

1. It adopts embedded structure, which is simple and beautiful, and does not occupy space.
2. The railings and lamps are controlled by linkage, which is more user-friendly: the light is on when the door is turned on, and the light is off when the door is closed, which reduces the tedious operation of personnel.
3. Pneumatic pull rod, reducing the noise when opening and closing.



Electric lifting transfer window

Product description:

The electric lifting transfer window is an transfer window for quickly passing goods, using a foot reaction switch or manual switch to open the door for easy transfer of items that need to be moved by hand. It is convenient to observe the situation of the door and window work area. It separates indoor and outdoor air from pollution, and acts as a channel for the circulation of clean room and outdoor items.

It is widely used in hospitals, purification workshops, laboratories, pharmaceutical factories, food factories, electronics factories and other air purification places.

Product features:

1. Made of high-quality SUS 304 stainless steel, durable.
2. The glass door is made of stainless steel tube frame and 5MM thick 3C tempered glass, which is safe and not deformed.
3. Optional one-button lift/foot lift, induction lift/foot lift, simple and convenient.
4. With infrared sensor anti-pinch function to prevent hands from being pinched.
5. Built-in electronic interlock function, one side of the window and door is opened, and the other side is automatically locked.
6. Intercom function, press the voice button, enter the intercom mode after the call bell rings, and automatically turn off after one minute.
7. Built-in germicidal ultraviolet lamp, which can effectively prevent the secondary pollution of the passage by the conveyed items.
8. Foot-controlled lifting function, when picking up items with both hands, the foot-controlled switch can be used to complete the lifting control.



Single-layer electric lift transfer window



Double electric lift transfer window

Partial diagram:



Touch type switch control

Induction switch control

Foot reaction switch

Built-in intercom function

Built-in germicidal UV lamp

Built-in infrared sensor anti-pinch function

Product model and parameters

Model	SN1005	SN1006	SN1007	SN1008
Specifications (mm)	900X700X1200/800	900X700X1500/800	1000X700X1500/800	930X700X1660/800
Channel size (mm)	680X570X560	680X570X710	780X570X710	700X570X800
Control mode (Optional)	One-button lift / foot lift / induction lift / foot lift			
Interlock function	Standard configuration			
Intercom function	Standard configuration			
Anti-clip function	Touch rebound +infrared sensors			
Power of motor (W)	25			
Ultraviolet light power (W)	5			
Total power(W)	30			
Supply power (W)	AC 220V, 50Hz			

Note: The above are the selection parameters of the two-door electric lifting transfer window. The single-layer electric lifting transfer window is selected according to the actual situation.

Medicine Cabinet / Instrument Cabinet / Anesthesia Cabinet

Product description:

Medicine cabinets, instrument cabinets, and anesthesia cabinets are the basic equipment to be configured in hospital clean operating rooms. When the operating room is constructed, the corresponding products should be installed in accordance with the quantity and style recommended in the "GB50333-2013 Architectural technical code for hospital clean operating department".

The medicine cabinet is a cabinet specially used for storing non-narcotic drugs and dispensing medicines in the clean operating room.

The instrument cabinet is a cabinet specially used for storing surgical instruments in the clean operating room.

The anesthesia cabinet is a cabinet specially used for storing anesthesia drugs in the clean operating room.



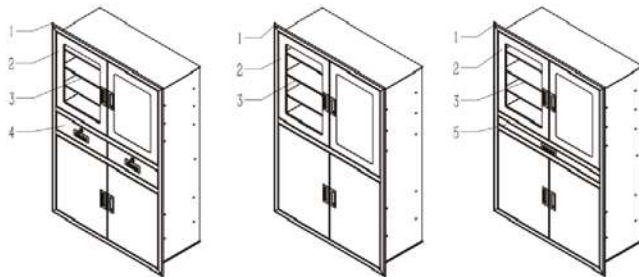
Medicine cabinet

Instrument cabinet

Anesthesia cabinet

Product features:

- 1.The casing is made of high-quality 304 stainless steel sanding board, the surface is Wipe resistance, corrosion and durability.
- 2.The edge of the casing adopts the inclined flange structure, which has a high installation tolerance, and there is no dust accumulation when it is embedded and installed flat to the wall, which is more conducive to maintaining the cleanliness of the air in the operating room.
- 3.The interior is equipped with removable tempered glass laminates, which is easy to clean, and different layers can be selected according to actual needs.
- 4.The cabinet is an integral cabinet with firm structure and easy to clean.
- 5.The cabinet can open the door with a very light force, take out easily, does not occupy other extra space, is easy to use and has a beautiful appearance.



Structure diagram:

- 1.Casing
- 2.Swing cabinet leaf
- 3.Tempered glass laminates
- 4.Drawer with lock
- 5.Pulling type pallet

Product model and parameters

Model	Standard sizes(mm)	Drawer with lock	Pulling type pallet	Tempered glass laminates	Inclined flange	Cabinet door style
Medicine cabinet	900Wx1300Hx350D		●	●	●	■ Swing door □ Sliding door
	900Wx1700Hx350D		●	●	●	
Instrument cabinet	900Wx1300Hx350D			●	●	
	900Wx1700Hx350D			●	●	
Anesthesia cabinet	900Wx1300Hx350D	●		●	●	
	900Wx1700Hx350D	●		●	●	



Cleanroom equipment



Pass Box

Product description:

The pass box is an airflow isolation device in the clean room to ensure that cross-contamination is avoided when items are transferred. Its interlocking function ensures that any one door is opened, and the other door is locked for protection, thereby avoiding the cross-contamination of air flow between two different levels of room. Its interior is equipped with ultraviolet germicidal lamps, which can effectively kill microorganisms or bacteria entering the inner chamber of the transfer window and maintain a clean environment for the inner chamber. It is widely used in hospitals, pharmaceutical factories, biological laboratories, cosmetic factories, electronics industry, food processing industry and other places.



Product features:

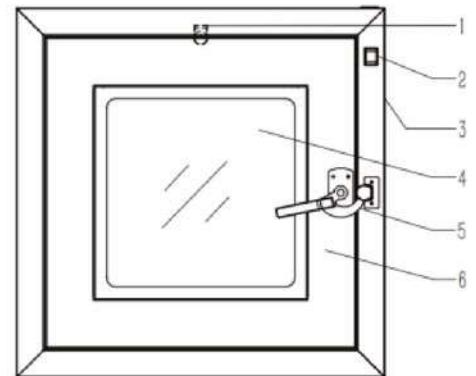
- 1.The inbuilt type door leaf structure does not have the disadvantage of dust accumulation above the door of the external type door leaf structure, which is convenient for maintaining the clean room environment.
- 2.Integrated door leaf structure does not have the disadvantage of poor air tightness in the joint position of the square tube door structure, which is conducive to maintaining the air tightness between the two rooms.
- 3.The special card-slot type door seal strip is more firm and durable after installation, and there is no disadvantage of the aging and falling off of the adhesive seal.
- 4.According to the needs of use, optional mechanical interlock and electronic interlock.
- 5.Different corner styles and different opening directions can be customized according to the site layout.
- 6.According to your needs, you can choose the inner and outer 304 stainless steel material or the inner stainless steel and the outer Steel plate spraying.
- 7.According to the needs of use, a pair of intercom calls can be added.

Structure diagram:

- 1.UV light
- 2.UV light switch
- 3.casing
- 4.Observation window
- 5.Handle
- 6.Door leaf

Optional accessories:

- a、 Intercom unit
- b、 External environmental protection plate and inside stainless steel plate
- c、 Hinges
- d、 Mechanical interlock and electronic interlock
- e、 UV light quantity
- f、 UV light time controller and so on.



Product model and parameters

Model	Mechanical interlock	Electronic interlock
External size(mm)	W600*H600*D600	W600*H600*D600
Inner dimension(mm)	W486*H486*D530	W486*H486*D530
Voltage	220V,50HZ	220V,50HZ
External case material	Stainless steel/Epoxy powder coated	Stainless steel/Epoxy powder coated
Internal material	Stainless steel	Stainless steel
Appearance color	Stainless steel/Spray coating color	Stainless steel/Spray coating color

Note: The size can be customized.

Air Shower

Product description:

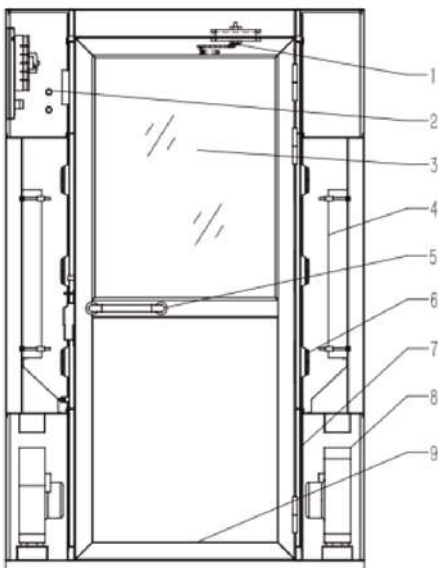
The air shower is a necessary channel for people or materials to enter and exit the clean area, and plays the role of air lock and purification. It uses a blower to extract the circulating air inside the air shower, and after being filtered and purified by the primary and high-efficiency filters, the clean air is sprayed from the nozzle to the surface of people and materials at a high speed, and quickly removes dust particles and bacteria from the surface of personal clothing or materials. , and the blown dust particles and bacteria are absorbed and contained in the primary and high-efficiency filters through the circulating airflow.

It can reduce the pollution problems caused by entering and exiting the clean area, prevent the staff from bringing hair, dust and bacteria into the clean workshop, which is conducive to maintaining the strict dust-free cleanliness level of the workplace and producing high-quality products.

It is widely used in various industrial sectors and scientific laboratories such as electronics, national defense, precision instruments, instrumentation, automobile manufacturing, pharmaceuticals, food, chemicals, agriculture, biology, etc.

Product features:

- 1.The entry and exit process is automatically controlled, reducing the tedious operation of personnel: automatic interlocking, automatic start and stop of air showers and lighting during personnel entry and exit.
- 2.The system has voice prompts, which is convenient for users to understand the machine status and process progress.
- 3.The door closer is hidden type installation, with a simple and elegant appearance. The disadvantages of transport damage and additional installation on site when there is exposed type installation.
- 4.Different corner styles can be customized according to different site layouts and personnel entry and exit paths, and different opening directions can be customized.
- 5.According to different use requirements, stainless steel handle doors, automatic doors or rolling shutter doors can be selected.



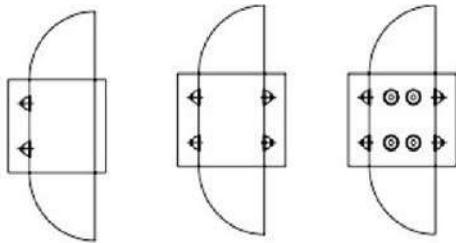
Structure diagram:

- 1.Door closer
- 2.Pilot lamp
- 3.Observation window
- 4.HEPA
- 5.Handle
- 6.SUS nozzle
- 7.Primary Efficiency Filter
- 8.Fan
- 9.SUS door frame

Note: The door of air shower can be choose medical sliding door or rolling door, the specific configuration, size and function can be designed according to customer needs.

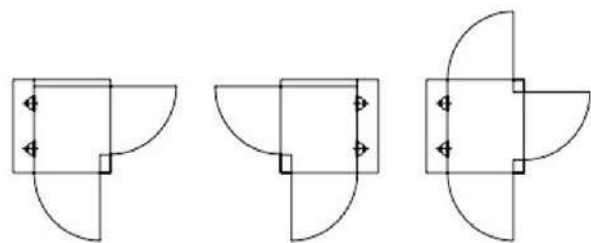
Product model and parameters

Type of air showing



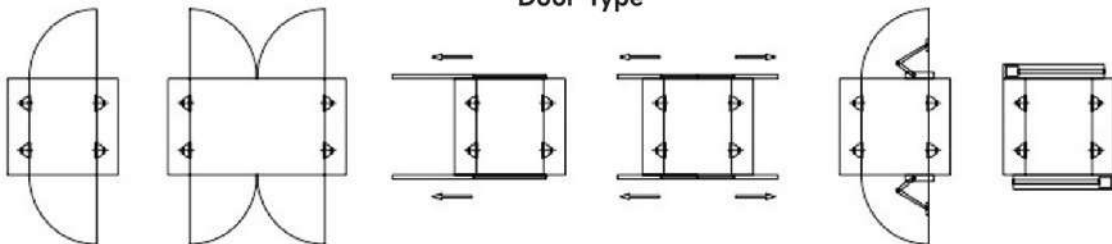
Single-side Double-side Top and sides

Direction for door opening



Right-turn Left-turn Three doors

Door Type



Manual side-hung single door Manual side-hung double doors Automatic single door Automatic double doors Semi-auto side-hung door Automatic rolling door

Technical parameter	Model	Single person single blow air shower SL-1150-1	Single person double blow air shower SL-1300-1	Double persons double blow air shower SL-1300-15
Overall Dimensions W x L x H(mm)		1150x1000x2050	1300x1000x2050	1300x1500x2050
Internal size W x L x H(mm)		800x920x1900	800x920x1900	800x1420x1900
Air speed (m/s)			≥25	
Nozzles quantity		6	12	18
Air shower time(sec)			0~99s(Optional)	
Filter		High efficiency filter(efficiency≥99.99%; Primary efficiency filter can be used to clean chemical fiber material≥ (5um counting rate≥95%)		
Power supply		380V 50Hz		
LED Light		9W*1	9W*1	9W*1
Consumption (kw)		0.65	1.3	2.4
Net weight (kg)		355	412	575

Air-Shower Pass-Box

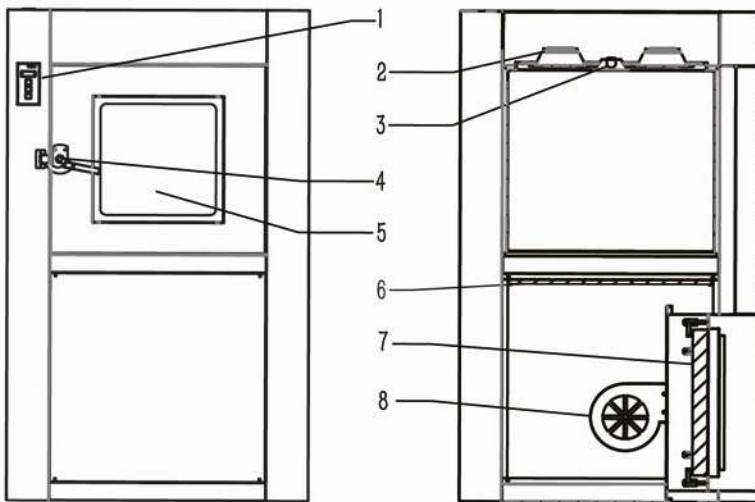
Product description:

Air-shower pass-box is designed according to the model of the air shower, the air blown out quickly by the fan will become clean air passing through the high efficiency filter, the clean air is sprayed out of the stainless steel spray header with the speed over 20m/s, which can be used to remove the dust particles adhesive to the surface of the object effectively and rapidly. After the double filtration by circulating air through the HEPA and the primary efficiency filter the effect of purification is notable with strong usability.



Structure diagram:

- 1.Control panel
- 2.Nozzle Air-shower
- 3.Ultraviolet lamp
- 4.Handle
- 5.Double observation window
- 6.Primary Efficiency Filter
7. HEPA
- 8.Centrifugal fan



Product model and parameters



Stainless steel type

External materials:SUS 304
Internal materials:SUS 304



Eco Board type

External materials:Sprayed eco-board
Internal materials:SUS 304

Model	Contour Size (mm)	Internal Size(mm)	Quantity of nozzle (pcs)	filter Size(mm)
SLCDF-1	W850*H1450*D670	W600*H600*D600	4	400*400*69

Note: Customised, electrical interlocking mode can be provided.

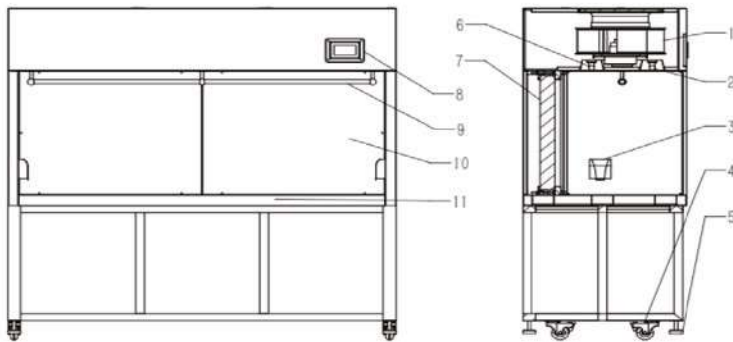
Horizontal flow clean bench

Product description:

The horizontal flow clean bench is an airflow protection device that provides a local clean environment. It uses fans and filters to continuously deliver horizontal unidirectional airflow to the working area, so that a positive pressure difference is formed between the operating area and the outside. The reagents and samples are protected from contamination by external airflow. Widely used in water quality testing, food testing, precision instruments, instrument testing, plant tissue culture inoculation and other industries.

Product features:

- 1.The cleanliness reaches class 100, and the air flow form: horizontal flow unidirectional flow.
- 2.The open table is convenient for the entry and exit of large items.
- 3.The controller has the functions of wind speed adjustment and sterilization timing.
- 4.Stainless steel operating table, easy to clean.
- 5.Equipped with lights to ensure sufficient illumination in the working area.
- 6.Equipped with ultraviolet germicidal lamps to kill microorganisms and bacteria on the countertop.



Structure diagram:

1. Centrifugal fan
- 2.LED LAMP
3. Waterproof socket
4. Wheel
5. Adjustable foot margin
- 6.UV lamp
7. HEPA filter
8. Control panel
9. Hanging rod
10. Air flow equalizing plate
11. Stainless steel countertop

Product model and parameters

External size(mm)	W1800*H1880*D760
Working area size (mm)	W1700*H720*D555
Rate Air volume(m ³ /h)	1800
Wind Velocity (m/s)	0.45 ± 20%
Purification rank	class 100 (ISO 14644 international standard)
HEPA efficiency	99.99% @ 0.3µm
HEPA size(mm)	W815*H660*D69
HEPA quantity(pcs)	2
Countertop material	304 Sand polished stainless steel
Noise (dB)	< 62
Noise test location	At a distance of 20cm from the front of the table and a height of 1.2m from the bottom.
Power supply	220V AC,50Hz
Number of person applicable	1-2 persons

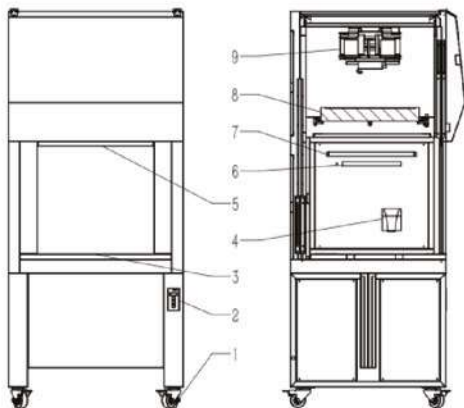
Vertical flow clean bench

Product description:

The vertical flow clean bench is an airflow protection device that provides a local clean environment. It uses fans and filters to continuously deliver vertical unidirectional airflow to the working area, so that a positive pressure difference is formed between the operating area and the outside. The reagents and samples are protected from contamination by external airflow. Widely used in water quality testing, food testing, precision instruments, instrument testing, plant tissue culture or inoculation and other industries.

Product features:

- 1.The cleanliness reaches class 100, and the air flow form: vertical flow and unidirectional flow.
- 2.The up and down sliding windows can be stopped at any position, which can prevent external turbulence from affecting the cleanliness of the working area.
- 3.The controller has the functions of wind speed adjustment and sterilization timing.
- 4.Stainless steel operating table, easy to clean.
- 5.Equipped with lights to ensure sufficient illumination in the working area.
- 6.Equipped with ultraviolet germicidal lamps to kill microorganisms and bacteria on the countertop.



Structure diagram:

- 1.Wheel with brake
- 2.Control panel
- 3.Stainless steel countertop
- 4.Socket
- 5.Flexible glass door
- 6.LED lamp
- 7.UV lamp
- 8.HEPA
- 9.Centrifugal fan

Product model and parameters

Model	ZD-S-900	ZD-S-1500	ZD-S-2000
External size (WxHxD)(mm)	900Wx2042Hx750D	1500Wx2042Hx750D	2000Wx2042Hx750D
Working area size (WxHxD)(mm)	780Wx600Hx600D	1380Wx600Hx600D	1880Wx600Hx600D
Rate Air volume (m ³ /h)	800	1350	1850
Wind velocity (m/s)	0.45 ± 20%		
Purification rank	class 100 (ISO 14644 international standard)		
HEPA Efficiency	99.99%@0.3um		
HEPA size (mm)	658x488x69	597x488x69	847x488x69
HEPA quantity (pcs)	1	2	2
Bench vibration half-peak	The bench and the overall frame are separated without vibration effect (optional)		
Countertop material	304 Sand polished stainless steel		
Noise (dB)	< 62dB	< 62dB	< 65dB
Noise test location	At a distance of 20cm from the front of the table and a height of 1.2m from the bottom.		
Power supply	220V AC 50Hz		
Number of person applicable	1 Person	1-2 Persons	2-3 Persons

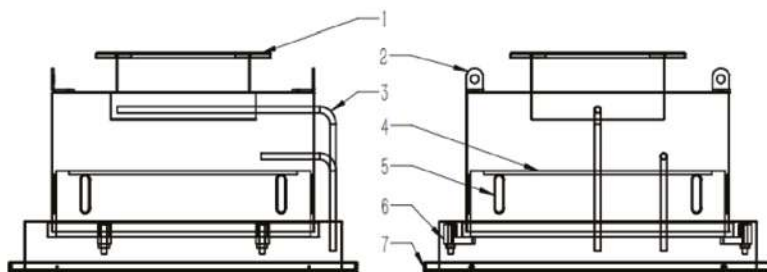
Gel sealed HEPA box

Product description:

Gel Sealed HEPA box is the terminal air supply device of the clean room. After connecting with the ventilation duct, the gel seal high-efficiency filter configured inside can effectively filter the airflow delivered by the central unit and pass the diffuser plate evenly spread the purified airflow to the coverage area in the room to ensure the cleanliness of the room. It is now widely used in hospitals, laboratories, bio-pharmaceuticals, semiconductors, precision machinery, optics and other technical fields.

Product features:

- 1.The compact structure of the casing and the gel seal knife edge, the sealing reliability is higher.
- 2.There are side flume and top flume for the same air volume, which can meet different installation requirements on site.
- 3.Equipped with PAO testing port, it is convenient to verify the installation reliability after replacing the filter.
- 4.The limiting convex hull inside the casing is convenient to insert the knife edge into the middle position of the gel seal sealant quickly and reliably when installing the filter.



Structure diagram:

- 1.Flange
- 2.Hanging lugs
- 3.PAO testing tube
- 4.Gel seal HEPA
- 5.Limiting convex hull
- 6.Fixed clamping components
- 7.Diffuser plate(Optional material:stainless steel, spray)

Product model and parameters

Standard size (A*B*C, mm)	Air volume(m ³ /h)	Interface size(mm)	Diffuser plate size(mm)	Air filter size (mm)
482x482x250	500	200*200	528*528*15	412*412*93
701x586x250	1000	320*200	747*632*15	631*516*93
828x701x250	1500	320*250	874*747*15	758*631*93
1096x701x250	2000	500*200	1142*747*15	1026*631*93

Note:

The specifications listed in the table are for customer reference only, and non-standard sizes can be made according to customer requirements.

High efficiency air supply outlet

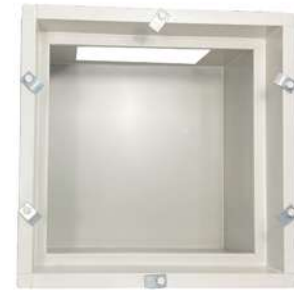
Product description:

The high efficiency air supply port is the terminal air supply device of the clean room. After connecting with the ventilation duct, the dry-type high efficiency filter configured inside can effectively filter the airflow delivered by the central unit, and pass the diffuser plate to clean the air. The airflow spreads evenly to the coverage area in the room, thus ensuring the cleanliness of the room. Because of its low maintenance cost, it is widely used in clean rooms of various industries in the non-biological field.



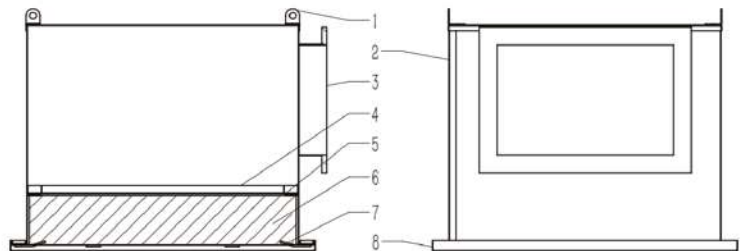
Product features:

- 1.The standard product is convenient for mass production and maintenance and replacement. Because the design aspects is reduced, and it is a stock product, the delivery time is faster than that of the customized product.
- 2.According to the air supply volume of the room, the specifications of 500/1000/1500/2000 m³/h air volume can be flexibly selected.
- 3.According to the working conditions of on-site installation, the styles of side flume and top flume can be flexibly selected.



Structure diagram:

- 1.Hanging lugs
- 2.Casing
- 3.Air inlet flange
- 4.Filter mounting frame
- 5.Sealing gasket
- 6.HEAP
- 7.Press bolts
- 8.Diffuser plate(Optional material:stainless steel, spray)



Product model and parameters

Model		Rated air volume(m ³ /h)	External size (mm)	Filter size (mm)	Air inlet size(mm)	Air duct connection size(mm)	Diffuser plate size(mm)
Side supply	Top supply						
320	320	500	330x330x400	320x320x90	200x200	250x250	390x390x20
484	484	1000	494x494x400	484x484x90	320x200	370x250	554x554x20
630	630	1500	640x640x450	630x630x90	320x250	370x300	700x700x20

Note:

The specifications listed in the table are for customer reference only, and non-standard sizes can be made according to customer requirements.

FFU Laminar Air Supply Unit

Product description:

The FFU laminar air supply unit is a terminal air supply device in clean rooms and clean workshops. It is a combination of a fan and a high-efficiency filter and it no need air duct. It can be flexibly selected according to the on-site air volume and size requirements, and the construction can be arranged quickly. It is widely used in medicine, electronics, food factories and other industries.

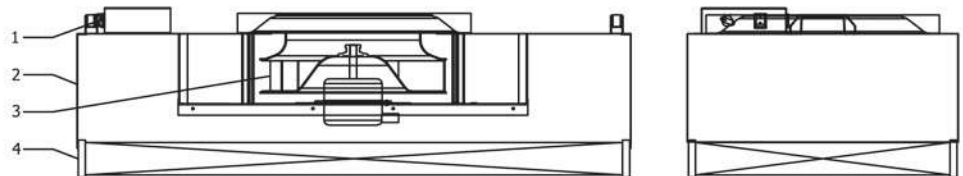


Product features:

- 1.High-quality FFU special centrifugal fan is used, which has the characteristics of long life, low noise, small vibration.
- 2.With Three gears speed control function, the speed gear can be manually adjusted according to the needs of the site or the use of the high-efficiency filter.
- 3.When the cleanroom production line is used on a large scale, a group control device can be selected.
- 4.The casing is made of aluminum-zinc plate, which is beautiful and elegant.
- 5.The products are tested one by one before leaving the factory, with high reliability and can meet the requirements of the American standard FDA 209E and the national standard GMP.

Structure diagram:

- 1.Control casing
- 2.Casing
- 3.Fan
- 4.HEPA



Product model and parameters

Model	FFU-2X4	FFU-2X2
Dimension(mm)	L1175xW575xH265	L575xW575xH265
Air Volume(m³/h)	1000	500
Purification rank	Class 100	
Filter Efficiency	99.995%@0.3µm	
HEPA(mm)	L1170xW570xD69	L570xW570xD69
Noise	Sound pressure level(Located 1.5m below the filter) ≤54dB (A) (@0.45m/sOPa)	
Casing material	Aluminized zinc	
Supply power	AC 1Ph, 200 ~ 240 50/60HZ	
Power	180W	180W

Fast rolling door

Product description:

The fast rolling door refers to the barrier-free isolation door that can be raised and lowered rapidly at a speed of more than 0.6 m/s. It mainly plays the role of fast entry and exit and isolation, so as to improve the efficiency of entry and exit operation and reduce airflow cross pollution between the two areas separated by the door leaf. It is widely used in various sectors such as pharmaceutical, food, chemical, electronics, warehousing, etc.

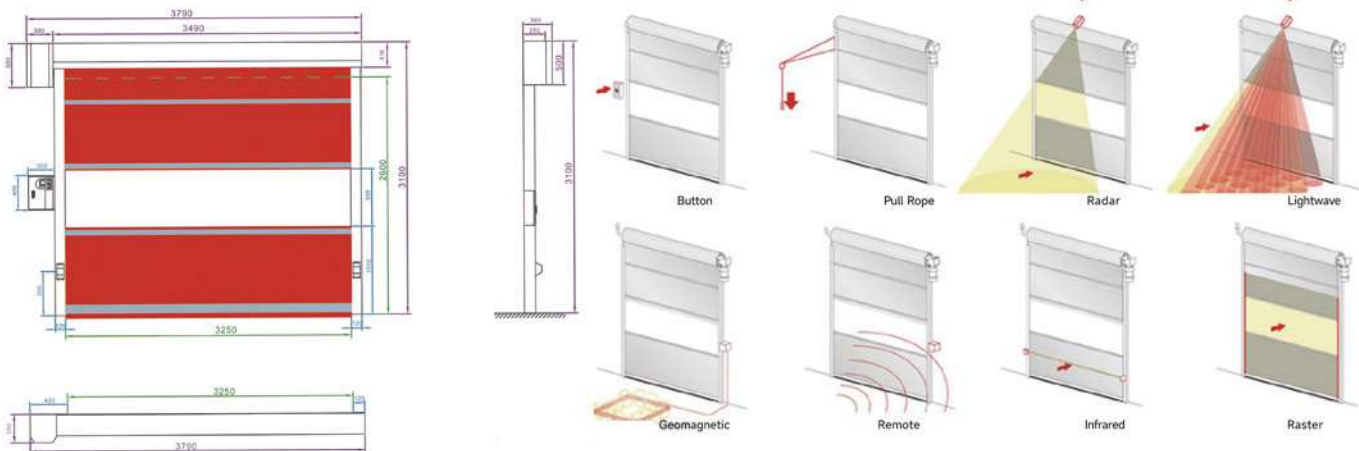
Product features:

- 1.The rolling door curtain is equipped with an aluminum alloy wind-resistant rod, which has good strength. Even if it encounters a strong wind, the bending degree of the door panel is relatively small, and it can be opened and closed smoothly.
- 2.Adopt servomechanism, which is reliable and stable. It has the functions of slow start and slow stop to ensure the smooth operation of the door curtain and prolong the service life of the door curtain and the motor.
- 3.with window ,easy to observe the situation inside the door
- 4.Quick opening and closing, the opening and closing speed reaches 0.8-1.5m/s. It can greatly improve the operation efficiency of the entrance and exit of factories and warehouses, and can reduce the cross-contamination of air and the escape of cold air between the two areas when items are frequently in and out.
- 5.With anti-pinch protection function, when the curtain falls, the photoelectric switch will detect whether there is an object blocking in advance, and automatically stop falling before the curtain touches the obstacle.
- 6.The size can be customized according to the needs, and the door opening methods such as remote control switch, radar switch, manual switch, geomagnetic switch, etc. can be selected.



Model	Size	Modalities of control	Operation	Utilization rate	Design life time	Windresistance	Requirements for envi
ZJ-FRD	Customised	Button/Pull rope/ Radar/lightwave/ Geomagnetic/ Remote/Infrared/ Raster	Electric (via open/ close switch operation/ slow start& stop) Power supply Three-phase 380V, single-phase 220V	120-150 round trips/ 1 hour	700,000 times (300,000 vulnerable parts)	186Pa.(Grade6)	working environment: -10°C to 50°C, Humidity : Up to RH 85%

Structure schematic:



Cleanroom Shed

Product description:

The clean shed is a kind of air purification equipment that can be quickly built and provide a local high-clean environment. It continuously transports clean air flow to the coverage area through FFU, and isolates the coverage area from the room environment through isolation protection facilities such as anti-static curtains, mesh curtains or tempered glass, so as to a local environment with a higher cleanliness level can be built in the room.

Product features:

- 1.Modular design, convenient for transportation and installation, and can meet different site layouts.
- 2.According to different installation requirements, a ceiling holder or a floor holder can be selected.
- 3.According to different needs, vertical curtains, mesh curtains or tempered glass can be selected.
- 4.According to different use requirements, optional casters or adjustable foot pads.

Note: The size can be customized.



Air handling unit

Product description:

The air handling unit is used for the fresh air filtration, return air filtration, exhaust air filtration in the central air conditioning system, as well as the pressurization and filtration of the airflow of each branch pipeline. Its installation position is flexible, and after connecting to the ventilation duct, it can meet the design requirements of different purification rank in different areas.

Product features:

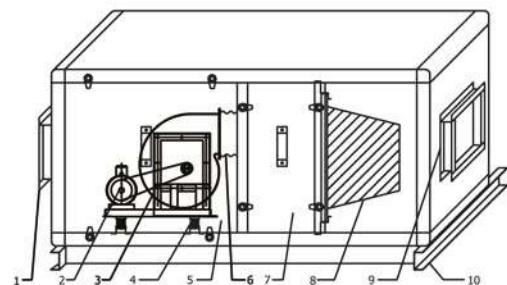
1. Made of aluminum profile frame, color GI panel casing, and galvanized steel plate base, with firm structure and simple appearance.
2. Different specifications can be customized according to different air volume and external pressure requirements.
3. According to different filter requirements, various combinations such as primary efficiency, intermediate efficiency, high efficiency and activated carbon can be selected.
4. The specifications of frequency conversion and explosion-proof can be customized.



Structure diagram:

- 1.Air inlet flange
- 2.Motor
- 3.Fan
- 4.Spring shock absorber
- 5.Fan access door
- 6.Canvas soft joint
- 7.Filter access door
- 8.Filter
- 9.Air outlet flange
- 10.Base

Note: The size and function of the air handling unit can be designed according to customer needs.





Air Purification filter (GB/EN)



Primary Effect Folding Air Filter

Product description:

Primary Effect Folding Air Filter is made of primary efficiency non-woven fabric as filter material and combined with aluminum alloy frame. It is suitable for primary or medium-efficiency or high-efficiency filtration or front-mounted devices in the purification systems.

Product features:

This filter has a large area and dust holding capacity, and is convenient to clean and replace the filter material.



Medium Effect Folding Filter

Product description:

Medium Effect Folding Filter used in medium efficiency filtration of central air-conditioning ventilation systems, pharmaceuticals, hospitals, electronics, food, and other industrial purification. It can also be used as the front-end filtration of high-efficiency filtration to reduce the load of high-efficiency filters and prolong its service life.

Product features:

large air volume, small resistance and high dust holding capacity.



Primary medium Effect Folding Air Filter

Product description:

LX-G4 Primary medium Effect Folding Air Filter is made of dense non-woven fabric or glass fiber as filter material, combined with aluminum alloy frame. It is suitable for primary or medium-efficiency or high-efficiency filtration or front-mounted devices in the purification systems.

Product features:

This filter has a large area and dust holding capacity, and is convenient to clean and replace the filter material.



Medium Effect Bag Air Filter

Product description:

The medium effect bag air filter is mainly used in central air conditioning and centralized air supply systems. It can be used for medium effect filtration in air conditioning systems to protect the next-level filter in the system and the system itself. In places where the requirements for air purification and cleanliness are not strict, the air treated by the medium-efficiency filter can be directly sent to the user. The aluminum frame bag filter adopts high-quality synthetic fiber or imported glass fiber as the filter material. And the frame material is aluminum alloy profile, and the inner frame is spray-coated and cold-drawn wire support frame.

Product features:

1. Using bag-type structure increase by the air passage area of the filter material, which has the characteristics of compact structure and large air volume. The mouth of the bag is supported by a skeleton, which has good strength. The aluminum alloy outer frame has high flatness, and the sealing performance is reliable after pressing and fitting.
2. It can be used in all kinds of filter exhaust cases, filter cases and dust collectors, and it can be used flexibly.
3. High dust holding capacity, long filter life and low pressure difference.
4. According to the demands, the efficiency of F5~F9 can be customized.

GF-F5 medium effect bag air filter



GF-F6 medium effect bag air filter



GF-F7 medium effect bag air filter



GF-F8 medium effect bag air filter



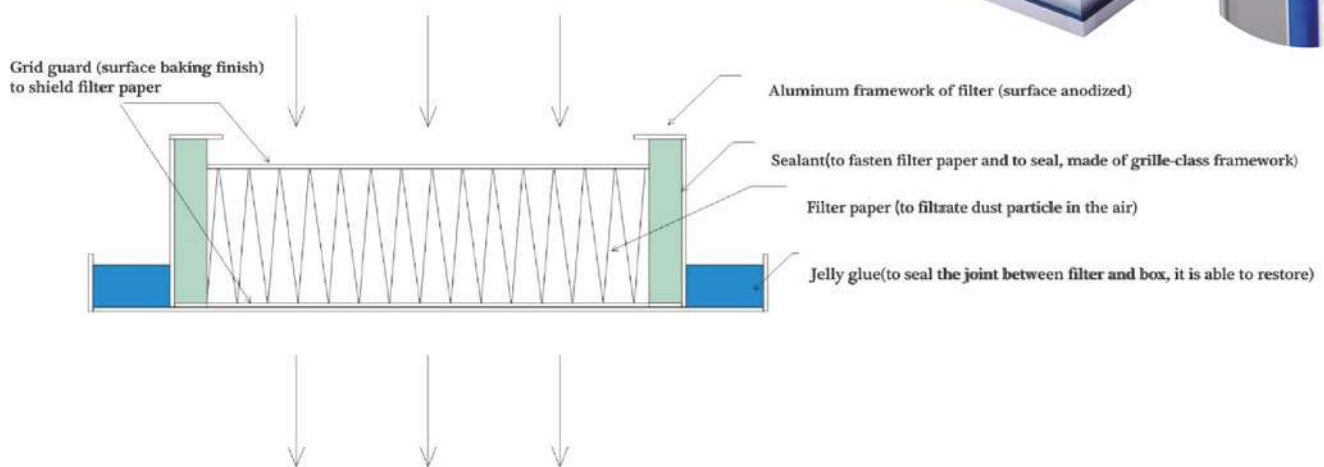
Gel sealed HEPA filter

Product description:

The liquid seal filter is an ideal terminal filter for industrial clean rooms and biological clean rooms, and it is also an ideal matching filter for other purification equipment. Liquid sealing is a method superior to conventional mechanical compression device sealing.

Product features:

Product features: The liquid sealing filter is easy to install, and the sealing is very reliable. It is the most widely used high-efficiency filter sealing method in the world.



Product model and parameters

Model	Filter dimension(mm)	Rated air volume (m ³ /h)	Initial resistance(Pa)	Filter efficiency(%)
GKWG-5	412x412x93	500	≤250	≥99.999%
GKWG-10	631x516x93	1000		
GKWG-15	758x631x93	1500		
GKWG-20	1026x631x93	2000		

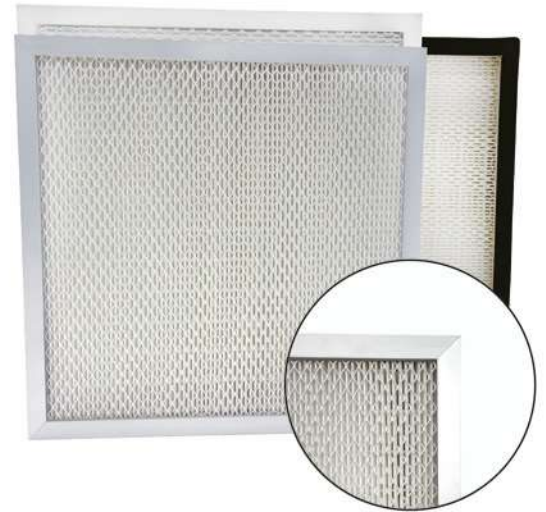
Mini-pleated Hepa filter

Product description:

The mini-pleated HEPA filter is made of ultra-fine glass fiber as filter material, hot-melt adhesive as separator, assembled with various outer frames, and has a beautiful appearance.

Product features:

Compared with deep-pleated HEPA filter, under the same air volume conditions, it has the advantages of small and light.



Product model and parameters

Model	Dimension (mm)	Thickness (mm)	Rated air volume (m ³ /h)	Initial resistance (Pa)	Filter efficiency (% , Sodium flame)
GKYS-1.8SA-E	305x305	50	180	≤180	≥99.99
GKYS-2.5SA-E	305x305	69	250		
GKYS-3SA-E	305x305	80	300		
GKYS-7SA-E	610x610	50	700		
GKYS-10SA-E	610x610	69	1000		
GKYS-11SA-E	915x610	50	1100		
GKYS-13SA-E	610x610	80	1300		
GKYS-15SA-E	915x610	69	1500		
GKYS-19SA-E	915x610	80	1900		
GKYS-20SA-E	915x610	90	2000		
GKYS-21SA-E	915x610	100	2100		

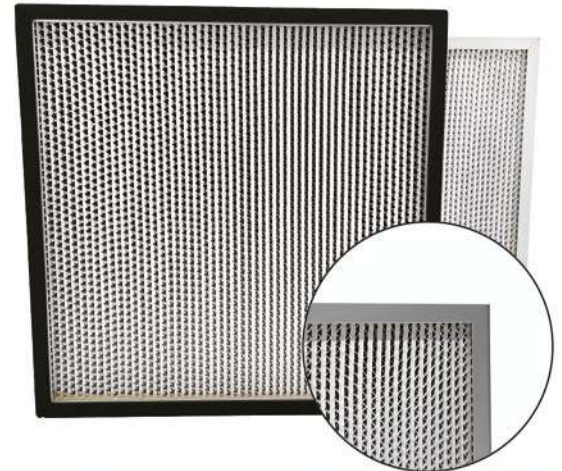
Deep-pleated HEPA filter

Product description:

The deep-pleated HEPA filter is made of ultra-fine glass fiber as filter material, plastic paper and aluminum plate as partition, and glued with galvanized outer frame or aluminum alloy frame, and stainless steel can also be used as frame. Widely used in various local purification equipment and clean-room workshops.

Product features:

High efficiency, small resistance, large air volume.



Product model and parameters

Model	Dimension (mm)	Thickness (mm)	Rated air volume (m ³ /h)	Initial resistance (Pa)	Filter efficiency (% Sodium flame)	Dust holding capacity (g)
GK-5MA	320x320	220	500	≤220	≥99.99	350
GK-5MB	305x610	150				400
GK-8M	600x600	150	800			500
GK-10MA	484x484	220	1000			600
GK-10MB	610x610	150				750
GK-12M	820x600	150	1200			900
GK-15MA	630x630	220	1500			750
GK-15MB	726x484	220				850
GK-15MC	915x610	150				1200
GK-20MA	968x484	220	2000			1200
GK-20MB	1220x610	150				1400
GK-22M	945x630	220	2200			1800
GK-30M	1260x630	220	3000			

Operation room laminar air flow ceiling HEPA filter

Product description:

The special filter for laminar air supply ceiling uses a deep-pleated HEPA filter.

Product model and parameters

- **Model:** ZJ-ORLAFC
- **Size :** 610*305*292 mm
- **Filter efficiency:** 99.999%
- **Initial resistance:** ≤220 Pa
- **Rated air volume:** 1000 m³/h
- **Frame material :** galvanised sheet or aluminium sheet or Customised.





Cleanroom engineering supporting products



Aluminum alloy return/supply air louver

Product description:

The supply/return air louvers are used for the supply or return air of the ventilation system to the room. It can be customized the blades styles, such as return air blades, 0-degree blades, 30-degree blades, single-layer or double-layer adjustable blades, etc. It can be customize the structure ,such as removable type, hinges type and the fixed type structure. It can also be used together with nylon mesh, OBD, primary efficiency filter and medium efficiency filter, so as to adjust the airflow direction, air volume and Filtration.

Product features:

Custom sizes and styles, and the surface finish can be powder coating or mill finish.



Square Diffuser



Hinged air return louver



Adjustable double deflection louver



Waterproof louver



Adjustable single deflection louver



Fixed return louver

SUS return air louver

Product description:

The supply/return air louvers are used for the supply or return air of the ventilation system to the room. It can be customized the blades styles, such as return air blades, 0-degree blades, 30-degree blades, single-layer or double-layer adjustable blades, etc. It can be customize the structure ,such as removable type, hinges type and the fixed type structure. It can also be used together with nylon mesh, OBD, primary efficiency filter and medium efficiency filter, so as to adjust the airflow direction, air volume and Filtration.

Product features:

- 1.Custom sizes and styles.
- 2.Stainless steel material is Wipe-resistant and corrosion-resistant.



Note: this picture is SUS air diffuser.

Water Eliminator

Product description:

The outer frame of the water eliminator plate is galvanized sheet, aluminum alloy and stainless steel plate can also be used, and the inner leaf is aluminum alloy material, which can be customized according to customer requirements.



Manual multi-blade air damper



Product description:

The manual multi-blade air damper is generally installed in a square or rectangular air duct. The opening and closing angle of the blade is controlled by a mechanism connected to the handle to control the air volume. The manual multi-blade air damper has two styles: manual and motorized.

Model selection:



Manual multi-blade air damper



Electrical air volume regulating damper



Turbine regulating damper



Manual five gear air volume regulating damper

Closed air volume regulating damper



Product description:

The closed air volume control damper is generally installed in a square or rectangular air duct, and the opening and closing angle of the blade is controlled by a mechanism connected to the handle to control the air volume. It newly installs silicon steel sheets to improve airtight performance. The closed air volume control damper is available in two styles: manual and motorized.

Electric aluminum leakage air damper

Product description:

The electric aluminum leakage air damper mainly used in the central air-conditioning unit system requiring small leakage, such as air supply damper, return air valve, air mixing damper and fresh air damper.



Low-leakage air damper

Product description:

The low-leakage air damper is used as a precision central air conditioner to adjust the air volume. The material is mainly galvanized sheet. It is installed in the center of the central air conditioning unit system, the air supply damper, the return air damper, the mixed air valve and the fresh air damper, and the sealing performance is higher than the ordinary closed damper.



Closed air volume regulating damper

Product description:

The rectangular duct check damper is installed horizontally in the air duct or air-conditioning duct. When the fan stops, it prevents the gas from flowing back and plays a single-side check role, but the wind speed in the air duct is required to be no less than 8m/s.



Thin fire retardant coating positive pressure damper

Product description:

1. The thin fire retardant coating positive pressure damper is especially suitable for installation in the color steel plate partition wall of the clean room. And automatically adjusts the pressure difference between the two rooms. It has the advantages of flexible rotation, tight closing, convenient adjustment, and no energy consumption.
2. The our positive pressure damper is designed on the basis of ordinary positive pressure damper with reference to the latest foreign models, and can be used in 40mm-70mm color steel plate partitions.
3. Its appearance is beautiful and novel, and it is the variety with the best shape and performance among the domestic positive pressure damper.
4. The motion pressure is 5-15Pa.



Gravity-operated fire damper

Product description:

In general ,the fire damper is installed in the duct of ventilation or air-conditioning systems which have requirements for fire fighting,and open as usual. The fire damper can be closed by hand at 70°C or 280°C。 The fire damper can be reset to turn on by hand.

Product features:

- 1.Pull the rope by hand to close the valve on fire signal.
- 2.At 70°C or 280°C,the valve close the valve automatically.
- 3.It is allowed to bring the valve closure signal to the control center according to requirement of the customer.
- 4.This damper is not attached with five-gear regulation and not can be operated by electricity.



Smoke fire Exhaust motorized damper

Product description:

It is installed on the pipe of the exhaust system or at the suction port of the exhaust fan. Normally open, automatic or manual start, 280 °C automatic shutdown, manual reset. When installing in a suspended ceiling, inspection holes should be provided under both sides of the valve.

Product features:

1. It can be closed according to the fire signal or manually pulling the valve.
- 2.Sensitive switch output valve closing signal and fire linkage control cable. The control center controls the smoke exhaust fan to start, and opens the ventilation and air conditioning systems.
3. When the flue gas temperature is 280°C, the temperature fuse will control the valve to be closed, and the exhaust machine to be stop.



Exhaust damper

Product description:

The exhaust valve is installed on the wall or of the buildings as the exhaust port of the draft system or the air supply port of the pressurized air-supply and smoke-proof system.

Product features:

- 1.It is closed as usual, which is opened by electrical signal (smoke sensing) or long-distance electrically or manually, and is reset by hand.
- 2.The microswitch outputs the signal, which is interlocked with fire-fighting system and other equipments.
- 3.The exhaust valve is equipped with the aluminum-alloy decorative face.



Plate exhaust port

Product description:

The plate exhaust port is installed in the aisle or room, or at the exhaust port of the exhaust system of the windowless room, or on the surface of ceiling, or at the surface decoration on the top of the side wall.

Product features:

- 1.This port is closed as usual. Open or close the device automatically or manually through the R&D long-distance rope; it is interlocked with the fire signal to open the plate exhaust port automatically, or open it manually by press the button on the R&D.
- 2.The microswitch outputs the plate exhaust port opening signal and the linked control line, and the fire fighting control center controls the starting of the draft fan, and closes the ventilation and air-conditioning system.



Operating Devices and Function Sheets for Fire and Smoke Exhaust Products

NO.	Model	Name	Functional Code	Function	Contour	Specification AxB(mm)	Normal state
0	FHW-0	Gravity operated firewall	/	Close at 70°C (or 280°C) automatically, signal output device can be added, applicable to horizontal air flow, vertical air flow, large and medium duct and in the firewall.	Rectangular	250x250-2000x1250	Opening as usual
1	FHW-1	Fire valve	FD	Close at 70°C (or 280°C) automatically or manually, signal output device can be added, reset by hand.	Rectangular	250x250-2000x1250	Opening as usual
2	FHW-2	Fire regulating valve	FVD	Close at 70°C (or 280°C) automatically or manually, reset by hand, fire-gear air volume regulation, output signal.	Rectangular	250x250-2000x1200	Opening as usual
3	FHW-3	Smoke-proof fire regulating valve	SFVD	Electrical signal closure at 70°C (or 280°C) automatically or manually, reset by hand, fire-gear air volume regulation, output signal.	Rectangular	250x250-2000x1250	Opening as usual
4	FHW-4	Fire regulating valve	FVD	Close at 70°C (or 280°C) automatically, continuous regulation of air volume, reset by hand, signal output device can be added.	Rectangular	320x200-630x250	Opening as usual
5	FHW-5	Smoke-proof fire regulating valve	SFVD	Electrical signal closure at 70°C (or 280°C) automatically or manually, reset by hand, fire-gear air volume regulation, signal output device can be added.	Round	D280-D1000	Opening as usual
6	FHW-6	Fire valve	FD	Close at 70°C (or 280°C) automatically or manually, reset by hand, signal output device can be added.	Round	D280-D1000	Opening as usual
7	FHW-7	Fire regulating valve	FVD	Close at 70°C (or 280°C) automatically or manually, reset by hand, fire-gear air volume regulation, signal output device can be added.	Round	D280-D1000	Opening as usual
8	FHW-1	Smoke damper	SD	Electrical signal opening manually, reset by hand, output signal.	Rectangular	250x250-2000x1250	Closing as usual
9	FHW-2	Smoke fire damper	SFD	Electrical signal opening manually, reclose at 280°C, reset by hand, output signal.	Rectangular	250x250-2000x1250	Opening as usual
10	FHW-4	Remote-control smoke damper	BSD	Electrical signal opening, long-distance opening manually, reset by hand, output signal.	Rectangular	250x250-2000x1250	Closing as usual
11	FHW-5	Remote-control smoke fire damper	BSFD	Electrical signal opening, long-distance opening manually, reclose at 280°C, reset by hand, output signal.	Rectangular	250x250-2000x1250	Closing as usual
12	FHW-1	Plate exhaust port	BSD	Electrical signal opening, long-distance opening manually, reset by hand, output signal.	Rectangular	320x320-400x400-800x800	Closing as usual
13	FHW-2W	Remote-control horizontal multi-vane exhaust port	BSD	Electrical signal opening, long-distance opening manually, reset by hand, output signal.	Rectangular	500x500-1600x1000	Closing as usual
14	FHW-2L	Remote-control vertical multi-vane exhaust port	BSD	Electrical signal opening, long-distance opening manually, reset by hand, output signal.	Rectangular	500x500-1000x1600	Closing as usual
15	FHW-2AW	Horizontal multi-vane exhaust port	SD	Electrical signal opening, opening manually, reset by hand, output signal.	Rectangular	500x500-1600x1000	Closing as usual
16	FHW-2AL	Vertical multi-vane exhaust port	SD	Electrical signal opening, opening manually, reset by hand, output signal.	Rectangular	500x500-1000x1600	Closing as usual
17	FHW-3W	Remote-control horizontal multi-vane fire exhaust port	BSFD	Electrical signal opening, long-distance opening manually, reclose at 280°C, reset by hand, output signal.	Rectangular	320x320-1600x1000	Closing as usual
18	FHW-3L	Remote-control vertical multi-vane fire exhaust port	BSFD	Electrical signal opening, long-distance opening manually, reclose at 280°C, reset by hand, output signal.	Rectangular	320x320-1000x1600	Closing as usual
19	FHW-3AW	Horizontal multi-vane fire exhaust port	SFD	Electrical signal opening, opening manually, reclose at 280°C, reset by hand, output signal.	Rectangular	320x320-1600x1000	Closing as usual
20	FHW-3AL	Vertical multi-vane fire exhaust port	SFD	Electrical signal opening, opening manually, reclose at 280°C, reset by hand, output signal.	Rectangular	320x320-1000x1600	Closing as usual

Note:

The letter of the code of function means: F indicates the "strip fuse operation", V indicates the "function of volume regulation", S indicates the "solenoid operation", D indicates the "function of reset manually", B indicated the "function of long-distance cable control and opening manually".

WX double-layer micropunch plate muffler

Product description:

The WX double-layer micropunch plate muffler is widely used in noise reduction, such as ventilation, air conditioning system, low pressure fan, aerodynamic and so on.

It is widely used in special environments, such as high floor hotels, purification workshops of factories, sterile rooms, food hygiene Ventilation and Air Conditioning Systems, high temperature, high-speed airflow, moisture, and dust. Customized.

Product features:

1. WX type in the low, medium and high frequency circumstance, its noise reduction is flat and large, especially in the low frequency circumstance.
2. The outer tube is made of galvanized metal plate, the inner tube is made of thin metal plate (drilled with micro-holes with a diameter of less than 1mm and a perforation rate of 1-5%), and the inner and outer tubes are reinforced and fixed by a grooved skeleton. Through the organic combination of different perforation rates on the micro-perforated plate and different cavity depths behind the plate, a relatively good noise reduction effect can be obtained in a wider frequency band.



Arc-shape air duct elbow

Product description:

The arc-shape air duct elbow is widely used in noise reduction, such as ventilation, air conditioning system, low pressure fan, aerodynamic and so on.

It is widely used in special environments, such as high floor hotels, purification workshops of factories, sterile rooms, food hygiene Ventilation and Air Conditioning Systems, high temperature, high-speed airflow, moisture, and dust.

Product features:

1. The arc-shape air duct elbow has the same function as rectangular air duct elbow. In contrast, its airflow is smoother, and the resistance and loss are smaller.
2. It can be installed vertically or horizontally.
3. The standard wall thickness is 100mm, and the standard radius of the inner arc is 300mm. When placing an order, it is necessary to indicate size of A*B, so that distinguish vertical installation or horizontal installation to ensure accurate production.



T701-6 Rectangular Resistance Compound Anti-noise Muffler

Product description:

T701-6 rectangular resistance compound anti-noise muffler is broadly used in the ventilation air conditioner currently, which has the characteristic of wider anti-noise frequency. There are 10 specifications in total.

Resistance loss: 2mm H₂O (air speed 6m/s).





Stainless steel product



Stainless steel product



Stainless steel Electrical outlet box



Stainless steel atomic absorption hood



Stainless steel cart



Stainless steel handcart



Stainless steel storage rack



Stainless mop pool



Stainless steel sanitary hook rack



Stainless steel workbench

Stainless steel product



Stainless steel shoe cabinet



Stainless steel shoes-changing bench



Stainless steel cabinet



Stainless steel wash basin



Stainless steel autopsy table



Stainless steel sink



Stainless steel desk table



Stainless steel wardrobe cabinet



Stainless steel medical washstand