



HEMRICORE SOLUTION PVT LTD

CATALOG

Trusted Cleanroom Equipment Manufacturing
Company

www.hemricore.com



INTRODUCTION

Welcome to Hemricore.in – Pioneering Excellence in Cleanroom & Controlled Environment Solutions

At Hemricore, we specialize in providing high-quality, innovative solutions for cleanrooms and controlled environments. With a firm commitment to excellence, we cater to industries that require stringent standards of hygiene, safety, and quality. Our extensive range of products, including laminar airflow systems, biosafety cabinets, air showers, and cleanroom furniture, are designed to meet the specific needs of sectors like healthcare, pharmaceuticals, electronics, biotechnology, and more.

Our team at Hemricore is dedicated to ensuring that each product not only meets global standards but also addresses the unique challenges faced by our clients. Whether you are constructing a new facility or upgrading an existing one, Hemricore offers the expertise and products to create an environment that fosters innovation and safety.

We take pride in offering customizable solutions that are tailored to your exact specifications. Our advanced technologies, paired with years of industry experience, make us your trusted partner in creating clean, sterile, and efficient spaces. At Hemricore, we believe in building long-lasting relationships with our clients, ensuring that they receive not only top-quality products but also exceptional customer service.

Explore our diverse range of products, and let us help you create the perfect controlled environment for your business. Hemricore is where quality meets reliability, and safety is always a priority.

ISO 9001:2015

CERTIFIED ORGANISATION



02. ...

APPLICATIONS



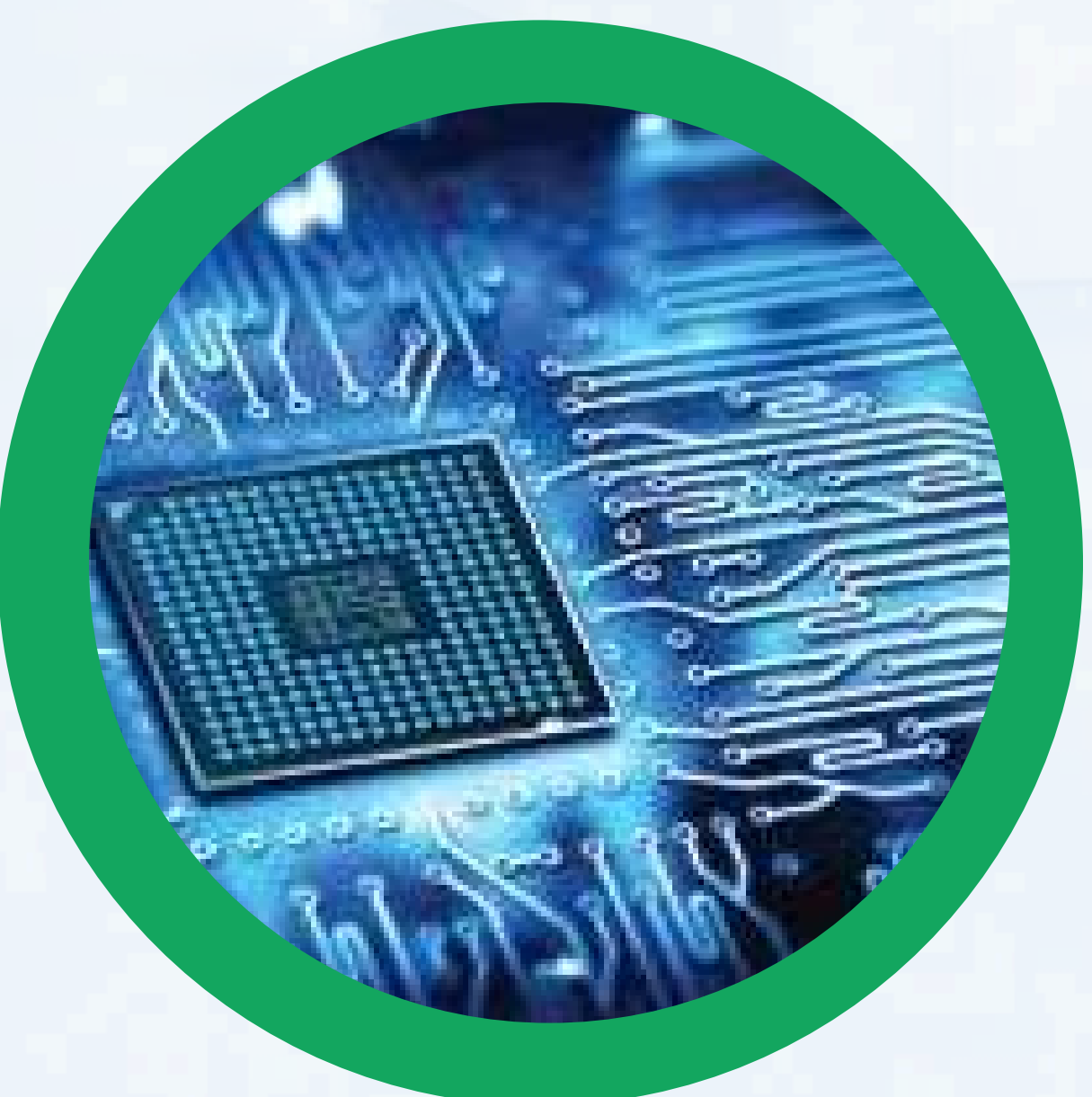
**Pharmaceutical
Industry**



**Chemical Research
laboratory**



**Electronic
Industry**



**Semi-Conductor
Production**



**Food Processing
Industry**



**Hospital
Segments**

02. ...

About Us

At Hemricore Solution Pvt. Ltd., we believe that precision, performance, and trust are the true foundations of cleanroom excellence. Established in 2025 in prayagraj , we have rapidly grown into a reliable cleanroom equipment manufacturing company, driven by technology-led design, data-backed engineering, and uncompromising quality across industries.

Our Mission

Our mission is to manufacture products that are precise, reliable, and tailored to the evolving needs of industries. With a strong focus on social contribution, we aim to bring value and trust to everyone we serve. Guided by our motto Purity at its finest we remain committed to excellence in every detail.

Our Vision

Since 2025, Hemricore Solution Pvt. Ltd. has envisioned delivering world-class products for cleanroom, hospital, and pharmaceutical applications. By embracing best practices and advanced manufacturing technologies, our goal is to become a globally recognized leader in contamination control powered by innovation, skilled talent, and sustainable methods.



03. ...

AIR SHOWER



Configuration option

- | | |
|--|----------------------------|
| 1. All SS304 | 4. Double blows air shower |
| 2. All SS201 | 5. Three blows air shower |
| 3. Inside power coating, outside stainless steel | 6. Automatic door device |

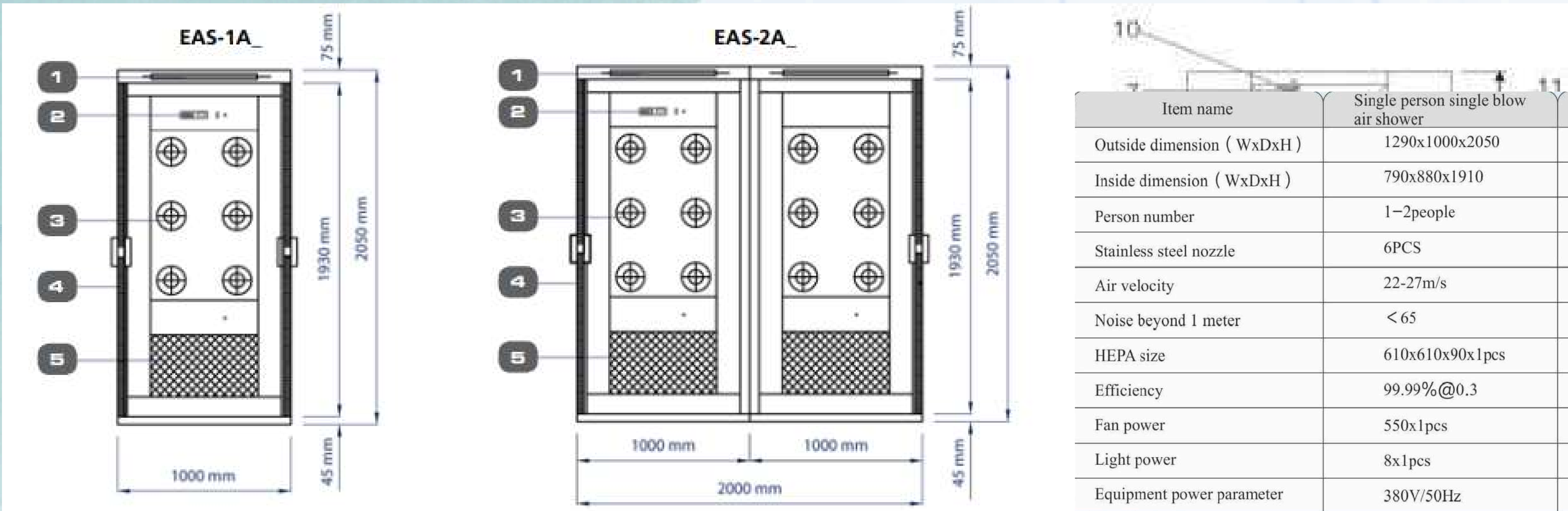
Air shower is a necessary passage for person or goods entering into the clean room in order to minimize the amount of particulate contaminants.

Voltage: 120/220/380V for your option, H13 hepa filter, 0–99s adjustable, air velocity: 20–25m/s, SS nozzle, English voice control panel, Automatic sense.

YANING Brand automatic and high technology smart air shower system with voice prompts, automatic voice prompts people to complete the entire sequence of blowing dust process, giving a kind of intimacy and achieve effective purification result.

It has air shower, cargo air shower, automatic door air shower, Explosion protection air shower, stainless steel air shower, air shower channel, cargo air shower channel, three blows air shower, single blow air shower, double air shower, L style air shower etc.

● Illustration



INSTRUCTION:

1. large air volume fan

2. . prefilter

3. nozzle

4. HEPA

5. Stainless steel door

6. Indicator light
7. Door closer

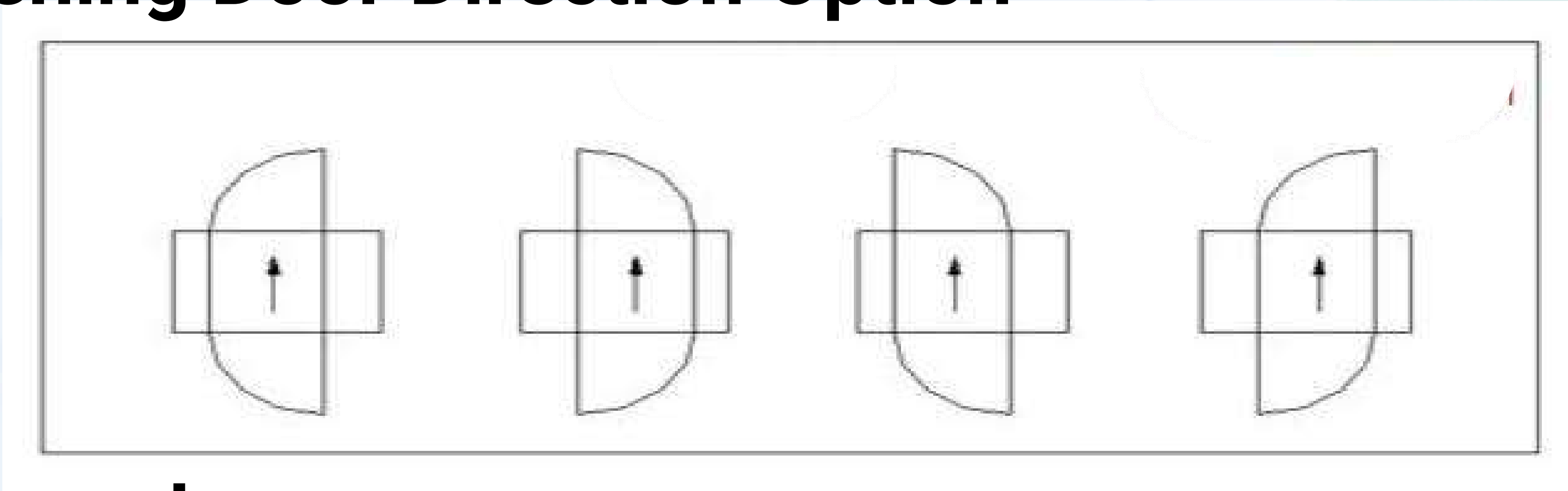
8. Infrared sensor

9. English voice control panel

10. Electronic lock

11. Emergency stop switch

● Opening Door Direction Option



● Parameters

Item name	Single person single blow air shower	Single person double blow air shower	Double persons double blow air shower	Air shower tunnel
Outside dimension (WxDxH)	1290×1000×2050	1290×1000×2050	1290×2000×2050	1290×5000×2050H
Inside dimension (WxDxH)	790×880×1910	790×880×1910	790×1860×1910	790×4880×1910H
Person number	1-2 people	1-2 people	2-4 people	Tunnel
Stainless steel nozzle	6 pcs	12 pcs	24 pcs	60 pcs
Air velocity	22-27 m/s	22-27 m/s	22-27 m/s	22-27 m/s
Noise beyond 1 meter	< 65	< 65	< 65	< 65
HEPA size	610×610×90×1 pcs	610×610×90×1 pcs	610×610×90×2 pcs	610×610×90×5 pcs
Efficiency	99.99% @0.3	99.99% @0.3	99.99% @0.3	99.99% @0.3
Fan power	550×1 pcs	1100×1 pcs	1100×2 pcs	1100×5 pcs
Light power	8×1 pcs	8×1 pcs	8×2 pcs	8×5 pcs
Equipment power parameter	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz

05. ●●●

● Cargo Air Shower



Concealed double opening
Auto door cargo Shower



Fast rolling curtain door
cargo shower



Double opening slip door
cargo shower

● Auto Door Cargo Shower Working Process

Enter the cargo shower process:

Enter induction area - Open the door(into) - Enter shower room - close the enter door(into)

Start shower - shower done - open door(out) - cargo out shower room - close the door -shower down

Note:

Opening door option: 1. Infrared Induction
2. Inching Switch

Full Automatic cargo shower

From unclean room to clean room:

1. from unclean area to the air shower outer
2. into sensing area, the door auto-opening
3. person or cargo into the air shower, the door closed at a set time
4. infrared sensor start working, auto-showering
5. completed showering at a set time, then exit door opened, get out
6. exited the air shower, exiting door auto closed, back to standby

From clean room to unclean room:

1. from clean area to the air shower inner door
2. into sensing area, the door auto-opening
3. person or cargo into the air shower, the door closed at a set time
4. walked through sensing area, the front door opened, get out
5. exited the air shower, exiting door auto closed, back to standby

Fast rolling curtain door cargo shower

Air shower clean room

Clean Equipment for clean room;

Automatic sensing open door;

For cargo air cleaning.

As commonly used as partial purification equipments, these series, which are used to remove the dust on personnel or goods, to minimize the amount of particulate contaminants and to make the staff work normally, are usually installed in the entrance of clean rooms.

Features:

1. Photoelectric sensor, automatic door moving
2. With PLC controlling, to effectuate automatic blowing
3. Designed with cyclical pattern to ensure the purification of the air shower

Note: Three air blowing sides are available.

Parameters:

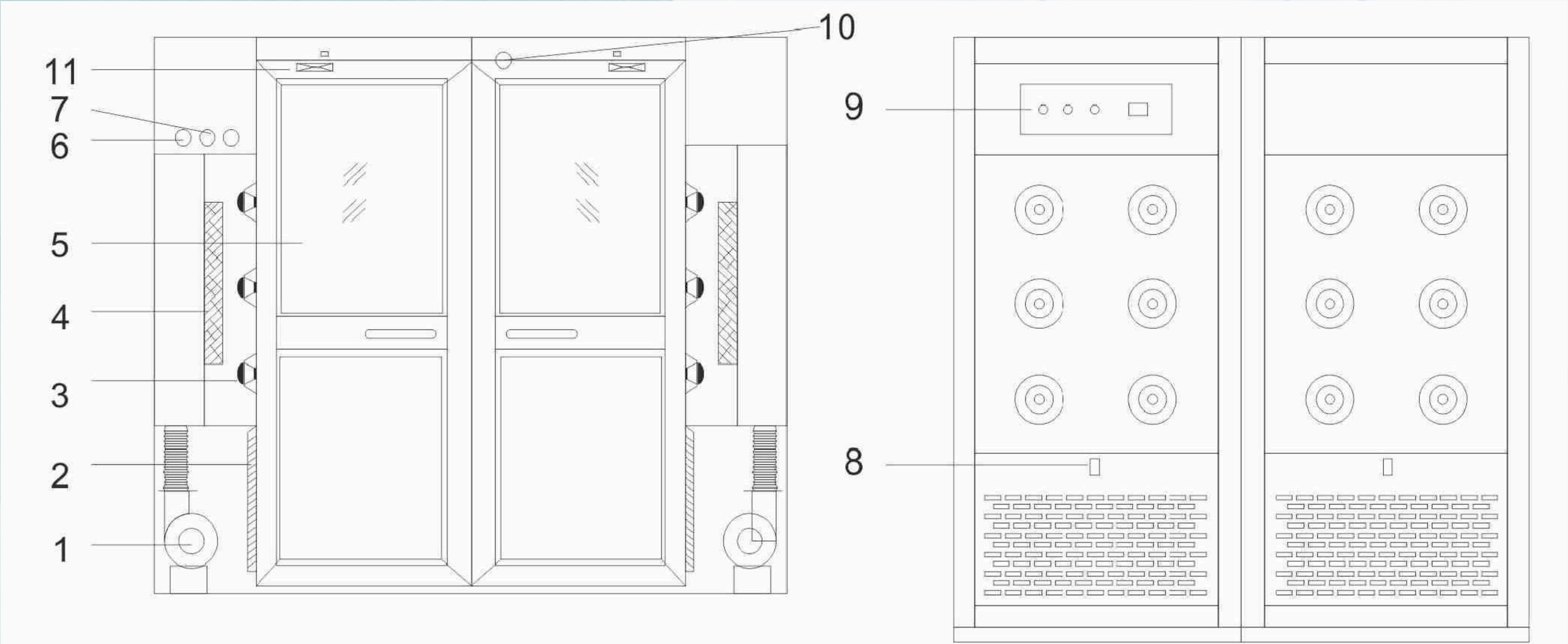
1. Filter Efficiency: ≥ 99.99 on $0.3\mu\text{m}$
2. Air Velocity: $> 20\text{m/s}$
3. Power Source: AC 3N 380V 50Hz
4. Noise: $\leq 80\text{Db}$
5. Showering time: 1-99S (Adjustable)

Double-open Swing Door Cargo Air Shower

Double-door cargo air shower is necessary passage for goods entering into the clean room in order to minimize the amount of particulate contaminants. Cargo air shower with four doors electronic interlock so also played "gas chamber" effect, to prevent outside contamination and has not been purified air into the clean area

Note: can do double swing door automatically opening type

● Illustration



1. Special Motor
2. Pre-Filter
3. Nozzle
4. HEPA Filter H13
5. Door
6. Indicator Light
7. Emergency Switch
8. Emergency Switch
9. Control Panel
10. Electronic Lock
11. Door Closer

● Cargo Air Shower Configuration Option

1. Full SS 304
2. Full SS 201
3. Out: powder coat steel ,In: SS 304
4. Double Blow Air shower
5. Three Blow Air Shower
6. Automatic Door
7. Manual Double Opening Door
8. Automatic Slip Door
9. Fast Roll Curtain Door

● Parameter

Name	HS-1500	HS-2000	HS-2300	HS-Tunnel
Outside dimension (WxDxH)	1800×1500×2180	2000×1500×2180	2300×2000×2180	1800W×4000D×2180H
Inside dimension (WxDxH)	1300×1380×1980	1500×1380×1980	1800×1880×1980	1300W×3880D×1980H
SS Nozzle	18 pcs	18 pcs	24 pcs	48 pcs
Air velocity	22–27 m/s	22–27 m/s	22–27 m/s	22–27 m/s
Noise	< 65	< 65	< 65	< 65
Filter Size (mm)	610×610×90×2 pcs	610×610×90×2 pcs	610×610×90×4 pcs	610×610×90×8 pcs
Filter Efficiency	99.99% @0.3	99.99% @0.3	99.99% @0.3	99.99% @0.3
Motor Power (W)	1100×2 pcs	1100×2 pcs	550×4 pcs	550×8 pcs
Light Power (W)	8×1 pcs	8×1 pcs	8×2 pcs	8×4 pcs
Power Supply	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz

07. ...

● Pass Box

The pass box is a special equipment for transferring items between different levels of clean areas. It is possible to prevent the low clean area air from entering the high clean area effectively, effectively ensuring the cleanliness of the work area. The pass box is also equipped with electronic interlock or mechanical interlock function

The interlock device, Control the two door can't open in same time Note:
Choose any interlock type, need the UV light or not, must be mark

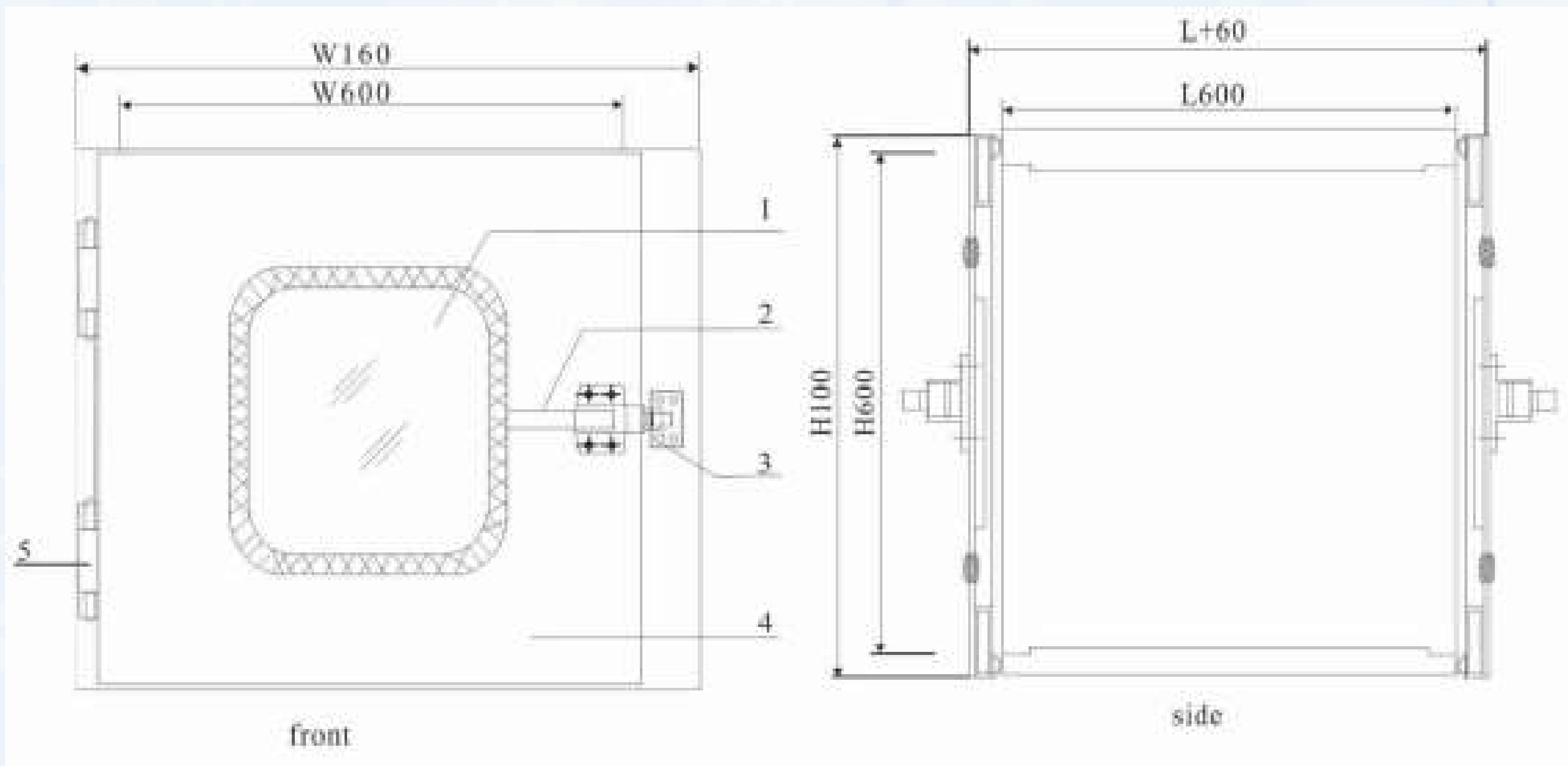


Standard mechanical Interlock pass box



Embedded door Stainless steel pass box

● Illustration



Description :

1. View-finder toughened glass
2. Handle
3. Mechanical Interlock
4. Door
5. Special Door Hinge

Optional Accessories:

1. Intercom Device
2. stainless steel material
3. UV Light
4. Roller

● Parameter

Model	YN-DL-500	YN-DL-600	YN-DL-800
External	660 × 500 × 600 mm	760 × 600 × 700 mm	960 × 800 × 900 mm
Internal	500 × 500 × 500 mm	600 × 600 × 600 mm	800 × 800 × 800 mm
Interlock Structure	Mechanical / Electronic Interlock	Mechanical / Electronic Interlock	Mechanical / Electronic Interlock
Material	High-quality Steel Plate Electrostatic Coat	High-quality Steel Plate Electrostatic Coat	High-quality Steel Plate Electrostatic Coat
Accessories	YES/NO UV light	YES/NO UV light	YES/NO UV light

● Clean Pass Box

Clean pass box as an auxiliary equipment for the clean room, Mainly use for transfer of small item between clean area and non-clean area, in order to reduce the clean room to open the door, the maximum reduction of clean area Of pollution. Applicable to semiconductor, microelectronics, optoelectronic technology, optical instruments, bio-pharmaceuticals, chemicals, food and other industrial and scientific research

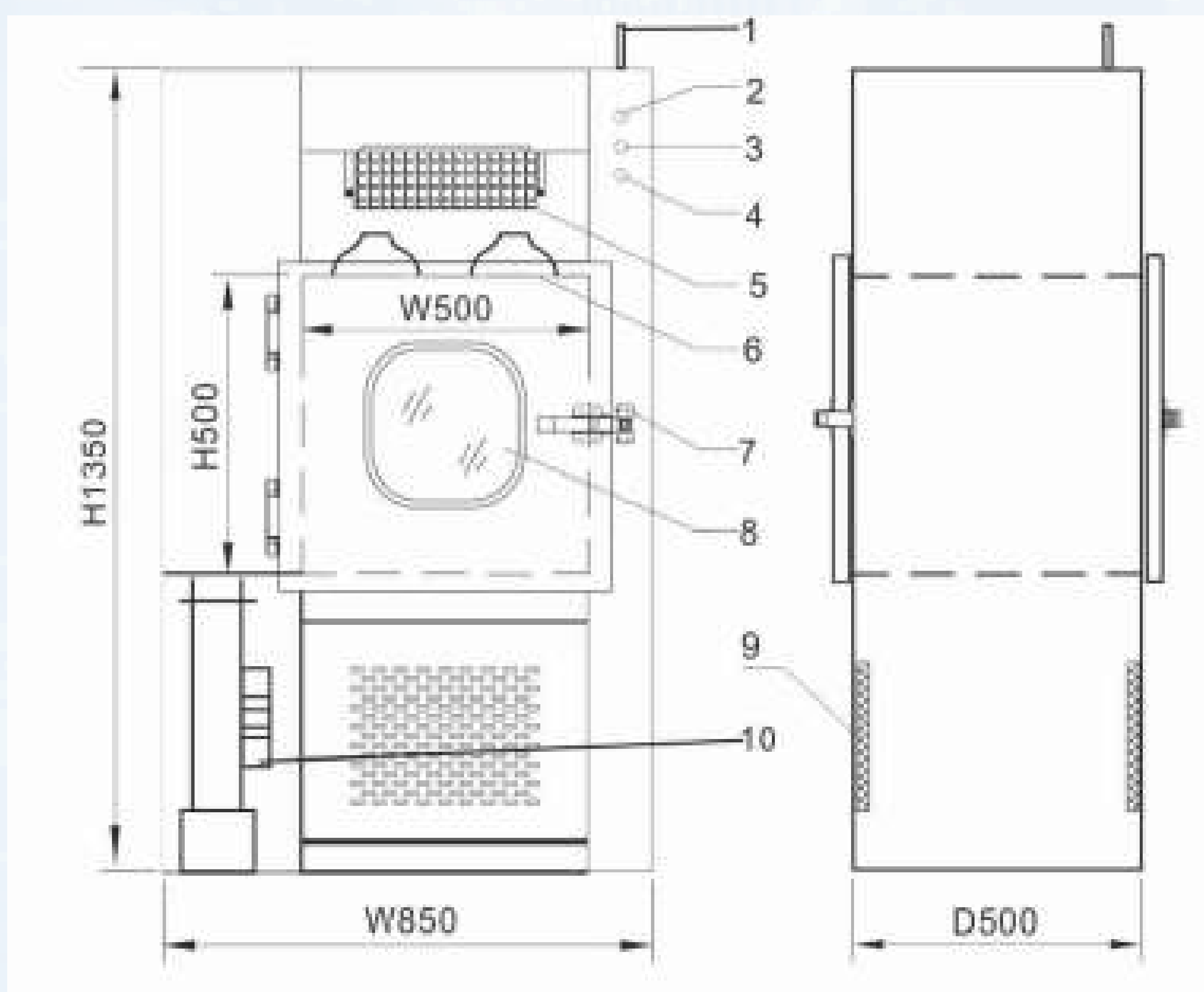


Air Shower Pass Box



Dynamic Pass Box

● Graphic Illustration



1. Power wire
2. Power light
3. Work Indication lamp
4. Emergency switch
5. HEPA filter
6. Nozzle
7. Handle
8. Tempered glass
9. Pre-filter
10. Motor

08. ●●●

● FFU

Fan Filter Unit (FFU) is a built-in fan ceiling unit for turbulence and laminar flow clean room. The unit is designed to be flexible and easy to use with some other suitable frame. When the filter adopts the embedded frame, This unit can also be used for liquid sealed ceiling skeleton, according to the design specifications, it can easily match any ceiling skeleton, in order to achieve 100-100000 level demand Single-phase motor, power 220V, 50Hz, save power.
Single-phase motor, power 220V/50Hz, save power.
Fan filter unit design is easy to install between the ceiling skeleton, the replacement filter is quick, convenient and simple.



Stainless steel FFU



Large air volume FFU

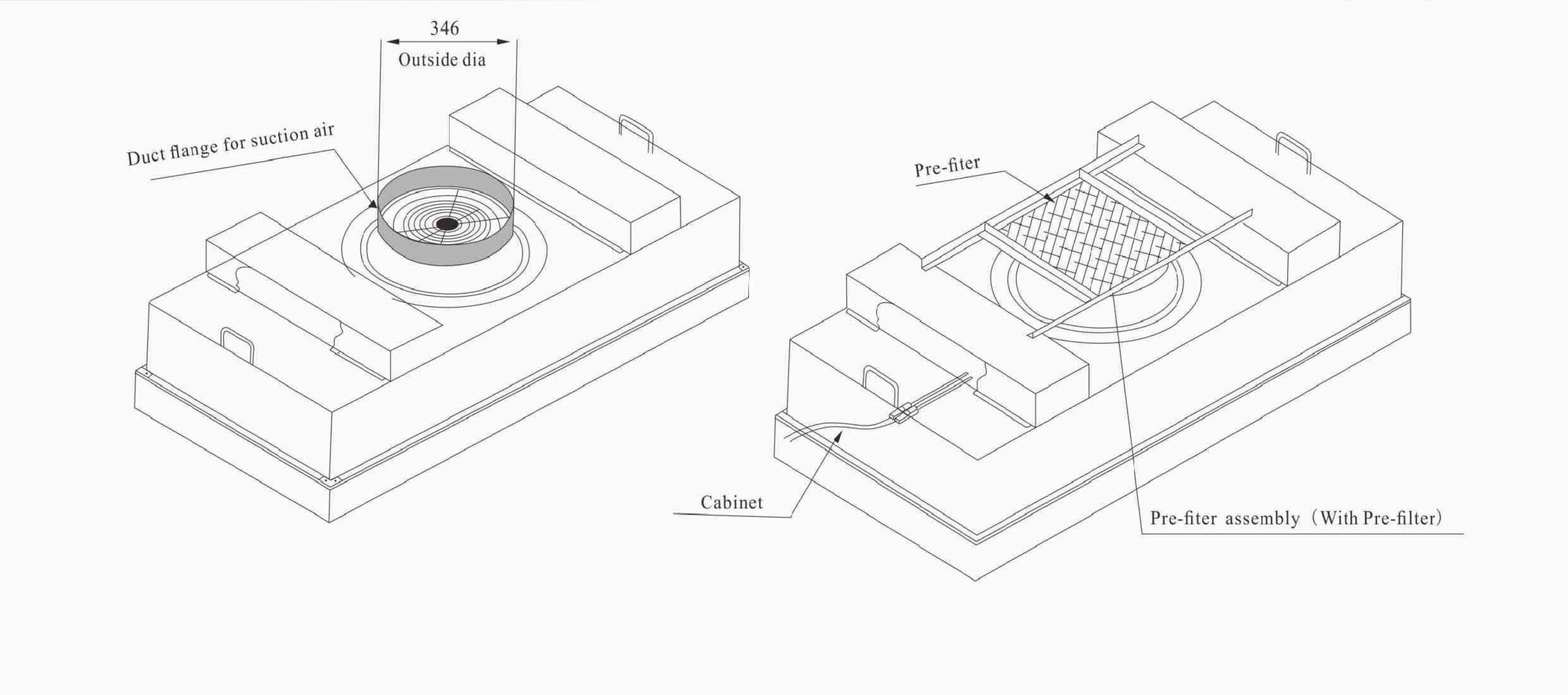


Galvanized sheet FFU



Steel powder coating FFU

● Graphic Illustration



● Parameter

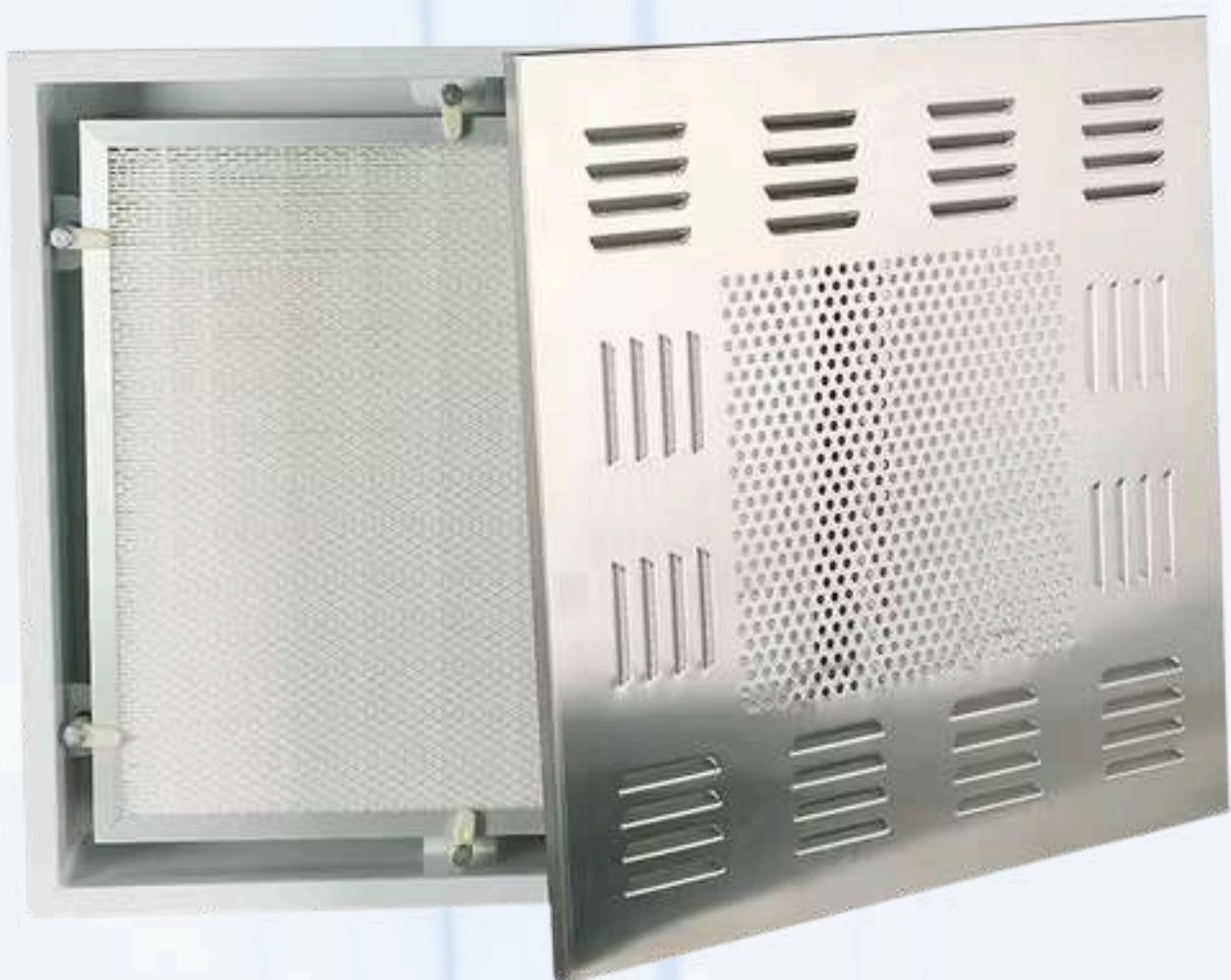
Model	HS-FFU-575	HS-FFU-1175	HS-FFU-875	HS-FFU-1175×2	HS-FFU-1475
Body Size (mm)	575×575×230 (W×L×H)	1175×575×230	875×875×230	1175×1175×230	725×1475×230
Filter Size (mm)	570×570×69	1170×570×69	870×870×69	1170×1170×69	720×1470×69
Air Value	5–12 CMM (500 M³/H)	12–16 CMM (1000 M³/H)	19–25 CMM (1500 M³/H)	19–25 CMM (2000 M³/H)	19–25 CMM (1500 M³/H)
Noise	48–54 dB(A)	48–54 dB(A)	50–56 dB(A)	52–58 dB(A)	50–56 dB(A)
Fan Full Pressure	210 Pa	210 Pa	220 Pa	220 Pa	220 Pa
Power	170 W	170 W	210 W	250 W	210 W
Weight	28 kg	35 kg	37 kg	55 kg	50 kg
Material	Powder coat / Galvanized Aluminum Plate / Stainless Steel 304	Powder coat / Galvanized Aluminum Plate / Stainless Steel 304	Powder coat / Galvanized Aluminum Plate / Stainless Steel 304	Powder coat / Galvanized Aluminum Plate / Stainless Steel 304	Powder coat / Galvanized Aluminum Plate / Stainless Steel 304
Power Supply	AC Single Phase 110V/220V 50Hz/60Hz / AC Single Phase 220V/380V 50Hz/60Hz	AC Single Phase 110V/220V 50Hz/60Hz / AC Single Phase 220V/380V 50Hz/60Hz	AC Single Phase 110V/220V 50Hz/60Hz / AC Single Phase 220V/380V 50Hz/60Hz	AC Single Phase 110V/220V 50Hz/60Hz / AC Single Phase 220V/380V 50Hz/60Hz	AC Single Phase 110V/220V 50Hz/60Hz / AC Single Phase 220V/380V 50Hz/60Hz
High Efficiency Power	Three Section Adjustable / Five Section Adjustable	Three Section Adjustable / Five Section Adjustable	Three Section Adjustable / Five Section Adjustable	Three Section Adjustable / Five Section Adjustable	Three Section Adjustable / Five Section Adjustable
Filter Efficiency	HEPA 0.3 μm 99.99% / ULPA 0.12 μm 99.999%	HEPA 0.3 μm 99.99% / ULPA 0.12 μm 99.999%	HEPA 0.3 μm 99.99% / ULPA 0.12 μm 99.999%	HEPA 0.3 μm 99.99% / ULPA 0.12 μm 99.999%	HEPA 0.3 μm 99.99% / ULPA 0.12 μm 99.999%
Work Condition	Power Indicator Switch / Fault Indicating Lamp	Power Indicator Switch / Fault Indicating Lamp	Power Indicator Switch / Fault Indicating Lamp	Power Indicator Switch / Fault Indicating Lamp	Power Indicator Switch / Fault Indicating Lamp
Overload Protection	Motor Controller Overload Protection Switch	Motor Controller Overload Protection Switch	Motor Controller Overload Protection Switch	Motor Controller Overload Protection Switch	Motor Controller Overload Protection Switch
Connection Type	Terminal Block / Male & Female Connector / Power Cord	Terminal Block / Male & Female Connector / Power Cord	Terminal Block / Male & Female Connector / Power Cord	Terminal Block / Male & Female Connector / Power Cord	Terminal Block / Male & Female Connector / Power Cord
Monitoring Contact	Reserved Run and Fault Dry Connection	Reserved Run and Fault Dry Connection	Reserved Run and Fault Dry Connection	Reserved Run and Fault Dry Connection	Reserved Run and Fault Dry Connection

● HEPA Box

The HEPA Box is the terminal filtration device for the renovation and construction of the clean room at the level of 1000-300000 level,which is the key equipment to meet the requirement of purification.It consists of static pressure box, HEPA filter, filter tube and diffused hole plate. It has the advantages of beautiful shape, simple structure and simple construction.

Features

- Material: Cold-roll steel ,Powder coat steel, Stainless steel 201/304
- Inlet air type: side and vertical supply air
- Flange structure type: Roundness & Square
- Other optional configuration: paste insulation cotton



Standard HEPA Box



Liquid Seal HEPA Box

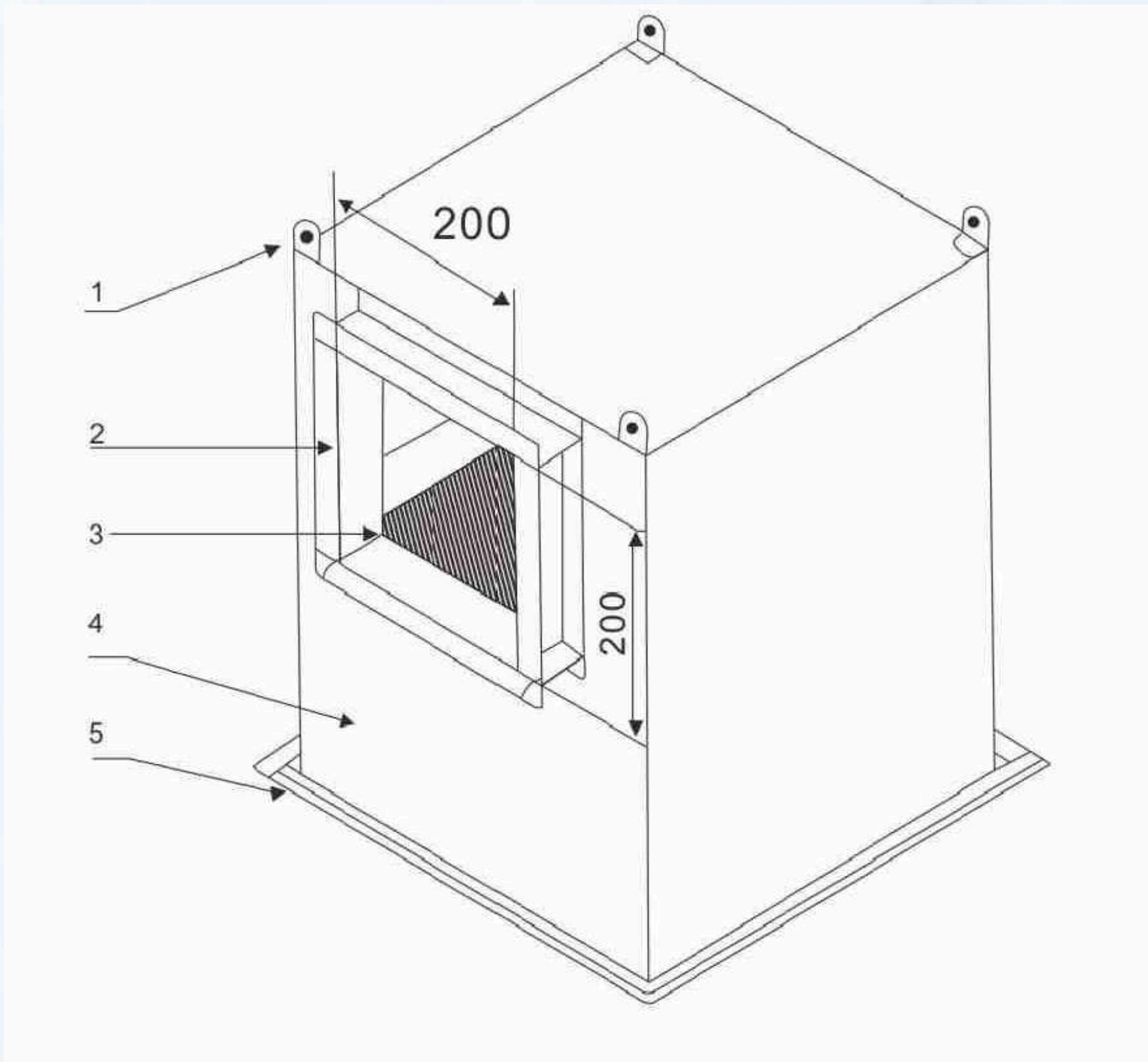


SS HEPA Box



Below the air outlet

● Graphic Illustration



Note:

- 1.Hanger
- 2.Flange
- 3.HEPA Filter
- 4.Cabinet
- 5.Diffuser

● Parameter

Model	Air Volume (m³/h)	Filter Size (mm)	(W×D×H) Out Dimension	(A×B) Flange Size
HS-HU-320 (C/D)	500	320 × 320 × 90	370 × 370 × 400	200 × 200
HS-HU-484 (C/D)	1000	484 × 484 × 90	534 × 534 × 400	320 × 200
HS-HU-610 (C/D)	1500	610 × 610 × 90	660 × 660 × 400	400 × 200
HS-HU-915 (C/D)	2000	915 × 610 × 90	965 × 660 × 400	500 × 200

11. ● ● ●

● Clean Bench

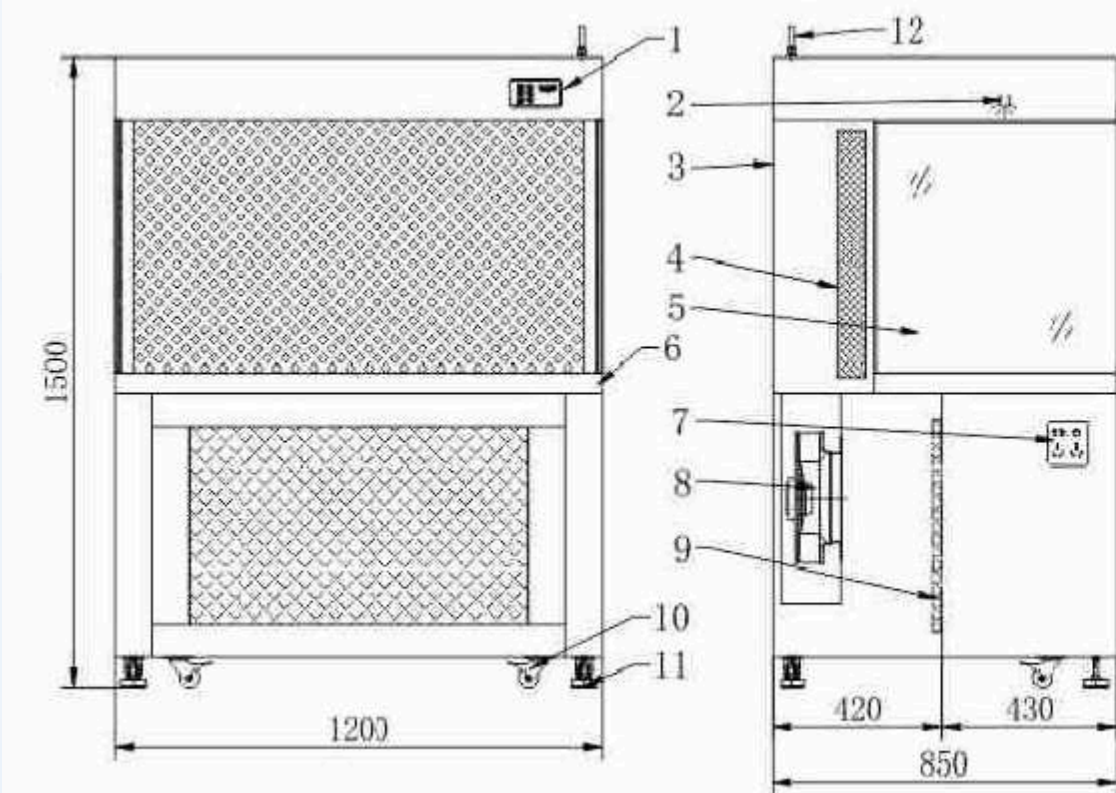
Clean bench is the use of efficient air purification unit, a higher level of manufacturing clean area f orlowlevel clean room, local work environment cleanliness requirements of the higher places, it ca n save a lot of initial inves tment and operating costs

FEATURES:

- 1. Horizontal flow and vertical flow types are available.
- 2. Imported stainless steel countertops and transparent glass side fences. They make the working area look more spacious and bright.
- 3. Countertops can be detached from the main construction which reduces the influence from main construction's vibrancy.
- 4. Air velocity can be adjusted; working voltage of fan can be adjusted with touch type switch so that the air velocity in the area will always remain a good state.

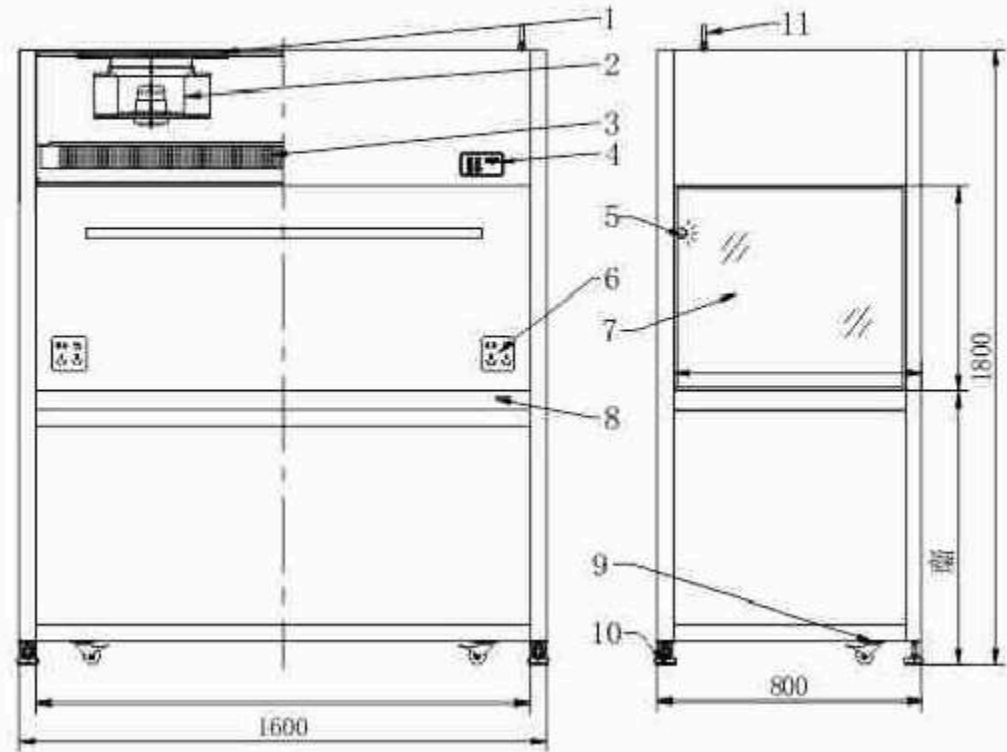


● Graphic Illustration



Description:

- 1. Control panel
- 2. Lamp
- 3. Back access panel
- 4. (H13)HEPA filter
- 5. (5mm)Tempered glass (5mm)
- 6. Stainless Steel work area
- 7. Sockets 2 pcs
- 8. (220V/50Hz)Fan
- 9. (G4) Pre-filter
- 10. Wheels (4pcs)
- 11. Leveling feet (4 pcs)
- 12. Power connector



Description:

- 1. Pre-filter
- 2. Fan (2 sets)
- 3. Filter
- 4. Control Panel
- 5. Lamp 1 pcs
- 6. Socket 2 pcs
- 7. Toughened glass
- 8. Stainless steel work area
- 9. Wheel 4pcs
- 10. Leveling feet 4pcs
- 11. Power wire

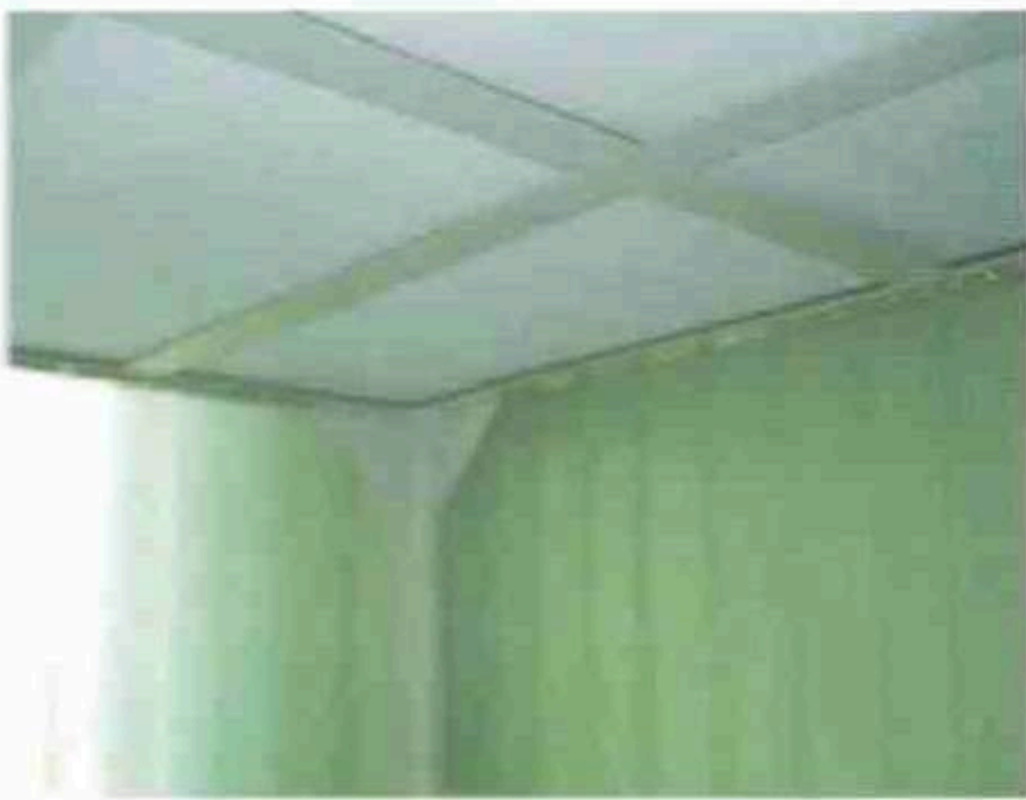
● Parameter

Item	Single Horizontal Clean Bench	Double Horizontal Clean Bench	Double Vertical Clean Bench
(W×D×H) External Size	1000 × 850 × 1500	1200 × 850 × 1500	1500 × 700 × 1800
(W×D×H) Work Area Size	970 × 600 × 600	1170 × 600 × 600	1400 × 650 × 600
Cleanliness	Class 100 @ 0.3 μm (USD Fed Standard 209E)	Class 100 @ 0.3 μm (USD Fed Standard 209E)	Class 100 @ 0.3 μm (USD Fed Standard 209E)
Rate Air Flow	1000 m³/h	1200 m³/h	1500 m³/h
Average Air Velocity	0.3 – 0.6 m/s	0.3 – 0.6 m/s	0.3 – 0.6 m/s
Filter Efficiency	99.99% @ 0.3 μm (≥ H13–H14)	99.99% @ 0.3 μm (≥ H13–H14)	99.99% @ 0.3 μm (≥ H13–H14)
Illumination	≤ 300 lx	≤ 300 lx	≤ 300 lx
Power	150 W	200 W	210 W
Noise	≤ 65 dB	≤ 65 dB	≤ 65 dB
Power Supply	220 V / 50 Hz	220 V / 50 Hz	220 V / 50 Hz
Lamp Specification & Quantity	20 W × 1	30 W × 1	40 W × 1
Material	Cabinet is powder coating or stainless steel; working table is stainless steel	Cabinet is powder coating or stainless steel; working table is stainless steel	Cabinet is powder coating or stainless steel; working table is stainless steel

12. ●●●

● Laminar Air Flow Hood

The laminar flow hood is an air purifying device that provides a locally high clean environment. It is mainly composed of box, fan, early effect air filter, damping layer, lamp lamp composition, shell electrostatic spray. The product can be suspended, but also ground support, compact structure, easy to use. Can be used alone, but also a number of connections to form a ribbon clean area.



● Product Features

Parameter

1. Classification: class 100(USA Fed standard 209E)
2. Average Velocity: 0.25-0.45m/s(Adjustable)
3. Noise: <62dB
4. Power Supply: 120/220V/50Hz

13. ●●●

● Clean Room



● Features

Clean room is a local high clean environment can provide air purification equipment. Is the most convenient to establish a simple clean room, clean shed mainly by the box, fan, early high efficiency air filter, damping layer, lamps and other components, shell spray. The product can be suspended, but also ground support, compact structure, easy to use. Can be used alone, but also a number of connections to form a band clean area. At the same time can be in the general level of clean room in some areas need high cleanliness of the place to do some local increase to reduce costs.

Fan from the top of the FFU inhalation of air, the initial effect of the filter, high efficiency filter, filtered clean air in the entire wind surface to $0.45\text{m/s} \pm 20\%$ of the wind speed sent to the clean shed. The formation of the current layer, so that clean air flow was vertical one-way flow, thus ensuring the work area required cleanliness.



14. ●●●

● Sampling Booth

Parameter

5-40°C Normal working temperature

±80% Relative temperature ±80%

86-106Pa Air pressure 86-106Pa

Material: Stainless Steel 304/powder coat steel

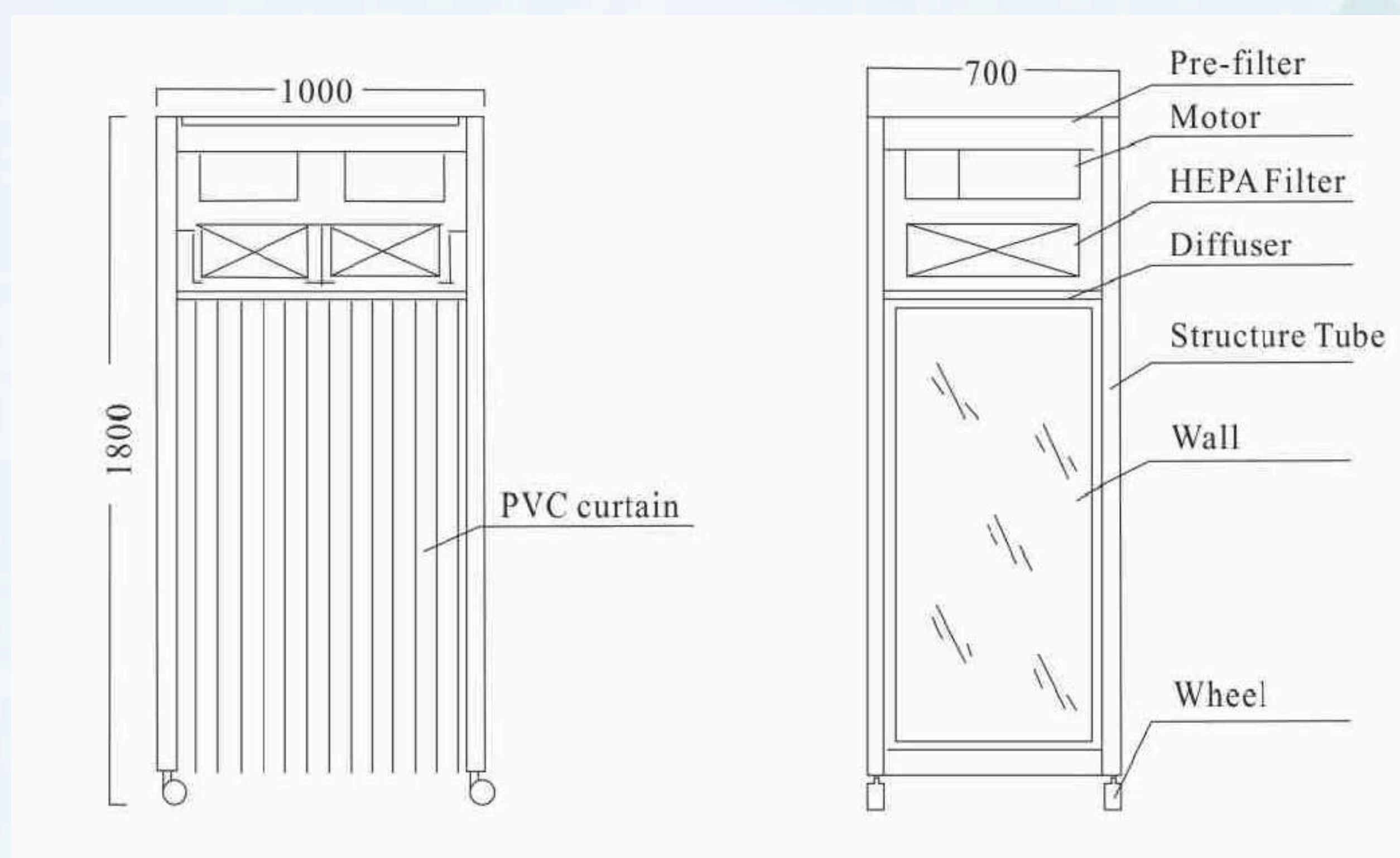
Wheel: 4 pcs

Noise: 62dB

Stability



● Illustration



Optional Configuration:

Full SUS 304

UV light

Wall: Plexiglass or Acrylic Panel

15. ●●●

● Clean Wardrobe



Clean wardrobe, also called laminar flow closet, is a kind of special-purpose closet clean industry, widely used in medicine, preparation, electronics, precision instruments, meters, food industries such as special occasions of clean clothes store, clean clothes in the process of acquisition, transfer from other air pollution

● Product Features

1. Direct drive high efficiency centrifugal fan, low noise, maintenance - free, low vibration, long life, stable performance;
2. Self-produced ultra-high efficiency, ultra-low pressure, PTEE membrane filter-more than 30% energy saving;
3. Indicating the pressure on both sides of the high efficiency filter, promptly remind the replacement of high efficiency filter;
4. Advanced design, it is made according to international standards, reliable performance is extremely high;

● FFU Air Purifier

SPECIAL

ULTRA
SILENCE

IN ADDITION TO
FORMALDEHYDE

HIGH
PURIFICATION
EFFICIENCY

SAVE
POWER

SAFETY



● Medicine Wash Sink

The use of high-quality 304 stainless steel plate manufacturing, international standards, circular structure, constant temperature water, the standard model for 1, 2, 3 hand wash basin, can be customized non-standard hand wash basin. Description: stainless steel thickness of 1.2mm or 1.5mm, with 50L electric water heater, free to set the water temperature, the water points knee touch and induction in two ways, the faucet set independently, does not affect the use of other faucet, convenient Use and maintenance



Description

1. Lamp & Lampshade
2. Full stainless steel 304
3. Mirror 3 pcs
4. Lamp Switch
5. Automatic sensor faucet 3 pcs
6. Integrate Water Sink
7. Heater
8. Access Door

Description

Material: Full stainless steel 304

1. Breakwater
2. Faucet 2 pcs
3. Integrate sink 1pc
4. Access door 2pcs



Description

Material: Full stainless steel 304

1. Breakwater
2. Faucet 2 pcs
3. Integrate Sink 2pcs
4. Access door 2pcs
5. Operation desk



● Filter Theory

Resistance and consumption:

Proper use of air filters, resistance is a very important factor, when the air volume is certain, the filter energy consumption can be calculated using the following formula

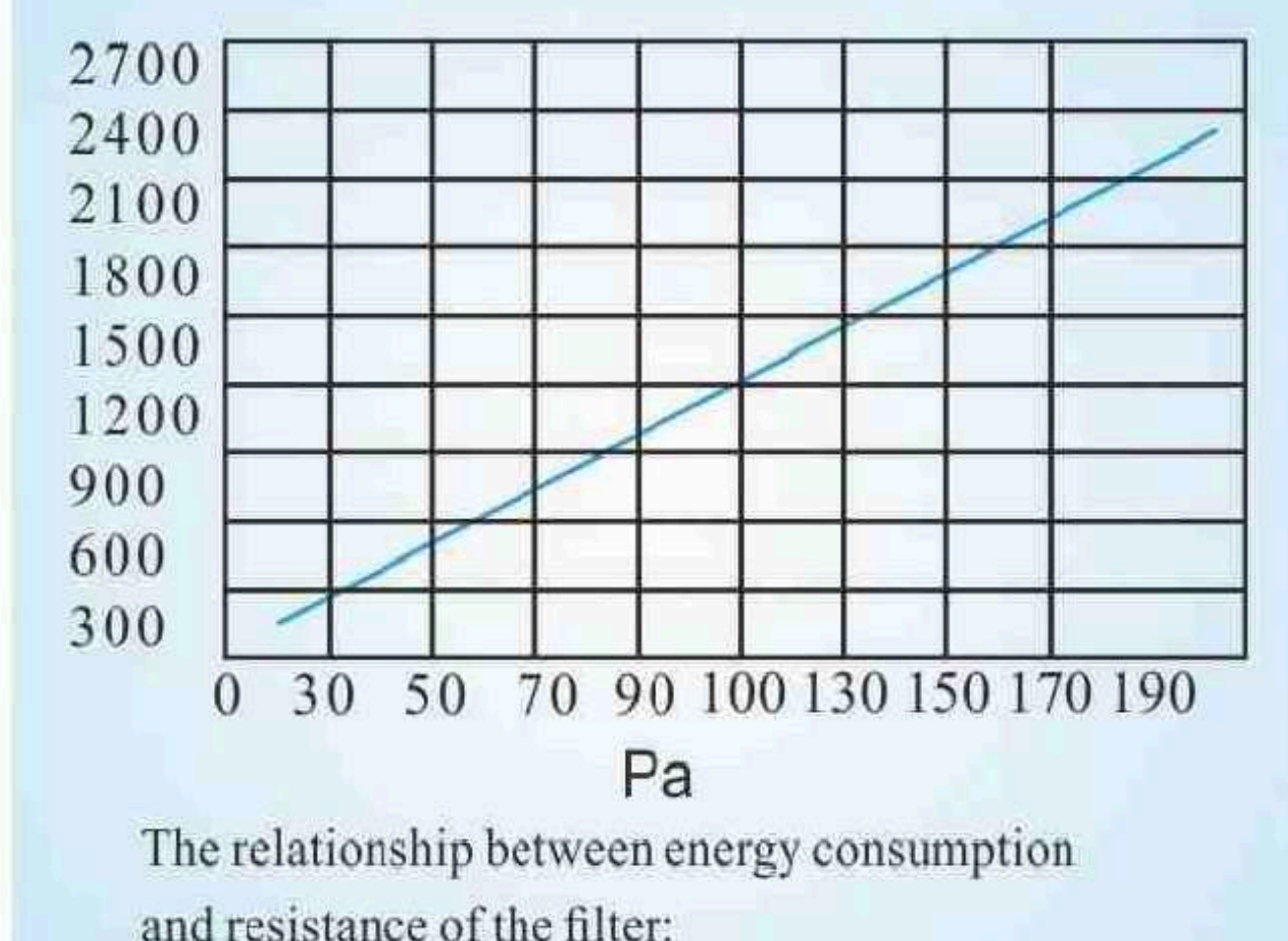
E:Power consumption:degrees(kwh)

Q:Air volume:m³/s

P:Average resistance:Pa

H:Year running time:hours

μ:Fan operating efficienc

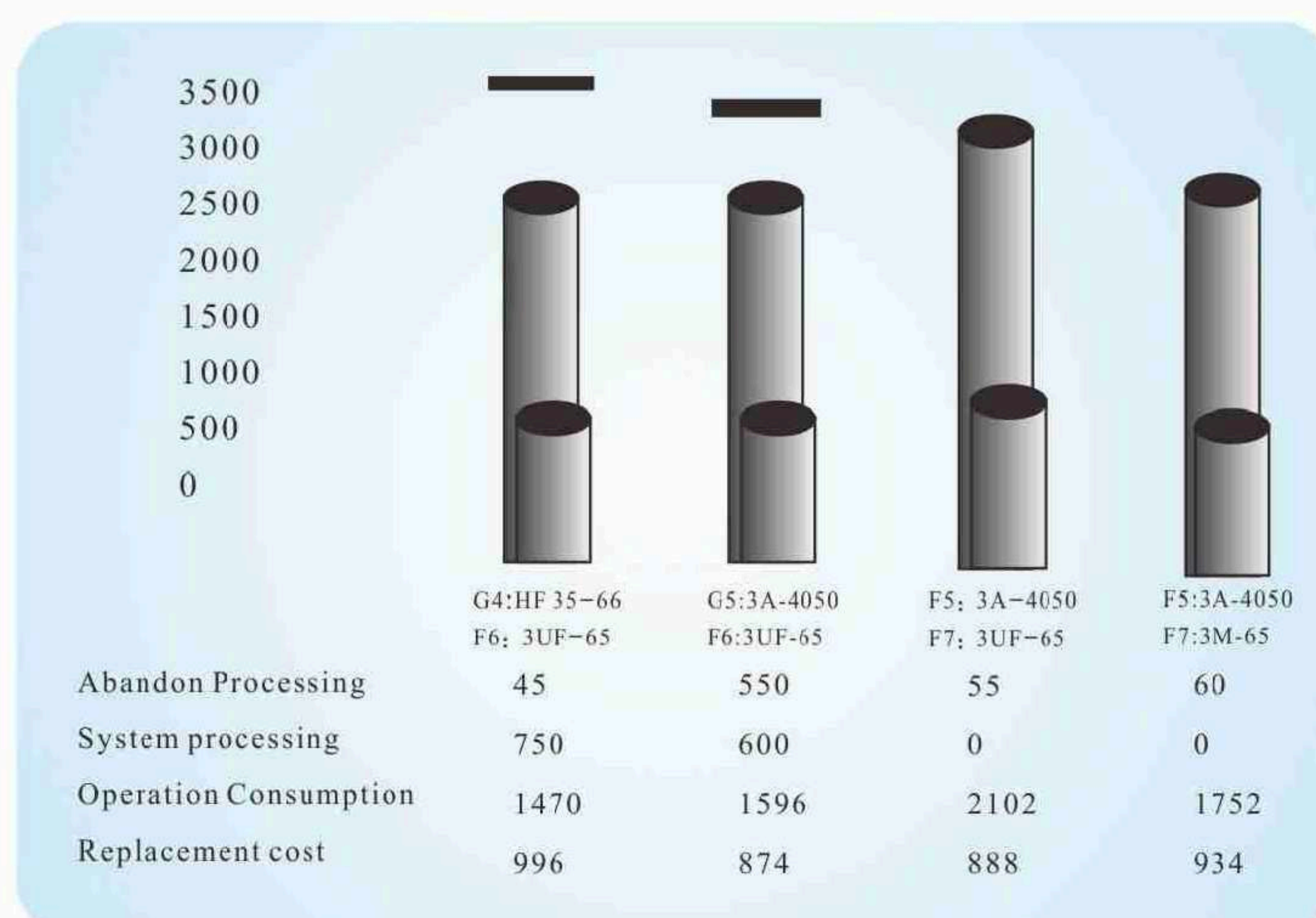


A 24 "x24" standard size F5 filter is used at 3600m³ / rated air volume. Assuming an average resistance of 100pa, the fan operating efficiency is 70%. The continuous operation of the power consumption of 1250 degrees. Such as industrial electricity price of 0.50 yuan / degree, the annual energy consumption is 625 yuan. In general, the filter is much more expensive than its purchase cost.

If the resistance of the filter is reduced to 10pa, each filter can save 125 degrees of operating energy per year. Therefore, the use of low resistance filter can significantly save the ventilation system maintenance costs. The same air volume, the filter area of the filter resistance is low, and the resistance rise is also slow, which also helps with the system air flow and energy consumption stability. Large filter area of the filter long life, thereby reducing the number of filter replacement.

We advice customers, in the selection of filters, use low resistance filter. And to fully consider the quality of the filter, poor quality of the filter will cause damage to the entire ventilation system, and even affect the completion of production tasks.

● The Proportion Of The Annual Total Cost Of The Secondary Filter System



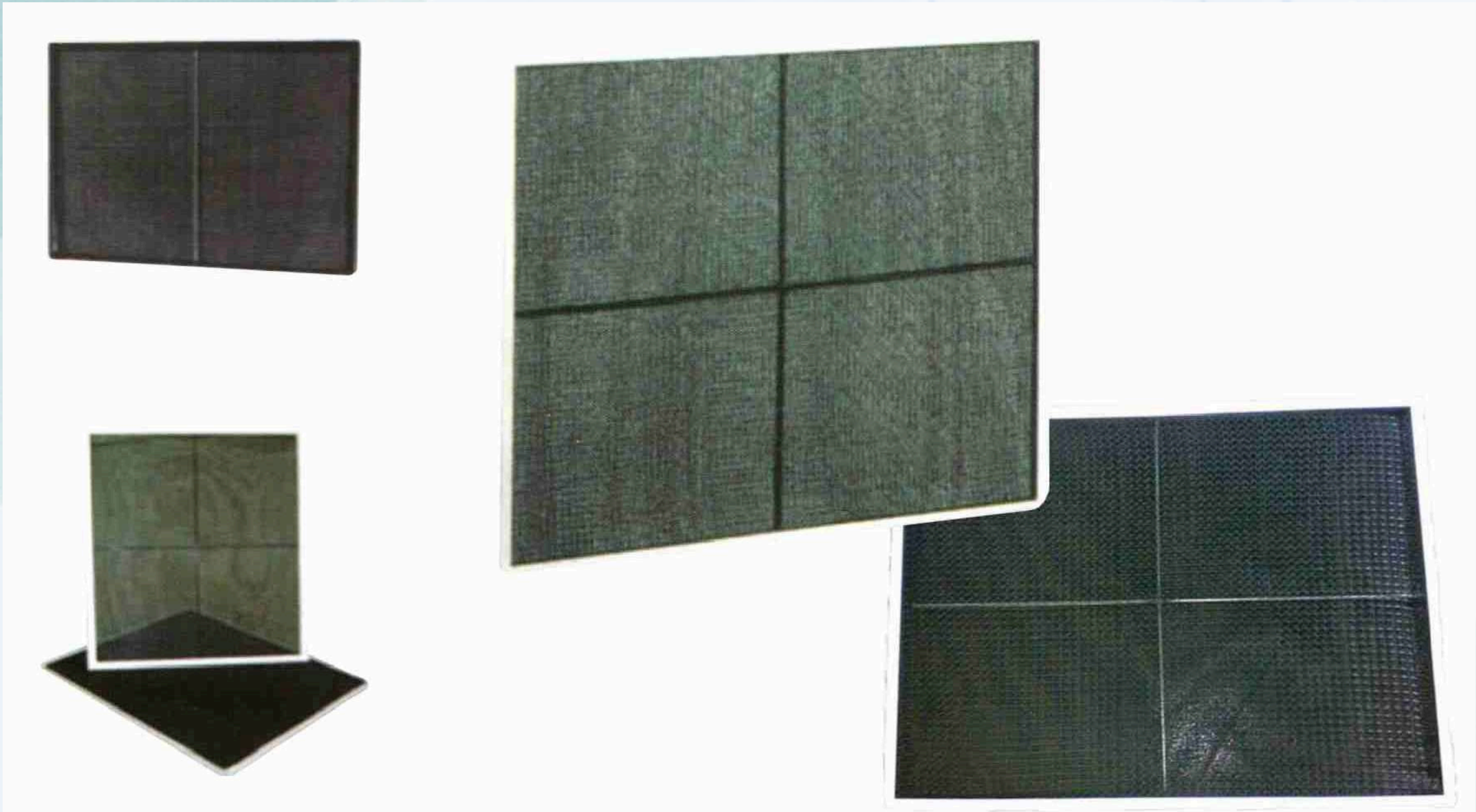
● Pre-Filter

1. Filter the 5μm Above the particles of dust and a variety of suspended solids
2. Large air volume
3. Low Resistance
4. dust capacity
5. ong service life

● Pre-Filter

6. Pre-filter of air condition system
7. Pre-filter of Various filtration system
8. Air filtration in acid-base organic solvents

Nylon Mesh Filter



Special

- Can washable
- Low initial Resistance
- Service long life
- Light,easy installation

Parameter

Dimension (W×H×D)		Rate Air Volume (m³/h)			Filter Material Area (m²)	Rate Resistance (Pa)			Suggest Resistance (Pa)
Inches	mm	1.5 m/s	2.5 m/s	3.1 m/s	m²	1.5 m/s	2.5 m/s	3.1 m/s	pa
12×12	305×305	500	780	950	0.09	5	19	29	250
12×24	305×610	950	1560	1930	0.18	5	19	29	250
16×16	406×406	850	1380	1725	0.16	5	19	29	250
16×24	406×610	1300	2100	2600	0.24	5	19	29	250
20×20	508×508	1350	2200	2725	0.25	5	19	29	250
20×24	508×610	1600	2650	3280	0.31	5	19	29	250
24×24	610×610	1950	3200	3950	0.36	5	19	29	250

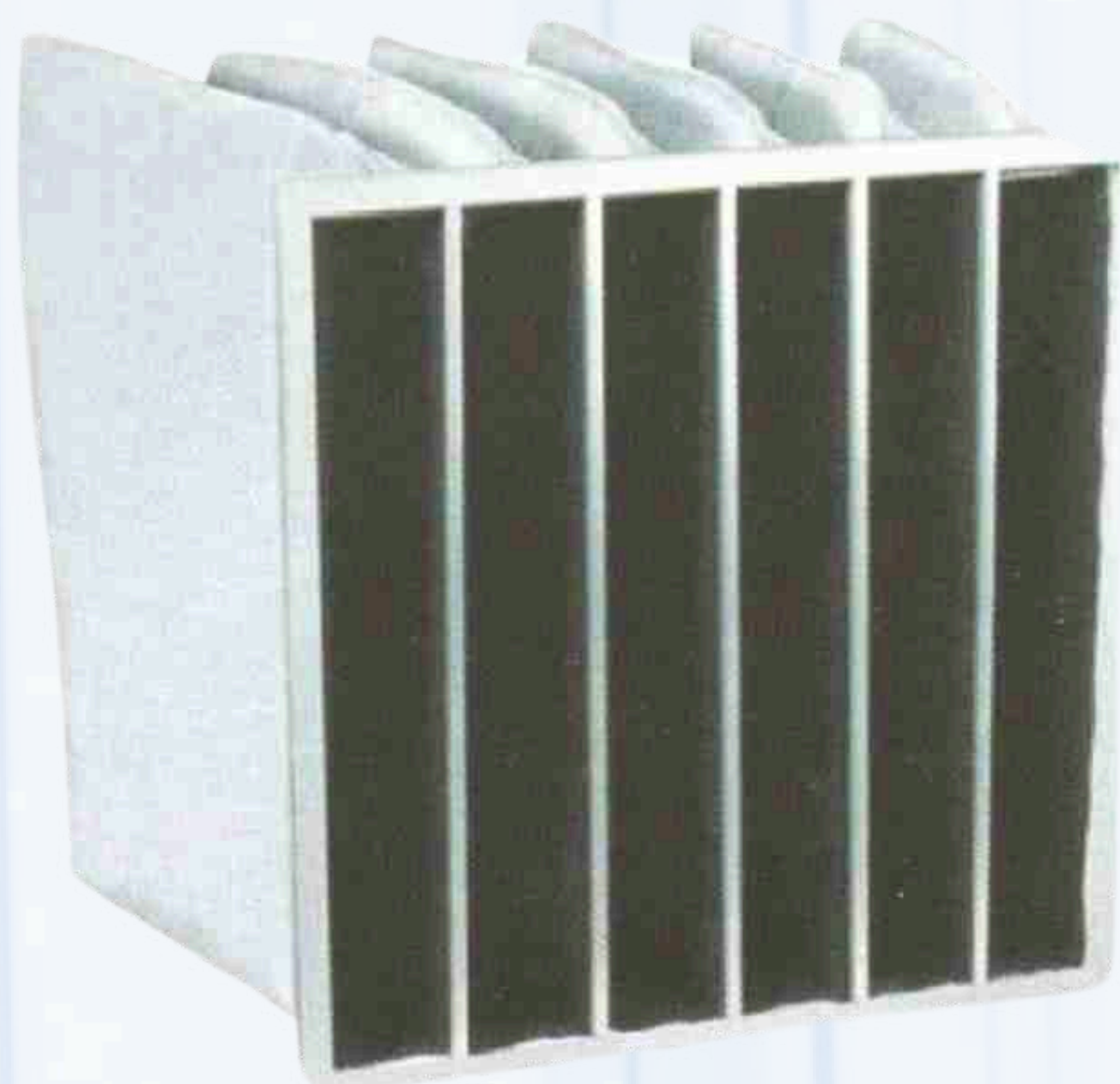
● Active Carbon Filter



Active carbon granule



Active carbon pre-filter



Active carbon bag filter

Active carbon plate filter use for: Airport Subway, Auto, electronic factory, home use,hospital and so on

Activated carbon plate type filter can be used aluminum frame, galvanized box, stainless steel frame, the thickness can be produced according to customer requirements, the use of high-quality filter activated carbon fiber or carbon fiber can be expanded area pleated production process can also be flat Making

Activated carbon plate filter installed, due to its own structure, but also has a large amount of dust and a lower resistance in addition to

● Notice

- First remove the dust in the air and other large dust particles
- The passage of air through the activated carbon layer should be than 0.1 seconds
- Air relative humidity is not than80%
- air relative temperature is not 50°C
- Periodic Replacement

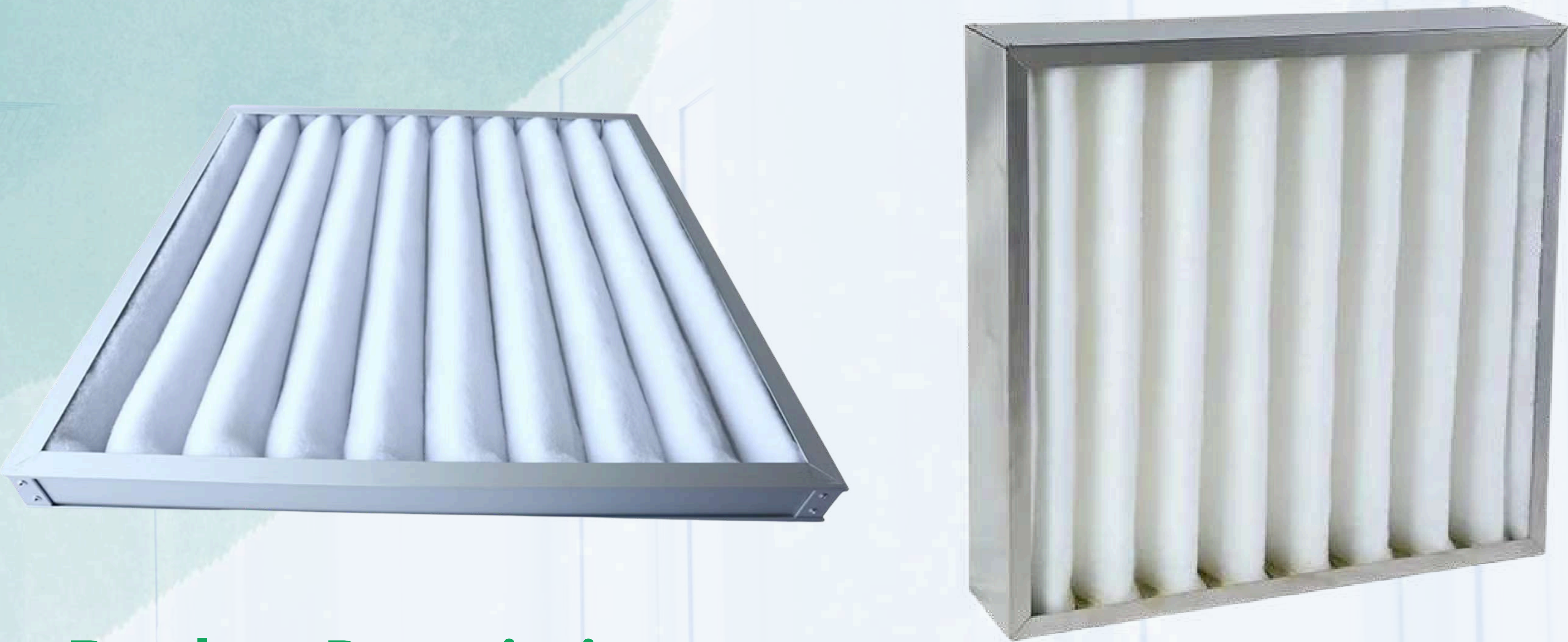
● Special Active Carbon Filter

- High efficiency
- Absorb smell
- Low cost
- Long life

● Parameter

Dimension (W×H×D) Inches	Out Dimension (W×H×D) mm	Air Volume (m³/h)	Resistance (Pa)	Material – Frame	Material – Filter	Adsorb Ability	Deodorant
12 × 12 × 1	295 × 295 × 21	800	55	Aluminum Alloy / Galvanized Plate	Active felt, Active carbon fiber	Benzene Adsorb 30%, Iodine adsorb capacity >800 mg	Ethyl Mercaptan: 30 Type, Remove efficiency >80%
12 × 20 × 1	295 × 495 × 21	1300					
16 × 20 × 1	395 × 495 × 21	1750					
12 × 24 × 1	295 × 595 × 21	2200					
24 × 24 × 1	595 × 595 × 21	3200					

● Pleat Pre-Filter



● Product Description

- Metal hole mesh coarse filter: air volume, resistance, acid and alkali oil mist and high temperature, effective removal of dust particles; can be used repeatedly cleaning, long life, cost-effective.
- Application: Central air conditioner primary filter, special acid, alkali or high temperature ventilation filter.
- Resistance high temperature filter: the length of glass fiber imports of flame retardant and good chemical resistance, low moisture absorption, can be used in the 400 long-term environment.
- Application: general primary filtration, hot air oven air filter coating plant high temperature oven air filter.

● Design Features And Applications

- Large ventilation, low resistance, low consumption
- non-woven filter media filter, the effective removal of atmospheric dust particles, high filtration efficiency
- Aluminium frame and galvanized plate
- Large Clogging capacity, long life

Type	Dimension (W×H×D)	Rate Air Volume (m³/h)	Pressure (Pa)	Efficiency (EN779 Gravimetric Method)	Frame	Filter Material	Protect Net
HS-G1	295 × 295 × 21	800	25	HS-G1 40%	Aluminium / Galvanized plate / Paper Frame	Class G1 Filter	Double-sided spray square or double-sided galvanized iron wire
	295 × 595 × 21	1600					
	495 × 595 × 21	2200					
	595 × 595 × 21	3200					
	295 × 295 × 46	800					
HS-G2	595x295x46	1600	30	HS-G2 70%	Aluminium / Galvanized plate / Paper Frame	Class G4 Filter	Mesh double-sided wire mesh or composite filter screen
HS-G3	595 × 595 × 46	2700		HS-G3 85%			
HS-G4	595 × 595 × 46	3200		HS-G4 90%			

● V-bank HEPA



● Product Description

- Polystyrene Biping plastic frame, can be completely burned waste disposal
- Large filter area, low resistance, long service life
- 292mm thickness, suitable for installation of narrow space ventilation system
- 90%,95%,98% (ASHRA52.1-1992)
- With flange frame, efficiency: 60% 90%,95%,98%(ASHRA52.1-1992)

Model	Out dimension (W×H×D) mm	Divisions no	Air volume (m³/h)	Filter area (m²)	Dust holding capacity (g)	Initial pressure (at velocity 0.5 m/s)	Final pressure	Efficiency
HS-FV-102	595 × 595 × 295	3	2800	16.2	1460	≤120 Pa	400 Pa	PP 85% @0.5 μm
HS-FV-103	305 × 595 × 295	4	3700	21.6	1950			
HS-FV-104	610 × 610 × 295	5	4700	27.7	2490			
HS-FV-107	595 × 595 × 295	3	2800	16.2	1430			PP 99% @0.5 μm
HS-FV-108	595 × 595 × 295	4	3500	21.6	1900			
HS-FV-109	610 × 610 × 295	5	4500	27.7	2440			
HS-FV-112	595 × 595 × 295	3	2900	17.8	1570			PP 99% @0.5 μm
HS-FV-113	595 × 595 × 295	4	3600	23.8	2000			
HS-FV-114	610 × 610 × 295	5	4900	30.4	2680			

● Liquid Tank Sealed High Efficiency Filter

Product description

Liquid tank sealant color blue / transparent, like jelly, it is also known as jelly, liquid tank sealant is non-Newtonian liquid, the plastic with nonvolatile, do not climb oil, non-toxic tasteless and so on, at room temperature with good stability. Liquid tank sealed high efficiency filter is the industrial clean room, biological clean room is ideal for the terminal filter, but also other purification equipment is ideal for supporting the filter.

Liquid tank seal is better than the current domestic commonly used mechanical compression device seal of a method. Liquid tank seal filter easy to install, sealed very reliable, is widely used in the international high efficiency filter sealing method.

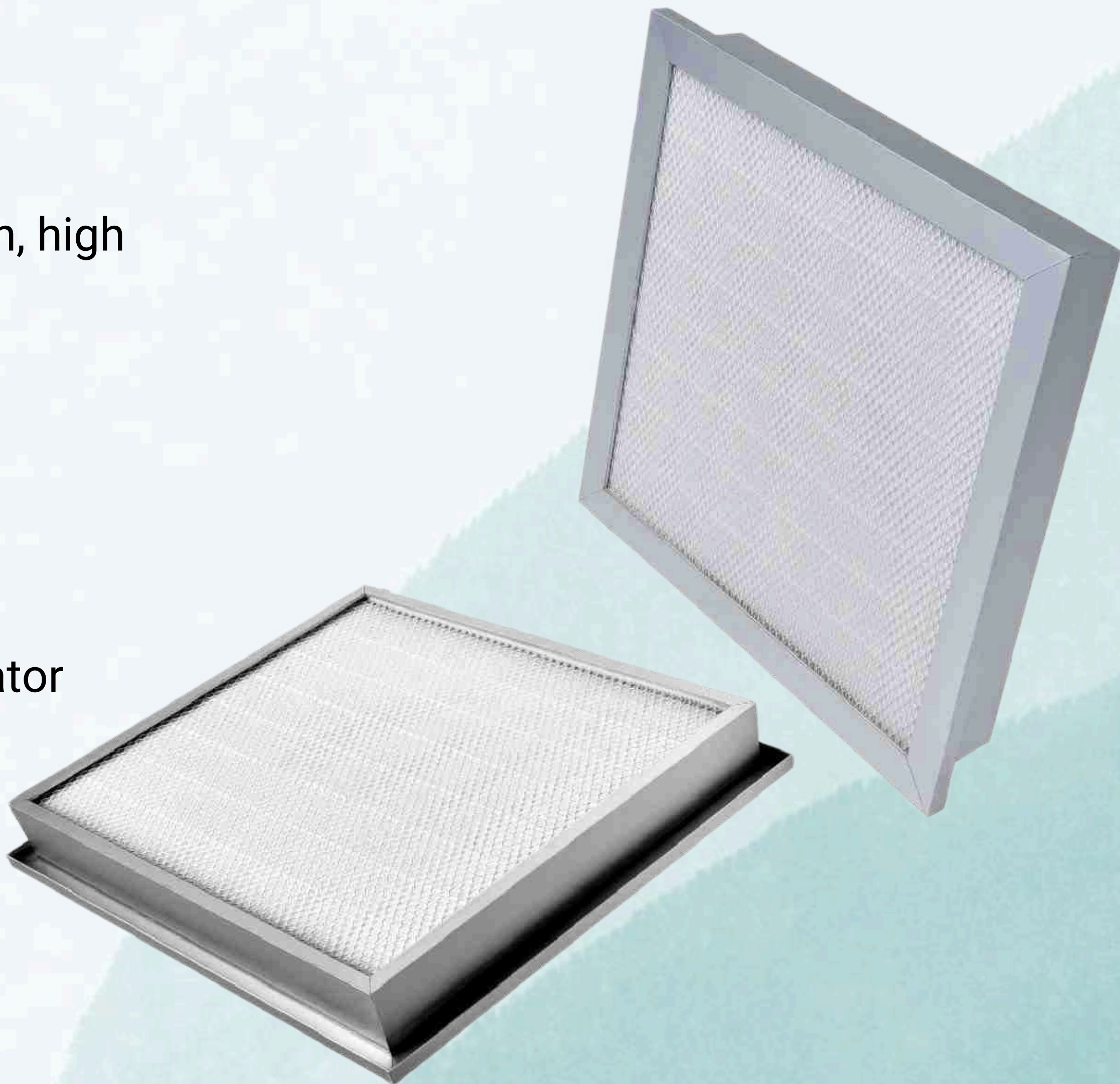
Advantages: high sealing, good leaks.

Application: Widely used in demanding clean rooms, large area vertical laminar flow, 100 laminar flow hood and HEPA high efficiency filter installation.

Liquid tank sealed high efficiency filter current thickness of 70mm, 93mm (according to customer requirements or market requirements to increase the thickness of the aluminum mold production of different thickness of the tank sealed filter products)

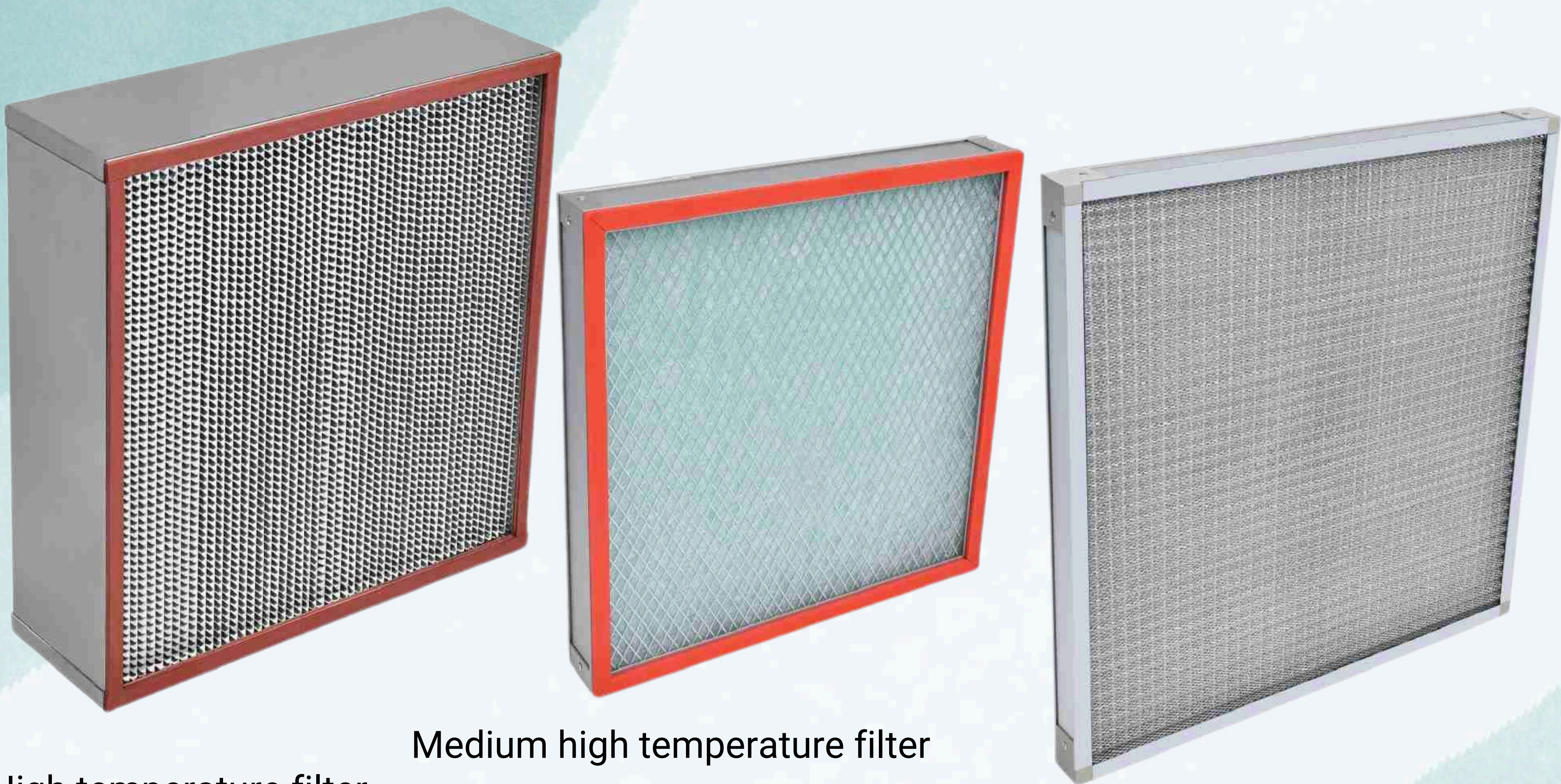
Features

- Features: good sealing performance, easy installation, high efficiency,
- low resistance, low operating costs.
- Composition materials and operating conditions
- Frame: Aluminum
- Sealant: Polyurethane adhesive
- Separator: hot melt/fine separator /aluminum separator
- Filter: glass fiber
- Maximum temperature: 70'C
- Maximum humidity: 100%
- Groove sealing medium: blue /transparent jelly



Name	Size (L × W × T) mm	Air volume (m³/h)	Surface wind speed (m/s)	Initial resistance (Pa)	Recommended final resistance (Pa)
The sealed tank without separator	320 × 320 × 69	300	0.45	110	400
	484 × 484 × 69	800	0.45	110	400
	610 × 610 × 69	1200	0.45	110	400
	915 × 610 × 69	1500	0.45	110	400
	320 × 320 × 96	500	0.6	110	400
	484 × 484 × 96	1000	0.6	110	400
	610 × 610 × 96	1500	0.6	110	400
	915 × 610 × 96	2000	0.6	110	400

● Resistance High Temperature Filter



High temperature filter

Medium high temperature filter

Metal mesh high temperature filter

High temperature and high efficiency filter with a partition design, corrugated diaphragm can accurately maintain the spacing between the fold, the minimum resistance, the maximum use of filter media, filter on both sides of 180 fold pleated fold, filter Bending two indentation, so that the end of the partition in the open layer to create a wedge layer can prevent damage to the filter.

● Material

- Filter: H13-H14 glass filter paper, U15-U17 US HV glass filter paper
- Frame: 250 C below optional aluminum frame, aluminum folding frame, galvanized box, stainless steel frame; 250 °C above must use galvanized box or stainless steel frame
- Sealing tape: Teflon tape (350C-400C);
- Filter size: according to the actual requirements of customers

● Applications

Especially for the pharmaceutical industry, such as high-temperature infusion productionconditions used

Model	Box size (WxDxH) mm	Air volume (m³/h)	Filter area (m²)	Dust capacity (g)	Initial pressure (Pa)	Final pressure (Pa)	Filtration efficiency
HS-HHF-001	484×484×120	450	4.3	250	≤ 200	400	H13-H14 (99.9%~99.995%)
HS-HHF-002	610×610×120	750	6.6	400	≤ 200	400	H13-H14 (99.9%~99.995%)
HS-HHF-003	915×610×120	1100	10.43	600	≤ 200	400	H13-H14 (99.9%~99.995%)
HS-HHF-004	484×484×150	600	5.85	350	≤ 200	400	H13-H14 (99.9%~99.995%)
HS-HHF-005	610×610×150	1000	9.4	600	≤ 200	400	H13-H14 (99.9%~99.995%)
HS-HHF-006	915×610×150	1500	14.19	850	≤ 200	400	H13-H14 (99.9%~99.995%)
HS-HHF-007	484×484×220	1000	9.22	550	≤ 200	400	H13-H14 (99.9%~99.995%)
HS-HHF-008	630×630×220	1500	12.9	850	≤ 200	400	H13-H14 (99.9%~99.995%)
HS-HHF-009	915×610×220	2500	22.35	1300	≤ 200	400	H13-H14 (99.9%~99.995%)
HS-HHF-010	1220×610×220	2700	24.34	1500	≤ 200	400	H13-H14 (99.9%~99.995%)

● Various Industries Clean Room Necessary Cleanliness

Industry Category	Cleanliness	Grade					
		0.1 μ grade	1,000		10,000		100,000
		0.5μ grade	10	100	1,000	10,000	100,000
Semiconductor	Crystal pulling						
	Diffusion						
	Corrosion, lithography, surface treatment, metal evaporation						
	Assembly experiment						
	Raw material						
	Grinding						
	Package						
	Semi-finished product storage						
Laser	Gas laser						
	Fixed laser						
Optical Instruments	Semiconductor laser, laser scalpel						
	Lens grinding						
	Marking						
	Hospital camera processing, assembly, lens assembly						
	Film manufacturing, drying						
	Microfilm, imaging, drying						
	Assembly						
	Painting, experiment, inspection						
Timing, precision instruments	Electronic components, parts assembly, rocket parts processing						
	Artificial satellite control device						
	The reliability of parts, devices						
	Miniature bearings						
	Ordinary bearing						
	Components, inspection						
Electronic calculator	Drum, tape, disk						
	Processing, assembly, testing, inspection						
Electronic machinery Electrical measuring device	Picture tube						
	High reliability tube, light guide tube						
	Printed board						
	Small relays						
	Precision electrical instrumentation						
	Parts, processing, assembly, inspection						
Drug Medicine Hospital	Pharmaceutical process						
	Injection, ampoule packaging						
	Blood, Ringer's solution, vaccine storage						
	Sterile operating room						
	ICU、CCU General operating room, recovery room ICU, CCU						
	Sterile ward						
	Newborn baby, premature baby room						
	Sterile chamber, surgical instrument storage room, bacterial experiment						
	Medicine room						
	General ward, treatment room						
Food brewing	Milk, wine, lactic acid bacteria drink						
	The bottling of the refreshing drink						
	Dairy products, pastry packaging						
	Manufacture of ham, mushroom cultivation						
	Meat processing						

Cleanliness Standard Table

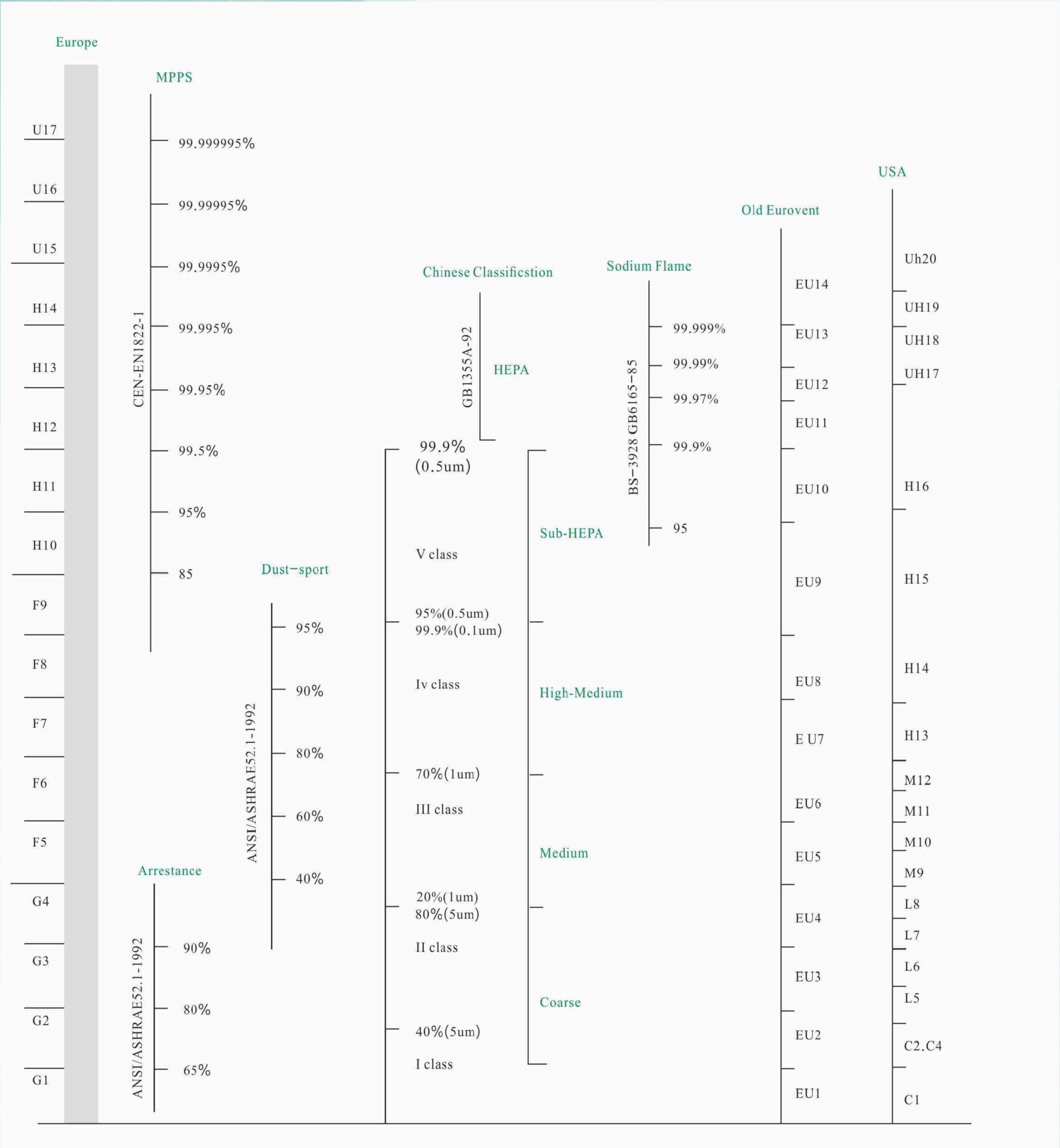
ISO CLEAN ROOM AND CLEAN AREA IN THE AIR SUSPENDED PARTICLES CLEANLINESS LEVEL

ISO Class (N)	0.1 μm (pc/m³)	0.2 μm (pc/m³)	0.3 μm (pc/m³)	0.5 μm (pc/m³)	1 μm (pc/m³)	5 μm (pc/m³)
ISOClass1	10	2	-	-	-	-
ISOClass2	100	24	10	4	-	-
ISOClass3	1,000	237	102	36	8	-
ISOClass4	10,000	2,370	1,020	352	83	-
ISOClass5	100,000	23,700	10,200	3,520	832	29
ISOClass6	1,000,000	237,000	102,000	35,200	8,320	293
ISOClass7	-	-	-	352,000	83,200	2,930
ISOClass8	-	-	-	3,520,000	832,000	29,300
ISOClass9	-	-	-	35,200,000	8,320,000	293,000

US Federal Standard FS209E developed clean standards

Grade Class Name		Level limit									
		0.1 μ m		0.2 μ m		0.3 μ m		0.5 μ m		5 μ m	
		Volume units		Volume units		Volume units		Volume units		Volume units	
S1	English Unit	M³	Ft³	M³	Ft³	M³	Ft³	M³	Ft³	M³	Ft³
	Imperial system	Cubic meter	Cubic meter	Cubic meter	Cubic meter	Cubic meter	Cubic meter	Cubic meter	Cubic meter	Cubic meter	Cubic meter
M1 M1.5	1	350	9.91	7507	2.14	30.9	0.875	10	0.283	274	7
		1240	35.0	265	7.5	106	3.00	35.3	1.0	618	17.5
M2 M2.5	10	350	99.1	757	21.4	307	8.75	100	2.83	2470	70
		12400	350	2650	75	1060	30.0	353	10	3180	1750
M M3.5	100	35000	991	7570	214	3090	87.5	1000	28.3	24700	700
				26500	750	10600	300	3530	100	61800	1750
M4 M4.5	1000			75700	2140	30900	875	10000	283		
								35300	1000		
M5 M5.5	10000							100000	2830		
								353000	10000		
M6 M6.5	100000							1000000	28300		
								3530000	100000		
M7								10000000	283000		

● Air Filter



28. ●●●



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