

DC(EC) FFU Fan Filter Unit

The power of the Brand EC FFU is 30W 90W, so the average power consumption is 60W: while the average power of the traditional AC motor FFU is 80W~160W, so the average power consumption is: 120W. For a class 100 clean room with 1000 FFUs, each FFU can save 0.06kWh of electricity for 1 hour of operation. Assuming that the average electricity cost of industrial electricity is 1 yuan/kWh, the electricity cost that can be saved every year is: $1000 \times 0.06\text{kWh} \times 24\text{h} \times 365\text{d} \times 1 \text{ yuan/kWh} = 525,600 \text{ yuan}$, and the electricity cost for cooling: $9\text{kW} \times 24 \times 365 \times 1 = 78,840 \text{ yuan}$, then for 1,000 DC motor FFUs compared to AC motor FFUs, the annual electricity cost savings is $525,600 \text{ yuan} + 78,840 \text{ yuan} = 604,440 \text{ yuan}$.



Parameters	Accept the research and development.proofing and production of non-standard products
Filter Efficiency	99.99%-99.9999999@0.3-0.12um (H13-U17) [class10-class100]
Air Speed	0.45-0.75m/s
Noise	52-58dB+DB
Motor Life	About 5 years
Box Material	Aluminized zinc plate/ Coated Cold-Rolled Steel Plate /sus201/sus304 (standard is Aluminized zinc plate)
Power Supply	220V50Hz(85-135W/ motor)
High-Efficiency	H13-U17 (standard is H13)

FFU Home Air Purifier

Function

Pm2.5 filter 99.99999%

Pollen filtration: 99.9%

Bacterial filtration: 93%

(optional)

Formaldehyde filtration:95%

(optional)

The MRJH FFU air purifier can easily achieve a dust-free, odor-free space. It has good dust removal,deodorization, harmful gas removal and antibacterial functions, and has significant adsorption and filtering functions for persistent volatile pollution gases generated by decoration. It can easily achieve dust-free sterility of local spaces in a short time, keeping harmful germs and polluted air away from indoor.



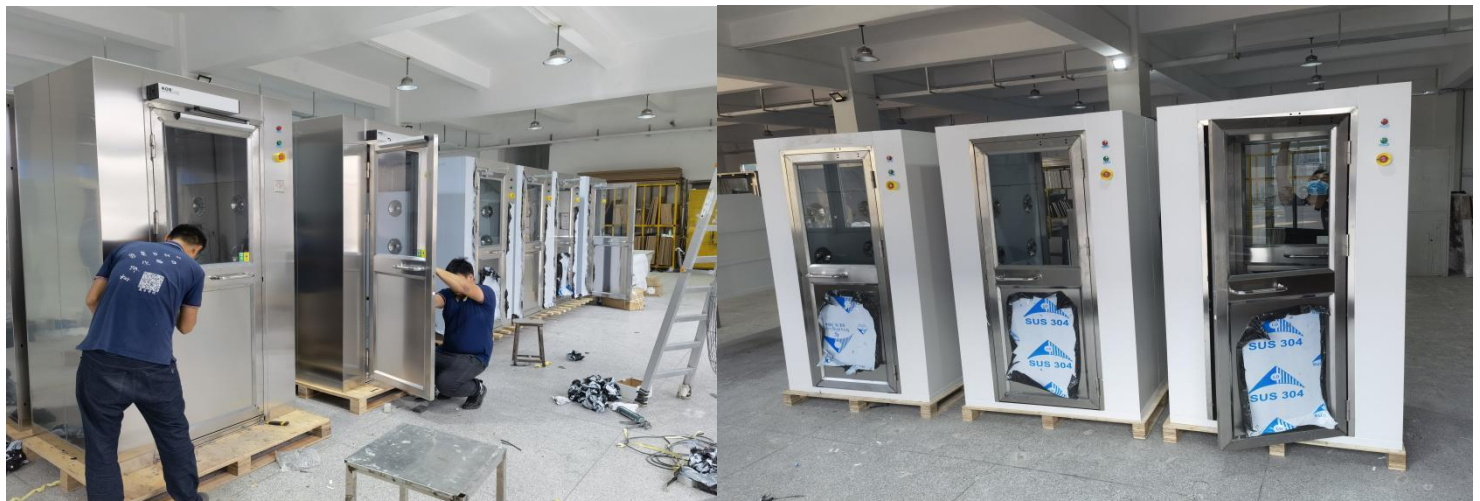
Air Shower



Advantages of the purification air shower

1. The nozzles are all secondary booster nozzles
2. The inner wall panels are all stainless steel and are seamlessly connected
3. The brand air showers are all three blowing systems and the lighting is not easy to burn out.
4. Brand large air volume fan pressurizes the air for multiple times.
5. Integrated panel, Chinese and English voice system.
6. Sheet metal laser forming, beautiful appearance.
7. The intelligent voice air shower has a voice prompt system. During the shower, the automatic voice system prompts people to complete the whole process of blowing, showering and dust removal in an orderly manner to achieve an effective purification effect. The clean air filtered by the high-efficiency filter can be rotated. The nozzles are sprayed onto the body from all directions to effectively and quickly remove the dust particles, and the removed dust particles are filtered by the primary and high-efficiency filters and recirculated to the air shower area.

Parameters	Accept the research and development, proofing, mass production of non-standard products
Box material	External Painted Cold Steel Sheet / Internal Stainless Steel or Full Stainless Steel
Cleanliness	99.99@0.5um
Air speed	13-25m/s
Nozzle QTY	12/24/36
Persons	Double Blows for 1Person/Double Blows for 2Person/Double Blows for 3Person
Shower time	0-99S adjustable (Ex factory settings 10s)
Fan power	380V50Hz
Fan power supply	1500w 1unit/1500w 2unit/1500w 3unit
Control method	Voice prompt blowing shower, electronic interlock, photoelectric induction
High efficient filter and primary filter	1 piece each/2 piece each/3 piece each



Cargo Air Shower



Cargo shower's advantages of Purification

1. The nozzles are all secondary booster nozzles
2. The inner wall panels are all stainless steel and are seamlessly connected
3. The shower rooms of American and Japanese brands are all three-blowing systems and the lighting is not easy to burn out.
4. Brand large air volume fan pressurizes the air for multiple times.
5. Integrated panel, Chinese and English voice system.
6. Sheet metal laser forming, beautiful appearance.
7. Fully automatic control, electronic interlocking, double doors are locked when blowing, and infrared induction is automatically blowing. Stainless steel half glass door automatic door closer, transparent window, inner low plate made of stainless steel; software test controller, LED display and setting blowing time, adjustable range 0*99seconds, the interior adopts round in volute Line air duct, high wind speed, low noise.

Parameters	Accept customization for non-standard products.
Box material	External Painted Cold Steel Sheet / Internal Stainless Steel or Full Stainless Steel
Cleanliness	99.99@0.5um
Air speed	13-25m/s
Nozzle QTY	24
Persons	Double Blows for 1Person/Double Blows for 2Person/Double Blows for 3Person
Shower time	0-99S adjustable (factory settings 10s)
Fan power	380V50Hz
Fan power supply	1500w 4units
Control method	Voice prompt blowing shower, electronic interlock, photoelectric induction
High efficient filter and primary filter	4 pieces each



Automatic Sliding Cargo Air Shower

Rolling Door Cargo Air Shower



Mechanical Interlocked Pass Box



Advantages of Pass Box

1. Stainless steel door hinges and all stainless steel ball handle
2. Tempered glass observation EVA high-performance seal
3. 8 cm round steel mechanical interlocking or imported electronic interlocking
4. Tempered glass observation window EVA high-performance seal

Advantages of Pass Box:

As an auxiliary equipment of the clean room, the pass box is mainly used for the transfer of small items between the clean area and the clean area, and between the non-clean area and the clean area, so as to reduce the times of door openings in the clean room and minimize the pollution to the clean area. The pass box is widely used in micro technology, biological laboratory, pharmaceutical factory, hospital, food processing industry, LCD, electronic factory and other places that need air purification.

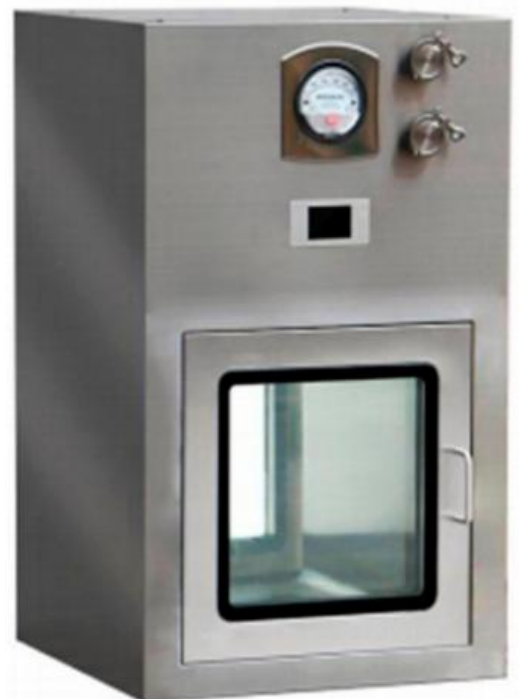
Parameters	Accept researching , Proofing , proudcing and Mass Production for on-standard Products
Housing Material	External Baking Cold Steel Sheet/Internal Stainless Steel/ Full Stainless Steel
Cleanliness	According to the using environment to choose any class room or non clean
Look Mode	Mechanical Interlock
Optional	Full SUS304 Treatment /with Germicial Lamp / with buzzer / with interphone

Laminar Flow Pass Box

Average air speed	0.45-0.75m/s
Shower time	Manual control
Material	SUS 304 stainless steel
HEPA	H13-H14
Cleanliness	CLASS B (Manufactured to better than class B)
Connection design	Arc processing around to ensure seamless connection
Differential pressure	Display filter differential pressure
Power	220V50Hz/180W

The composition of the laminar flow pass box:

1. Centrifugal fan
2. Double-layer tempered glass door
3. Ultraviolet germicidal lamp
4. Differential pressure gauge
5. DOP test port
6. Centralized Control Panel
7. SUS304 diffuser
8. Initial effect of return air
9. Arc docking



Biological Safety Cabinet



Design Features:

- * It meets the requirements of China's SFDA's YY0569 standard and the US NSF/ANAI49 standard for Class II biological safety cabinets to be classified as type A2.
- * Vertical laminar flow negative pressure model, 70% of the air diameter is filtered and recycled, and 30% of the air can be discharged into the room or connected to the exhaust system after being filtered.
- * The patented 'zero leakage' technology is set in both the air supply and exhaust systems to ensure cleanliness ISO5(100) or ISO4(10).
- * The double-layer box surrounded by negative pressure ensures no pollution leakage. The arc inner tank increases the self-cleaning function and is equipped with a 304 stainless steel sump larger than 4 liters.
- * The sliding front window adopts the imported suspension upgrade system, and the safety glass larger than 5mm can be lifted and positioned arbitrarily, with reliable performance and maintenance-free; it is easy to sterilize after being closed and sealed.
- * Strict cabinet leak-proof detection ensures any leakage in the afternoon under the condition of 500Pa of the cabinet. The LCD screen displays the relevant data of the safety cabinet in real time.



Cleanliness	HEPA ;ISO class 5 (Class 100) /ULPA;ISO class 4 (Class10)
Filter efficiency	HEPA $\geq$ 99.995% @0.3 μ m/ULPA $\geq$ 99.999% @0.12 μ m
falling wind	0.35m/s
Inflow wind	0.55m/s
Power	220V50Hz /2Kw(Maximum power, with socket)
Working noise	$\leq$ 60dB
Average illumination	$\geq$ 800LUX
Personal protection	Total colony count of the impact and slot sampler $\leq$ 10CFU/time $\leq$ 5CFU/time
Tested product protection	total number of colonies $\leq$ 5CFU/time
Cross infection protection	total number of colonies<2CFU/time

The biological safety cabinet is used to protect the operator, laboratory environment and experimental materials from exposure to the above-mentioned operation process when handling infectious experimental materials such as primary cultures, bacterial strains and diagnostic specimens. Designed for possible infectious aerosols and splashes. Biosafety cabinets are widely used in medical and health, disease prevention and control food hygiene, biopharmaceuticals, environmental monitoring and various biological laboratories. As early as 30 years ago, biosafety cabinet testing has been carried out abroad, and currently it is mainly based on EU or US standards.

Clean Bench/Laminar Flow Hood



Vertical flow hood



Horizontal laminar flow hood

Parameters	Non-standard products can be customized
Material	Painted Cold Steel Sheet/ Internal Stainless Steel or
Cleanliness	Full Stainless Steel
Air Speed	CLASS100 @0.5um
Noise	0.45-0.75m/s (Adjustable)
Power	50DB±5DB

Introduction: The clean workbench(laminar flow hood)is a one-way flow type purification equipment that provides a local dust-free operating environment.Mainly used in medical and health, optics, electronics and other departments that require high cleanliness, such as production,research and development.The clean workbench can also be connected into an assembly line; it has the advantages of high cleanliness and mobility; it has a good effect on improving process conditions, improving product quality and product yields.

Vertical flow hood

