

The Silent Force  
Behind Clean Space



# CERTIFIED FOR CRITICAL CLEAN ENVIRONMENTS

UL & CE · ISO Compliant

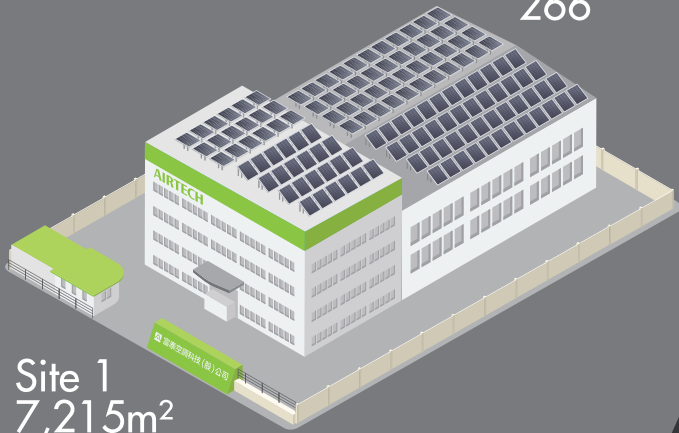


 **AIRTECH**

CLEAN AIR · PRECISE CONTROL · TRUSTED PARTNERSHIP



Employees  
266



Site 1  
7,215m<sup>2</sup>



Site 2  
13,885m<sup>2</sup>

# Business Philosophy

Founded in 1990 through Taiwan-Japan technological collaboration, we have delivered 35 years of continuous innovation in cleanroom systems.

Our roots in cross-border expertise remain central to our mission of precision, sustainability, and excellence in cleanroom engineering. Aside from our ISO, CE, and MEPS certifications, we are proud of the high-quality production process of products and have passed the requirements for Electronics Factory supply chain manufacturers.

## Advanced Filtration

HEPA/ULPA filtration systems ensuring 99.99% air purity.

## Modular Design

Flexible solutions meeting Class 100–100,000 standards.

## Industry Focus

Tailored for semiconductor, pharmaceutical, and high-tech manufacturing.

# Clean Room Expertise





# Standard Air Shower

Preparation Area

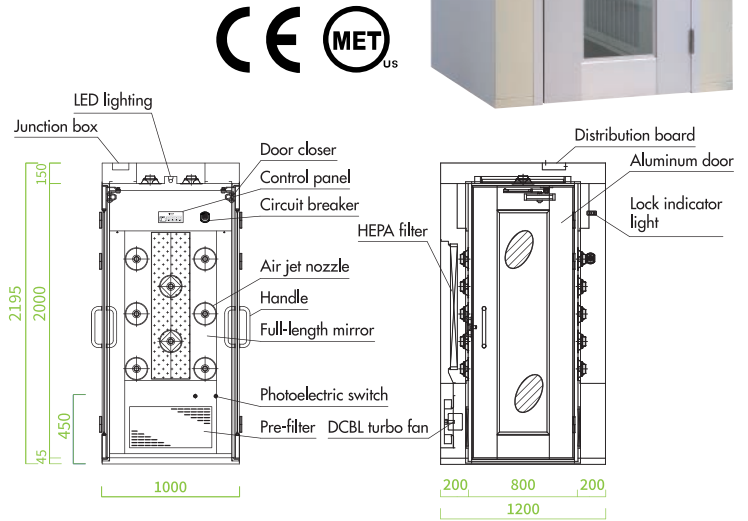
Delivers high-velocity clean air through HEPA filtration to effectively remove dust and particle such as lint and hair from personnel before entering controlled area.

- Equipped with DC brushless motors and energy-efficient HEPA blowers. \*40% more energy efficiency compared to traditional methods.
- Supports standardized operation and validation procedures in compliance with cleanroom SOP.
- Double-layer structure with insulation and noise-reduction design; supports up to 18 air nozzles for optimal cleaning efficiency.
- Customizable sizes and configurations available to fit site requirements.

Optional! Energy saving ADA compliance



Model	AAS-0810EARC-1
Particle Efficiency	Above 99.99% efficient on 0.3µm particles
Dust Collection Element	Main Filter: HEPA filter x 1 Pre-filter: Non-woven filter x 1
Air Volume(CMM)	17.5
Air Velocity	Air Jet: 23-35(m/s) ≈ 4500-6000(fpm)
Air Changes(times/hour)	Air Jet: 637 Recirculation: 225
Nozzle Qty.	18 pcs
Air Jet Activation	Photoelectric switch
Recirculating Airflow	Ceiling side or both side
Noise(dBA)	75
Electrical	AC 220V 1ϕ 50/60Hz /480V 3ϕ 50/60Hz(UL)
Power Consumption(VA)	Air Jet: 765 Recirculation: 275
Blower	LNF-6Ex1 *DC Blower
Lighting	20Wx1 *LED Light (Adjustable)
Weight(kg)	300
Structure	Cold rolled steel with baked painting or SUS304



# Roll-up Air Shower

Preparation Area

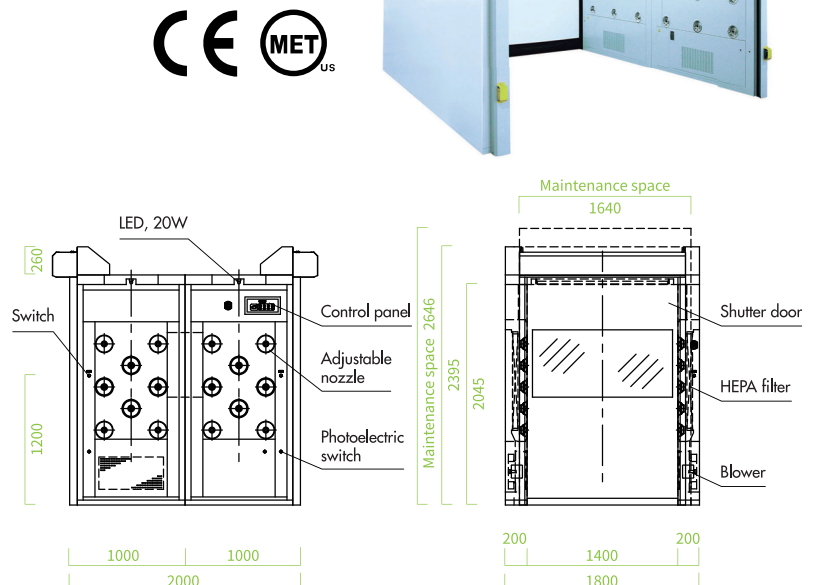
Roll-up material air shower with HEPA and air-jet nozzles for effective decontamination.

- Integrated roll-up shutter door eliminates the need for additional installation space.
- Patented air-jet nozzles provide high-efficiency particle and contaminant removal.
- Automatic energy-saving mode activates during standby.
- DC brushless motors and LED lighting minimize power use and cost.

Energy-saving Streamlined access High-performance decontamination



Model	AAS-1410EARAM-2
Particle Efficiency	Above 99.99% efficient on 0.3µm particles
Dust Collection Element	Main filter: HEPA filter(915x610x50t) x2 Pre-filter: Non-woven filter(300x600x12t) x2
Air Volume(CMM)	Air Jet: 31.2 Recirculation: 11.2
Air Velocity(m/s)	Air Jet: 23-35
Nozzle Qty.	16pcs (Stainless steel SUS nozzle)
Blower	LNF-6E(DCBL-Motor) x2set
Electrical	AC 220V 3ϕ 60Hz
Power Consumption(VA)	Air Jet: 2710
Base	N/A
Structure	Cold rolled steel with baked painting
Interlocking Action	Air Jet: Both doors are interlocked. When one door is opened, the other door is locked.



# Automatic Swing Door Air Shower

Preparation Area

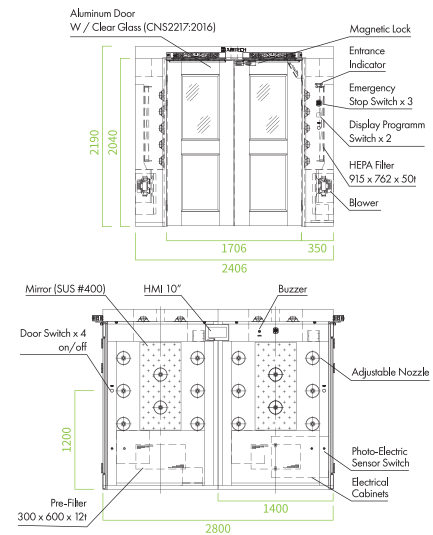
An advanced automatic swing door system that provides completely hands-free, touchless entry, combined with HEPA filtration to efficiently remove surface dust and hair before entry.

- Equipped with an automatic swing door operator for smooth and touchless hands-free access.
- Double-door configurations maximize clearance width, perfect for busy high-traffic entryways.
- Equipped with DC brushless motors and energy-efficient HEPA blowers.
- Customizable sizes and door control configurations to fit various site requirements.

Auto door Energy saving ADA compliance



Model	AAS-1710EARCM-2.8H
Particle Efficiency	Above 99.99% efficient on 0.3 micron size particles
Nozzles qty	48 PCS (STAINLESS STEEL SUS NOZZLE)
Air velocity	Air jet ~ Above 23~25 m/s
Air volume	Air jet ~ Above 46.8 CMM Recirculation air ~ Above 16.8 CMM
Electrical	AC 480V 3Φ 60Hz (TR 2.2KVA, 3Φ 480V - 3Φ 220V)
Prefilters	Non-woven filter, 300x600x12t x4 Pcs
Main filters	HEPA filter, 915x762x50t x4 Pcs
Electrical switches	Air jet auto – manual switch, Fan switch Lighting switch, Photo–electric sensor switch
Blowers	ATS–EC motor, x 4 Set
Construction	Cold rolled steel with baked painting
Light	LED 12W x 8 Set
Power consumption	Air jet ~ About 2500 VA
Interlocking action	<ul style="list-style-type: none"> <li>• Air jet – Both doors are locked.</li> <li>• When each door is opened, the other door is locked.</li> <li>• In case of power failure, locks automatically release for exiting.</li> </ul>



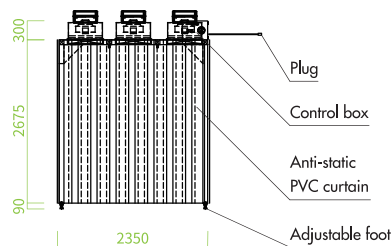
# Clean Booth

Process Area

For drug dispensing, sampling room.

- Anti-static PVC curtain can protect incoming space without cross contamination.
- Negative pressure air flow is available.

Optional! Energy saving



Model	ACB-023015TF-100		
Cleanliness	ISO 5 (Class 100)		
Particle Efficiency	Above 99.995% efficient on 0.3µm particles		
Main Filter	HEPA filter (570x1170x65t) x 3pcs		
Electrical	AC 220V 1Φ 60Hz		
Lighting	LED 2' 20Wx 2sets		
Blower	EMB motor x 3sets		
Structure	Cold rolled steel with baked painting		
Air Volume Adjustment	Hi	Mid	Low
Air Volume(CMM)	45	34.5	27
Air Changes(times/hour)	291	223	174
Power Consumption(VA)	1450	1042	589



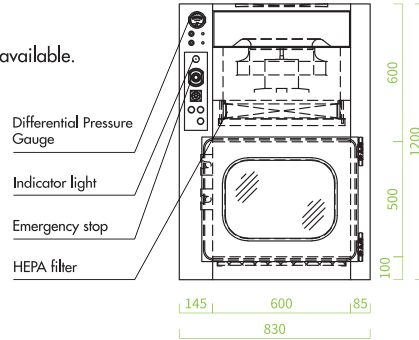
ACB-023015TF-100

# Dynamic Pass Box

Buffer Area

Used for transferring products across different cleanroom classes, ensuring effective control of cross-contamination.

- The front and rear doors feature an interlocking structure.
- When either door is opened, the buzzer sounds.
- Equipped with optional HEPA or ULPA filters.
- Optional fluorescent or UV sterilization light available.



Particle Efficiency	Above 99.99% efficient on 0.3μm particles
Filter Element	Main: HEPA filter x 1 / Pre-filter: Non-woven filter x 2
Air Velocity(m/s)	0.45±20%
Electrical	AC 220V 1Φ 50/60Hz
Blower	DC motor
Lighting	LED&UV light
Structure	Stainless steel SUS304(HL)

# Hand Washer Dryer

Preparation Area

Brushless DC fan motor, Automatic sensor for monitoring.

- Built-in HEPA filter.
- Utilizing microcomputer control, all programs can be customized according to specific needs.
- Optional UV sterilization lamp to prevent bacterial proliferation.

Quiet! Hygienic Energy-saving



AHD-30DW

Model	AHD-30DW	AHD-145DW-DC
Particle Efficiency	Above 99.97% efficient on 0.3μm particles	
Dust Collection Element	Main Filter: HEPA filter x 1 Pre-filter: Non-woven filter x 1	
Air Volume(CMM)	1.7	1.67
Air Velocity(m/s)	30(by the heater)	145
Power Consumption(VA)	2000	1350
Dimension(WxDxH)(mm)	600x600x1850	620x505x1103
Electrical	AC 110/220V 1Φ 60Hz	AC 110V 1Φ 50/60Hz
Structure	Main body: Electroplated galvanized steel plate Sink: Stainless steel	
Others	The sterilization lamp will activate when the cover is closed.(AHD-145DW-DC)	

# Fan Filter Unit

Process Area

DC high-efficiency energy-saving motor, low noise, and optimal cleanroom air quality.

- Meet the safety requirements of EU directives.
- Set high-efficiency HEPA filter to effectively filter suspended particles in the air.
- The main body material can be selected on demand: steel plate baking varnish, SUS430, aluminum-zinc plate.
- It is used to supply purified air to cleanrooms, laboratories, medical facilities by removing airborne particles.

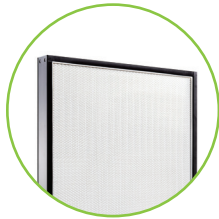
DC motor For generally use



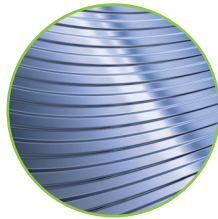
FFU-TD35E



DC brushless motor

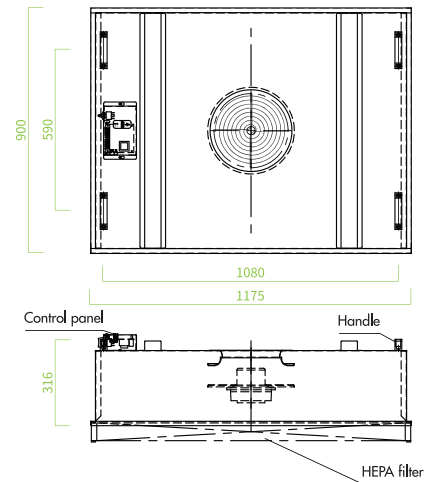


HEPA filter



Diversified materials

Model	FFU-TD30E	FFU-TD36E
Particle Efficiency	Above 99.99% efficient on 0.3µm particles	
Box Size(WxDxH)(mm)	1175x1175x221	895x1170x316
Main Filter	HEPA filter (1175x1175x50t)	HEPA filter (895x1170x50t) Fire certification(UL900)
Electrical	AC 220V 1Φ 50/60Hz	AC 220V 1Φ 50/60Hz
Air Volume(CMM)	30	36
Air Velocity(m/s)	0.4	0.73
Power Consumption(VA)	160(W)	720(VA)
Structure	Steel plate baking varnish / Stainless steel SUS430 / Aluminum-zinc plate	



# EC-MAC

Process Area

Ultra-thin fan filter unit with SUS430 housing and EC motor, delivering durability, and energy savings.

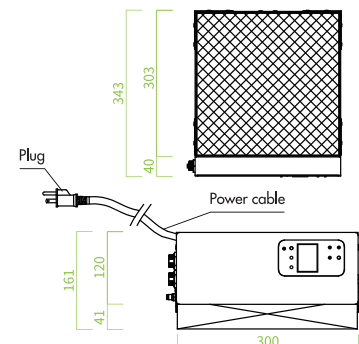
- Suitable for any cleanroom and process equipment setup.
- Provides reliable clean airflow to maintain contamination-free.
- Polished stainless steel surface with excellent chemical and corrosion resistance.

High durability Efficiency & Energy saving Positive pressure ventilation



MAC-ED5E

Model	MAC-ED5E
Particle Efficiency	Above 99.99% efficient on 0.3µm particles
Main Filter	HEPA filter (300x300x50t) x 1
Air Volume(CMM)	1.9
Air Velocity(m/s)	0.45
Power Consumption(W)	12~54
Weight(kg)	8(with HEPA filter)
Electrical	AC 100~240V 1Φ 50/60Hz
Structure	Stainless steel SUS 430(#400)



# Fan Filter Unit

Process Area

Fan filter unit with brushless DC motor for superior clean air and space-saving cleanroom use.

- High-quality fan and high-efficiency motor reduce energy consumption.
- Air velocity and volume can be adjusted to meet different situation.
- Wind deflector is anti-aging to prevent the secondary pollution.

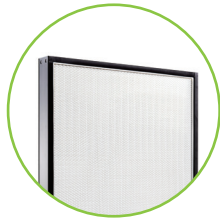
Durable! Space-saving



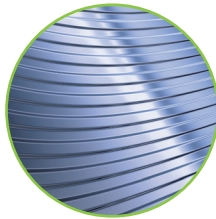
FFU-UL



Brushless DC Motor



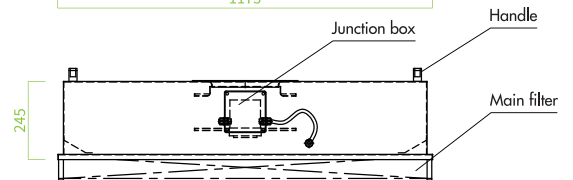
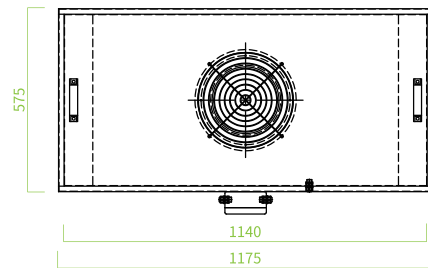
HEPA filter



Diversified materials

Model	FFU-UL
Particle Efficiency	Above 99.99% efficient on 0.3µm particles
Main Filter	HEPA filter 570x1170x52t (UL900)
Electrical	AC 220V 1Φ 50/60Hz
Air Volume(CMM)	34.1
Air Velocity(m/s)	0.95
Power Consumption(VA)	720
Structure	Stainless steel SUS 430 (#400)

\*Specifications may vary depending on customization. Information is provided for reference only.



# EC-MAC

Process Area

A compact, customizable HEPA unit with mirror-polished stainless steel, resistant to chemicals and corrosion.

- Low vibration, high stability, and low power consumption.
- Prevents dust particles from entering sensitive areas.
- Flexible air volume adjustment according to requirements.

Excellent durability Positive pressure



MAC-201E

MAC-101E

MAC-51E

Model	MAC-51E			MAC-101E			MAC-201E		
Particle Efficiency	Above 99.97% efficient on 0.3µm particles								
Electrical	AC 220V 1Φ 60Hz								
Structure	Steel plate bake painting / SUS430								
Electrical	AC 220V 1Φ 60Hz								
Operation Indicator	High brightness red LED *Luminous lampshade								
Dimension(WxDxH)(mm)	500x500x136			610x610x136			610x1220x136		
Filter Dimension	HEPA(500x500x50t)x1pc			HEPA(610x610x50t)x1pc			HEPA(610x1220x50t) or ULPA(610x1220x65t)x1pc		
Operating Speed	Hi	Mid	Low	Hi	Mid	Low	Hi	Mid	Low
Air Volume(CMM)	7.4	6.2	5.3	9.6	8.6	6.9	20	16	27
Air Velocity(m/s)	0.56	0.47	0.40	0.47	0.42	0.34	0.48	0.38	0.31
Power Consumption(VA)	170	130	110	170	130	110	340	260	220

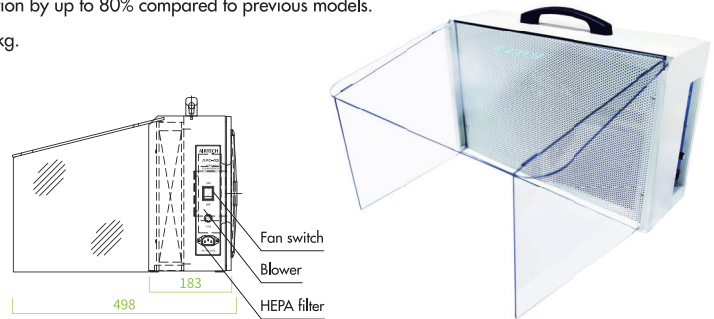
# Desktop Clean Bench

Process Area

Compact, lightweight, and portable clean bench.

- Equipped with an energy-efficient DC brushless motor, reducing power consumption by up to 80% compared to previous models.
- Lighter and more portable than previous models, with a weight reduction of 1.5 kg.

Model	APC-43
Cleanliness	ISO 5 (Class 100)
Particle Efficiency	Above 99.99% efficient on 0.3µm particles
Main filter	HEPA filter
Pre-filter	Nylon mesh cover
Electrical	AC 110-240 1Φ 50/60Hz
Air Volume(CMM)	3.3
Air Velocity(m/s)	0.35
Power Consumption(VA)	20
Structure	Body:Steel sheet baked painting Front panel: PC(5mm ) Side panel: PET(5mm)



APC-43

# Air Curtain

Receiving Area

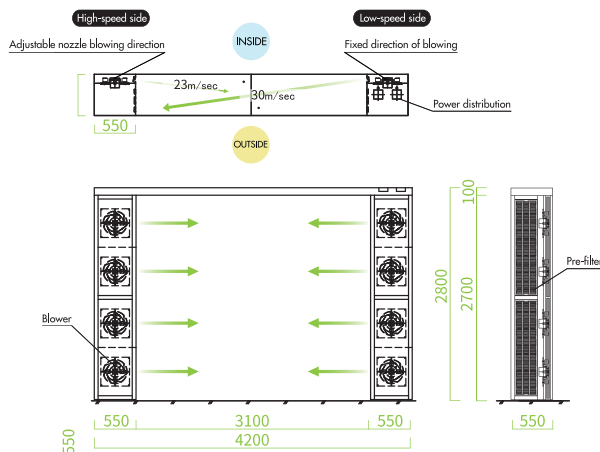
Patent granted

Reliable insect and particle control for semiconductor cleanrooms, ensuring compliance with strict cleanliness standards. Available in standard and custom models to fit various layouts, ESD zones, and airflow requirements.

## Unbalanced Airflow System

Innovative patented airflow system generates directional flow via high-low velocity differentials, boosting insect-repelling efficiency. Maintains laminar flow integrity—ideal for critical cleanroom environments.

- By using high-efficient, energy-saving, brushless DC turbofans.
- The turbulent flow system achieves high insect repellency effectiveness.
- Pairing fast roll-up doors with interlock systems can save energy.
- The blowing position is adjustable between high and low speeds.



Model	ACC-3127-H30
Particle Efficiency	Nelon filter
Air Volume(CMM)	125
Air Velocity(m/s)	High: 30/Low:23
Electrical	AC 220V 3Φ 50/60Hz
Power Consumption(VA)	7760
Nozzle Qty.	8
Weight(kg)	300
Structure	Cold rolled steel with baked painting

\*Brushless DC Turbofan (LNF-6D)

Insect-proof Air Curtain



AAC-3127-H30

# Clean Viewer

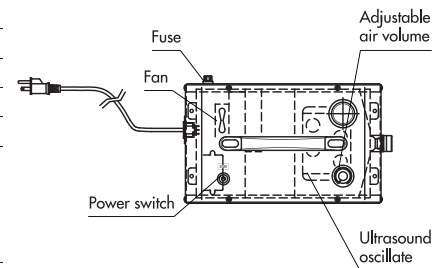
Testing Devices

Delivering dense, ultra-fine fog to visualize airflow, detect leaks, and validate HVAC performance with unmatched clarity and compliance.

- Provides clear, high-visibility fog for airflow recording.
- Passive fog with adjustable volume and velocity for accurate airflow validation.
- Corrosion-resistant SUS 304 body, ergonomic handle, and automatic power cut-off for reliable operation.
- Generates approximately 5 liters of fog per hour, enhancing fog visibility.



Model	ACV-600T	ACV-800T
Dimension(WxDxH)(mm)	220x360x220	250x360x220
Watertank Capacity(ml)	3,500(pour water 2,275)	4,000(pour water 2,800)
Vapor Volume(ml/hr)	2,600	5,000
Usage time(mins)	50	30
Air Volume(CMM)	0.4	0.55
Weight(kg)	8(without water)/11(full)	9.5(without water)/13.5(full)
Electrical&Power Comsumption(VA)	AC 100~240V/225VA	AC 100~240V/310VA
Structure	SUS 304	SUS 304
Standard Accessories	tube diffuser $\phi$ 42.2mm x150cm x1 pc extension tube L=50cm x1 pc single-perforation tube L=50cm x1 pc perforated tube L=50cm x1 pc	tube diffuser $\phi$ 60.3mm x300cm x1 pc conical tube L=15cm x1 pc perforated tube L=60cm x1 pc



## Product Solutions

### Air Shower Series

Energy-saving cleanroom air showers with HEPA filtration, and compact DC blowers.

### FFU Series

Energy-efficient fan filter units delivering 99.99% HEPA-filtered air for cleanroom purity.

### Clean Booth Series

Modular clean booths offering ISO 3–8 flexibility and cost-effective solutions.

## AIRTECH SYSTEM CO., LTD.

+886-3-610-5668  
 info@air-tech.com.tw  
 +886-3-597-2734  
 www.air-tech.com.tw

Plant 1  
 No.58-1, Guangfu Road, Hsinchu Industrial Park. Hsinchu County 303-51, TAIWAN

Plant 2  
 No.84, Guangfu N. Rd, Hsinchu Industrial Park. Hsinchu County 303-51, TAIWAN



· Due to printing factors, product photo colors may differ from actual product colors.  
 · For product-related inquiries, please feel free to contact us at any time.