



KWANG Catalog

WUXI KWANG PURIFICATION CO., LTD

KWANG



About Kwang



KWANG PURIFICATION CO., LTD can provide cleanroom turnkey solution to our customers in various industries, such as pharmaceutical, micro-electronics, laboratory, hospital, food processing, etc. from design, manufacturing, installation, commissioning, validation to after-sales services.

KWANG is not only a cleanroom turnkey solution provider, but also a cleanroom product manufacturer and supplier, such as sandwich panel, cleanroom door and window, air filter, air shower, pass box, clean bench, etc.

Cleanroom Turnkey Solution, just like one-stop service, can save our customers from money and time-consuming situation.

KWANG has always pursued the principle of "Quality is our culture". We will do our best to create an easy, safe, comfortable and clean environment for you!

Easy purification, only for you!



Kwang & Certification





Kwang & Partners



Clean Room

KWANG





Aseptic Purification Workshop Of Food Factory



100,000 class food SC aseptic cleanroom



Electronic Dust Free Workshop



SAMSUNG Electronics (Bangladesh)



GMP Workshop For Medical Devices



Medical device GMP sterile clean room



Dust Free Workshop Of Printing Industry



Class 100,000 printing and packaging dust-free cleanroom



Blow Molding Film Purification Workshop



100,000 grade blown film and laminated film workshop purification project



Purification Projects In Other Industries



Aseptic inoculation workshop for edible bacteria



Cloud computing system integration 100,000 class clean workshop design,
installation, testing and commissioning delivery
Project Location: Nanjing



PCB TV assembly workshop 100,000-class constant temperature and
humidity clean workshop
Project Location: Samsung Electronics (Bangladesh) factory



Project Case



Constant temperature and humidity class 10,000 sterile clean workshop
for anastomosis and lumpectomy medical devices
Location: Wuxi, Kunshan



Class 100,000 cleanroom for IOT technology center
Location: Jiaxing



Project Case



Medical device class 100,000 5G intelligent IOT clean workshop phase I project
Location: Haining, Zhejiang

Medical device 100,000 level 5G intelligent IOT clean workshop phase II project
Location: Haining, Zhejiang



Disposable incision retractor fixator 100,000 class clean and sterile workshop
Location: Wuxi



Medical disposable consumables 100,000 level sterile clean workshop
Location: Changzhou



Medical equipment and helmet painting line clean workshop
Location: Taizhou



Medical device endoscope production 100,000 class clean workshop
Location: Changzhou

Air Shower

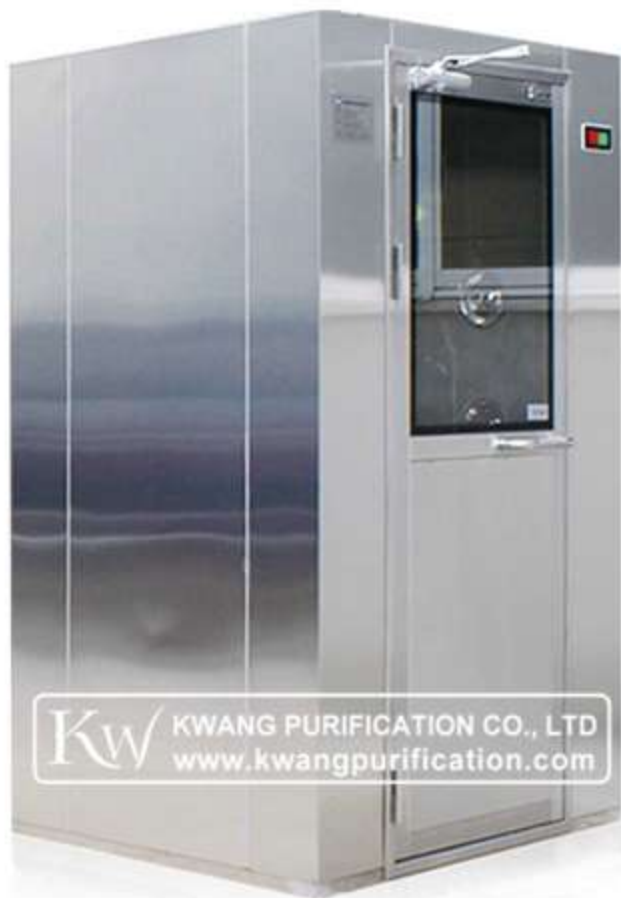
KWANG



Kw KWANG PURIFICATION CO., LTD
www.kwangpurification.com



Air Shower Introduction



The air shower room is necessary for people to enter the clean room. It can reduce the pollution caused by people entering and leaving the clean room.

the clean air blown out by the air shower can remove the dust from the person and the cargo, which can effectively block or reduce the dust source entry. The two doors in the air shower room are electronic interlocks, which can act as a buffer to prevent the unpurified air from entering the clean area.



Germany DORMA
door closers



Wind
speed>25m/s



Japan Omron
photoelectric switch



Philips LED
lighting fixtures



Installation Case



Application of air shower room in dust-free workshop of printing industry



Application of air shower room in blow molding film purification workshop



Application of air shower room in purification workshop



Application of air shower room in purification workshop



Application of air shower room in purification workshop



Application of air shower room in purification workshop



KW KWANG PURIFICATION CO., LTD
www.kwangpurification.com

Stainless Steel Air Shower

Model: KW-S2 (Suitable for 2-3 people)

Material: SUS304

Overall Dimension(mm): 1400(W)*2000(D)*2100(H)

Air Shower Area Dimension (mm): 800(W)*1900(D)*1960(H)

Nozzle Number: 24(two-side blowing)

Nozzle Material: stainless steel

Diameter of Nozzle Mouth: $\Phi 30\text{mm}$

Air Velocity at the Nozzle: $\geq 25\text{m/s}$

Filters: pre-filter*4pcs, HEPA filter*4pcs, filters are produced in Class 10,000 clean room;

Efficiency: $\geq 99.995\%$ (sodium flame method), particle size $\geq 0.3\mu\text{m}$

Lamp: LED lamp*2pcs

Air Shower Mode: automatic and manual

Fan: low-noise, high-pressure, centrifugal fan*4pc; Power: 2.2KW

Shower Time: 0-99s adjustable

Control Panel: LCD Display, New touch-screen panel, Electronic Interlocking

Power Supply: 380V, 50Hz, Three-phase five-line (can be customized)

Package: wooden case

Door: Manual Door (Pull the handle to open)

Model	KW-AS-1	KW-AS-2	KW-AS-3	KW-AS-4
Material	Available in 100% SUS304 Stainless Steel and or High-Quality 1.2 mm Cold-Rolled Steel Plate			
Users	1	2-3	3-4	6-8
Exterior Size	1400W x 1000D x 2100H(mm)	1400W x 2000D x 2100H(mm)	1400W x 3000D x 2100H(mm)	1400W x 4000D x 2100H(mm)
Interior Size	800W x 900D x 1960H(mm)	800W x 1900D x 1960H(mm)	800W x 2900D x 1960H(mm)	800W x 3900D x 1960H(mm)
Air Shower Time	0- 99s (Adjustable)			
Number of Nozzle	12(Two Sides)	24(Two Sides)	36(Two Sides)	48(Two Sides)
Mouth Diameter of Nozzle	Φ30mm			
Air Velocity	> 25 m/s			
Primary Filter Efficacy	G4 Filter			
Hepa Filter Efficacy	H14 0.3μm 99.995%			
Primary Filter Size	595W*295D*22H(mm)			
Hepa Filter Size	600W × 600D × 120H(mm)			

Cargo Air Shower

KWANG



Kw KWANG PURIFICATION CO., LTD
<http://www.kwangpurification.com>



Cargo Air Shower Introduction



Clean Room Cargo Air Shower is specialized antechamber which personnel and cargoes need to pass through before entering clean rooms in order to decontaminate. Decontamination is done by clearing off dust and dirt particles from personnel and cargoes to minimize contamination of equipment or products.

In fields where sterile or dust-free conditions are critical, for example, life science and biomedical research, pharmaceutical, parenteral drug, microelectronics, aerospace and precision manufacturing, cargo air shower is considered essential equipment.



Germany SEW motor
Xinjie servo motor



Fast Shutter
Color Selection



PLC Control System



Airbag and
grille light curtain



Application of air shower room in purification workshop



Application of air shower room in purification workshop



Installation Case



Application of air shower room in purification workshop



Application of air shower room in purification workshop

Cargo Air Shower

1. Material: SUS304
2. Outer size(mm): 3650W*3050D*3550H
3. Inner size(mm): 3050W*3050D*3050H
4. Air shower nozzle: mirror stainless steel nozzle, 60pcs, embedded installation, distributed on both sides.
5. Purify fan: special purify centrifugal low noise fan, 6 sets, 1.1KW/Set.
6. Blowing speed: double blow, 25-30m/s, high wind speed to ensure the showing effect.
7. Showing time: EVIEW touch-screen, showing shower time (0-99S adjustable).
8. Control system: PLC system, procedures can be customized according to requirements, with OTS fault display function (fault code is displayed directly on the screen).
9. Control panel: 7.1inch smart ENGLISH touch screen, touch-screen with two level password protection measures to prevent any set of employees.
10. Filter efficiency: three level filter, primary and medium prefilter G4 (5um), washable, primary filter is made and punched from the main plate of the air shower room, beautiful and strong, high air permeability.
11. HEPA filter: 99.99% filter efficiency, filter installation is smooth, firm, filter & frame and frame & wall panel is no leakage, medium efficiency filter and frame use EVA seal.
12. Illumination: embedded 7W Philips LED lamp, 3pcs, with function of time delay
13. Body main material: inside and outside use 1.2mm SUS304 stainless steel, brushed surface, food and medical special grade.
14. Sealing performance: making fine and beautiful. The assembly structure is adopted, the sealing strip is added at the joint. After the installation of the whole equipment, there is no leakage.
15. Doors: "JAB" automatic induction door, JAB transformer. electrical appliances use PLC control program, double doors to achieve electronic interlock.
16. Power supply: 380V 50Hz, 3Phase
17. Main electrical components: Schneider air switch, and Schneider contactor
18. Sealant: USA "DOW CORNING" neutral sealant, environmental protection, no smell.
19. Safety measures: inside and out of the door electric control box installed red "rush stop" button, in an emergency, press the button, the system power break, double doors at the same time open for escape.
20. Installation: Customer install at site
21. Warranty: 1 year

Automatic Sliding Door Air Shower

KWANG





Automatic Sliding Door Air Shower Introduction



Automatic sliding door by photoelectric sensor. When personnel enter air shower, the door will open automatically.

When personnel go out of it, the door will be closed automatically.

The control system run automatically, the two doors electronically interlocked, with photoelectric sensor (one door in open state, the other door must be in closed state. When personnel enter it, the system will shower automatically by photoelectric sensor)



FUJI Sensor
Whole Glass Door



3M And EVA Double
Sealing Strip



360 Degree
Rotate Nozzle



PLC control panel
Emergency button



Installation Case



Application of air shower room in purification workshop



Application of air shower room in purification workshop



Installation Case



Application of air shower room in purification workshop



Application of air shower room in purification workshop

Automatic Sliding door Air Shower

1.Material: SUS304

2.Outer size(mm):1700W*3240D*2200H

3.Inner size(mm):1100W*3000D*19600H

4.Air shower nozzle: mirror stainless steel nozzle,36pcs, embedded installation, distributed on both sides.

5.Purify fan: special purify centrifugal low noise fan, 6 sets, symmetrical installation on both sides.

6.Blowing speed: double blow, 25-30m/s, high wind speed to ensure the showing effect.

7.Showing time: EVIEW touch-screen, showing shower time (0-99S adjustable).

8.Control system: PLC system, procedures can be customized according to requirements, with OTS fault display function (fault code is displayed directly on the screen).

9.Control panel: 7.1 inch smart touch screen, with two level password protection measures to prevent any set of employees.

10.Filter efficiency: three level filter, primary and medium prefilter G4 (5um), beautiful and strong, high air permeability.

11.High efficiency filter: 99.995% (0.3um) filter efficiency, filter installation is smooth, firm, filter & frame and frame & wall panel is no leakage, high efficiency filter and frame use EVA seal.

12. Illumination: embedded 7W LED lamp,3pcs,with function of time delay

13. Sealing performance: making fine and beautiful. The assembly structure is adopted, the sealing strip is added at the joint. After the installation of the whole equipment, there is no leakage.

14. Doors: "JAB" automatic induction door, JAB transformer. electrical appliances use PLC control program, double doors to achieve electronic interlock.

15.Infrared induction: infrared sensor probe

16.Power supply:380V 3Phase,50Hz



Corner Air Shower



Corner Air Shower

Model: KW-S1 (Suitable for 1-2 people)

Material: Power coated steel

Overall Dimension(mm): 1400(W)*1000(D)*2100(H)

Air Shower Area Dimension (mm): 800(W)* 900(D)*1960(H)

Nozzle Number: 12(two-side blowing)

Nozzle Material: stainless steel

Diameter of Nozzle Mouth: $\Phi 30\text{mm}$

Air Velocity at the Nozzle: $\geq 25\text{m/s}$

Filters: pre-filter*2pcs, HEPA filter*2pcs, filters are produced in Class 10,000 clean room;

Efficiency: $\geq 99.995\%$ (sodium flame method), particle size $\geq 0.3\mu\text{m}$

Lamp: LED lamp*1pc

Air Shower Mode: automatic and manual

Fan: low-noise, high-pressure, centrifugal fan*2 pcs;

Power: 1.1KW

Shower Time: 0-99s adjustable

Control Panel: LCD Display, New touch-screen panel, Electronic Interlocking

Power Supply: 380V, 50Hz, Three-phase five-line (can be customized)

Package: wooden case

Door: Manual Door (Pull the handle to open)



Corner Air Shower





Vertical Clean Bench



KW-CB-V1 Single Person Vertical Flow Clean Bench

Number of Aerobic Plate: $\leq 0.5/\text{m}^3$

Filtration Efficiency: $\geq 0.3\mu\text{m}$ (for the diameter of particle)
 $\geq 99.995\%$ (for the dust with sodium flame method)

Average Air Flow Speed: $\geq 0.5\text{m/s} \pm 20\%$ (adjustable)

Noise: $\leq 62\text{dB (A)}$

Vibration: $\leq 3\mu\text{m}$ (in the directions of X, Y, Z)

Illumination: $\geq 300\text{lx}$

Power Supply: 220V 50Hz

Illumination Lamp: 20W \times 1

Ultraviolet Lamp: 20W \times 1

Max. Power Consumption: 400W (Rated Power)

Outside Dimension (W \times D \times H): 990 \times 750 \times 1620mm

Dimension of Operation Area: 830 \times 700 \times 520mm

Dimension: Medium Efficiency Air Filter: 437 \times 390mm

High Efficiency Air Filter: 790 \times 600 \times 120mm



Horizontal Clean Bench



KW-CB-H1 Single Person Horizontal Flow Clean Bench

Technical Parameters

Number of Aerobic Plate: $\leq 0.5/\text{m}^3$

Filtration Efficiency: $\geq 0.3\mu\text{m}$ (for the diameter of particle)
 $\geq 99.995\%$ (for the dust with sodium flame method)

Average Air Flow Speed: $\geq 0.5\text{m/s} \pm 20\%$ (adjustable)

Noise: $\leq 62\text{dB (A)}$

Vibration: $\leq 3\mu\text{m}$ (in the directions of X, Y, Z)

Illumination: $\geq 300\text{lx}$

Power Supply: 220V 50Hz

Illumination Lamp: 20W \times 1

Ultraviolet Lamp: 20W \times 1

Max. Power Consumption: 400W (Rated Power)

Outside Dimension (W \times D \times H): 900 \times 720 \times 1420mm

Dimension of Operation Area : 860 \times 520 \times 600mm

Dimension: Medium Efficiency Air Filter: 500 \times 500mm

High Efficiency Air Filter: 820 \times 600 \times 50mm

Weight: 110kg



Horizontal Clean Bench



Two sides light and UV light



SUS304 stainless steel arc of corner



Class 100 wind flow laminar



UV Light 20w*2 Exsited in two sides



computer control panel plug



pri-filter easier changed



pri-filter easier changed



Move wheel and universal wheel



High efficiency filter Aluminum frame

KW-CB Series Cleanroom Clean Bench Spec Sheet

Model	KW-CB-V1	KW-CB-H1	KW-CB-V2	KW-CB-H2
Airflow Direction	Laminar	Horizontal	Laminar	Horizontal
Users	1	1	2	2
Exterior Size	990W x 750D x 1620H(mm)	900W x 720D x 1420H(mm)	1500W x 750D x 1620H(mm)	1500W x 720D x 1420H(mm)
Interior Size	830W x 700D x 520H(mm)	860W x 520D x 600H(mm)	1360W x 700D x 520H(mm)	1460W x 520D x 600H(mm)
Hepa Filter Size	820*600*50*1 pcs	820*600*50*1 pcs	650*600*50*2 pcs	820*600*50, 600*600*50
Fan Power	400W x 1	400W x 1	400W x 2	400W x 2
Lighting	20W x 2	20W x 1	20W x 2	40W x 1
UV Lamp	20W x 2	20W x 1	20W x 2	40W x 1
Material	Available in SUS304 Stainless Steel or 1.2mm High-Quality Cold-Rolled Steel Plate			
Weight	110kg	110kg	160kg	160kg

Static Pass Box

KWANG





Static Pass Box



Static Pass Box:

Unidirectional flow type air purification equipment that provides a local sterile and dust-free working environment.



KW KWANG PURIFICATION CO., LTD
www.kwangpurification.com

KW-PB-600 Static Pass Box

Model: KW-PB-600

Material: SUS 304

External Dimension(mm):800(W)*660(D)*730(H)

Internal Dimension(mm): 600(W)*600(D)*600(H)

The internal circular plate chamfering processing, no dead angle
Microcomputer control panel, with UV light, timing, magnetic lock,
double insulating glass embedded door, SS304, inside bottom arc
design, Double hollow toughened glass observation window
EVA sealing to ensure the tightness

Power supply: 220V,50Hz

Dynamic Pass Box

KWANG





Dynamic Pass Box





KW-DPB-600 Dynamic Pass Box

Model: KW-DPB-600

External Dimension(W*D*H): 800x660x1200mm

Internal dimension(W*D*H):600x600x600mm

Materia: SS304

Filter: G4 + H13, Air velocity: 0.45-0.55m/s

Radiused corners and continuous welded joints, easily cleaned.

Double-glass security windows

UV germicidal lamp, Interlock system

Magnetic lock with timing control system

Power supply: 220V 50Hz

Cleanroom Window

KWANG





Cleanroom Window



KW KWANG PURIFICATION CO., LTD
www.kwangpurification.com

Cleanroom Door

KWANG



Kw KWANG PURIFICATION CO., LTD
www.kwangpurification.com



Aluminum Alloy Frame Clean Door





Aluminum Alloy Frame Steel Door





Electric Sliding Clean Door





Medical Electric Airtight Sliding Door

KWANG



KWANG PURIFICATION CO., LTD
www.kwangpurification.com





Medical Electric Airtight Sliding Door





Garage Door

KWANG





Garage Door





Industrial Door

KWANG





Industrial Door





Rapid Rolling Door

KWANG





Rapid Rolling Door



Clean Room panel

KWANG





Clean Room panel



magnesium oxide sandwich panel



Rock wool (glass wool) handmade panel



Hollow glass magnesium sandwich panel



Aluminum honeycomb sandwich panel



silicon rock sandwich panel



Paper honeycomb handmade panel



Clean Room panel





Clean Room panel

KW Cleanroom panel Spec Sheet

Whole panel thickness	50mm/75mm/100mm/150mm/200mm
Recommended length	6000mm
Ceiling panel length	3000mm
Manufacture width (positive standard)	1180mm
Production width (non-standard)	50mm-1180mm
Whole plate weight	16kg/m ²
Core	High strength fire sulphur
Thermal insulation performance	0.5kcal/m ² /h/°C
Sound insulation performance	30dB
Toxicity of tobacco	Toxicity AQ2, which is an environmentally friendly product, does not produce harmful gases such as tobacco poisons in case of fire.
Fireproof level	A1
Features	Non-standard, line pipe, switch, hole factory prefabrication

KWANG



Qianzhou Industrial Park, Huishan
District, Wuxi City, Jiangsu Province,
China



Mobile, Wechat & WhatsApp:
+86 13921198925



Email:
katherine.wang@kwangpurification.net
easypurification@126.com

<https://www.kwangpurification.com/>



We come from different countries, but we share the same world & dream!