CROWN 皇冠



CROWN SMARTDOOR & CLEANROOM (CAMBODIA) CO., LTD.

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Production Base: SHENGSHI CONSTRUCTION ENGINEERING MATERIALS (Suzhou) CO., LTD.

CROWN SMARTDOOR & CLEANROOM (CAMBODIA) CO., LTD.

CLEAN ROOM SUPPORTING PRODUCTS PROFESSIONAL

PROVIDE ONE-STOP SOLUTION FOR PURIFYING DOORS AND WINDOWS

ABOUT CROWN

About CROWN

CROWN SMARTDOOR & CLEANROOM (CAMBODIA) CO., LTD. is headquartered in Phnom Penh, Cambodia, serving the Kingdom's pharmaceutical, electronics, food and healthcare industries with complete cleanroom and automatic door solutions. All products are manufactured at our own production base - Shengsheng Construction Engineering Materials (Suzhou) Co., Ltd., located in Jinjiaba, Wujiang, Suzhou, known as "the largest air purification capital in China" and "the concentrated production area of national color steel plate".

The Suzhou production base specializes in clean doors and Windows, steel doors, melamine doors, ward doors, automatic sealed doors, anti-collision doors, medical doors, electric flat doors, aluminum alloy clean doors, fast rolling doors and heat insulation fire clean doors. With a complete R&D, design, manufacturing and sales system, the factory supplies clean door and Window series for pharmaceutical, electronics, biology, food and hospital operating room workshops. It was among the first in the industry to pass the ISO9001 quality certification system, and has obtained a number of utility patents and honorary certificates.

CROWN Cambodia combines local project experience with the manufacturing strength of our Suzhou base: fast quotation, on-site measurement, professional installation and after-sales service throughout the country. We always adhere to the principle of technological progress and continuous innovation, and keep introducing first-class production equipment such as fiber laser cutting machines, CNC bending machines, CNC cutting machines and CNC engraving machines, so as to deliver stable quality and shorter lead times for every project.

From quotation and shop drawings to delivery and installation, we provide one-stop service for cleanroom partitions, clean doors, pass boxes, air showers, weighing rooms and modular operating rooms - all backed by the ISO9001 quality system and fast production capacity of our Suzhou factory.

CROWN products

Professional clean door series is: spray steel clean door, middle type steel door, steel clean door, stainless steel door, civil door, safety escape door, purification door, manual/automatic translation door, PVC quick roll door, automatic anti-collision door
Double-layer clean observation window, transfer window, air shower, weighing room, filter

Applicable environment


Pharmaceutical workshop


Electronic building


Laboratory


Food building


Nosocomium


Cosmetic workshop

ENTERPRISE QUALIFICATION CERTIFICATE



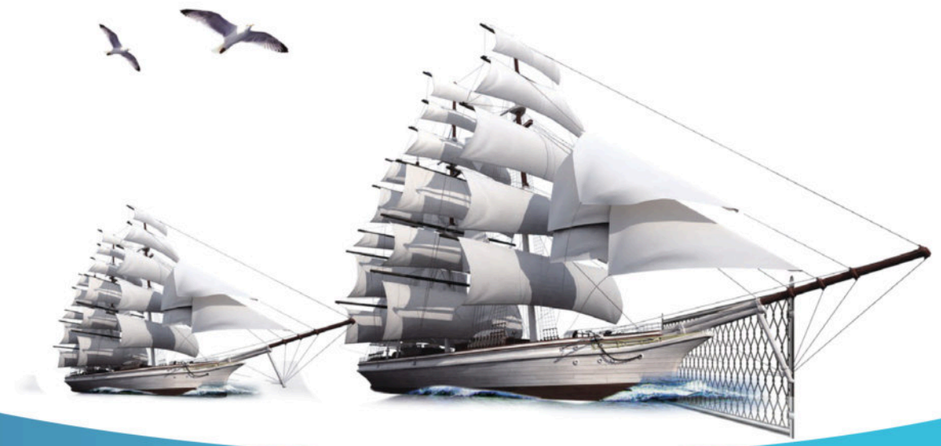

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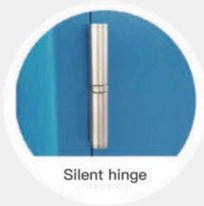

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CONTENT

ABOUT CROWN	01
ENTERPRISE QUALIFICATION CERTIFICATE	02
CUSTOM ACCESSORIES	04
SPRAY STEEL CLEAN DOOR	05
FREE CRASH DOOR	06
CENTRAL STEEL DOOR	07
STAINLESS STEEL DOOR	11
CONSTRUCTION DOOR	13
MANUAL/AUTOMATIC SLIDING DOORS	15
PVC QUICK ROLL DOOR	17
ARTS	22
DOUBLE CLEANING WINDOW	23
SAFE ESCAPE DOOR	25
PURIFICATION DOOR	26
PASS-THROUGHS	27
AIR SHOWER	28
WEIGHING ROOM	29
ELECTROLYTIC STEEL PLATE	30
PANEL-CLAD OPERATING ROOM	31
MODULAR QUICK-INSTALL SURGICAL ROOM	33
MEDICAL EQUIPMENT CABINET	35
INTELLIGENCE PANEL	37
POWER SOCKET BOX	39
MEDICAL GAS TERMINAL BOX	40
MEDICAL VIEWING LIGHT	41
WRITING DESK	42
LAMINAR AIR SUPPLY CEILING	43
RETURN AIR BOX	44
REFRIGERATION AND COLD STORAGE CABINET	45
MEDICAL HANDWASHING SINK	46
CLEANING MECHANISM PLATE	49



CUSTOM ACCESSORIES



Silent hinge



Polyurethane foam



Split execution lock

Remark

★According to customer needs, different brands of hardware can be selected;

★Door frame sealing strip, door seal strip can be selected;

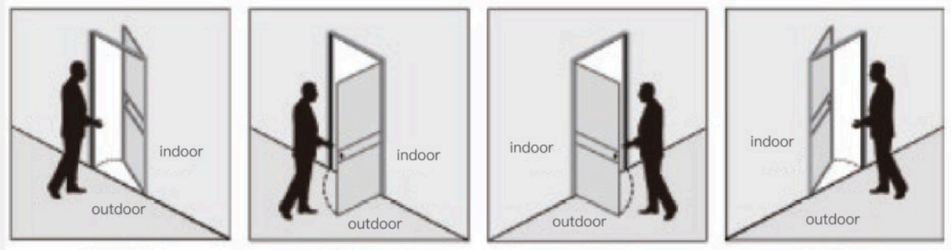
★Surface color can be selected according to customers;







Steel door opening diagram (people standing outside)



Inside-right　Out right　Out left　Inside-left

SPRAY STEEL CLEAN DOOR



Sexual energy

Steel door frame, door panel are made of jointed, the surface is sprayed, the whole smooth, easy to clean, no dust; The three sides of the door adopt advanced rubber and plastic sealing strip, the bottom selection of automatic lifting sweeping strip, strong air tightness, effectively ensure the indoor purification effect; The observation window is made of double-layer tempered glass, surrounded by two centimeters of black edge (white edge), the glass is flush with the surface of the door panel, that is, the seal is firm, but also beautiful; The thickness of the door panel is 50mm, and the core material is filled with high-strength flame-retardant core material, which fully meets the requirements of the purification workshop.

The wall suitable for installation of this door is 50mm-100mm hand-colored steel plate and various sizes of civil walls, the door frame and the wall are connected with Chinese aluminum, simple operation, the door frame and the wall are flush on both sides, whether from the point of view of strength or beauty, it is the best choice for the purification workshop. Product size, material and special requirements can be customized according to customer needs.

Door regular window



On the outside
on the inside



Square on the outside
and round on the inside



Round outside
round inside





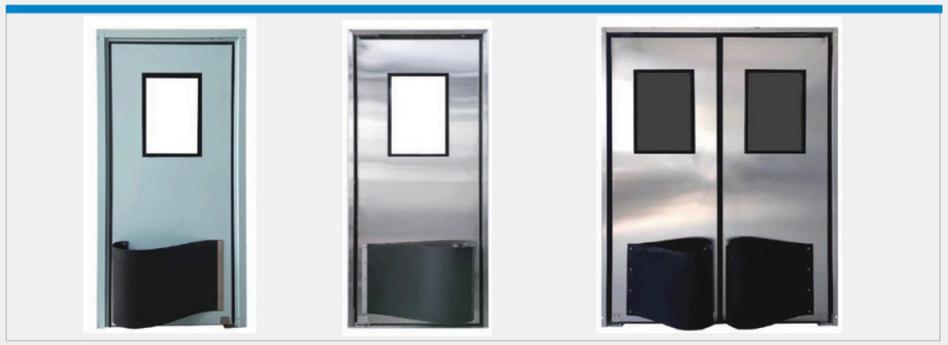


※The conventional window size of the door is :400*600mm(can be customized according to customer needs);
※Screen printing around the window is: black, white, the inner frame can be selected according to customer requirements;

FREE CRASH DOOR



Free anti-collision door is the highest free door used in industrial workshops at present. The door panel is made of stainless steel and anti-collision rubber plates are added on both sides of the door body. It has the characteristics of transparency, safety, lightness, power free, no noise, simple installation, corrosion resistance and long service life.



*According to the requirements of the demand side of the project length and width, combined installation

CENTRAL STEEL DOOR



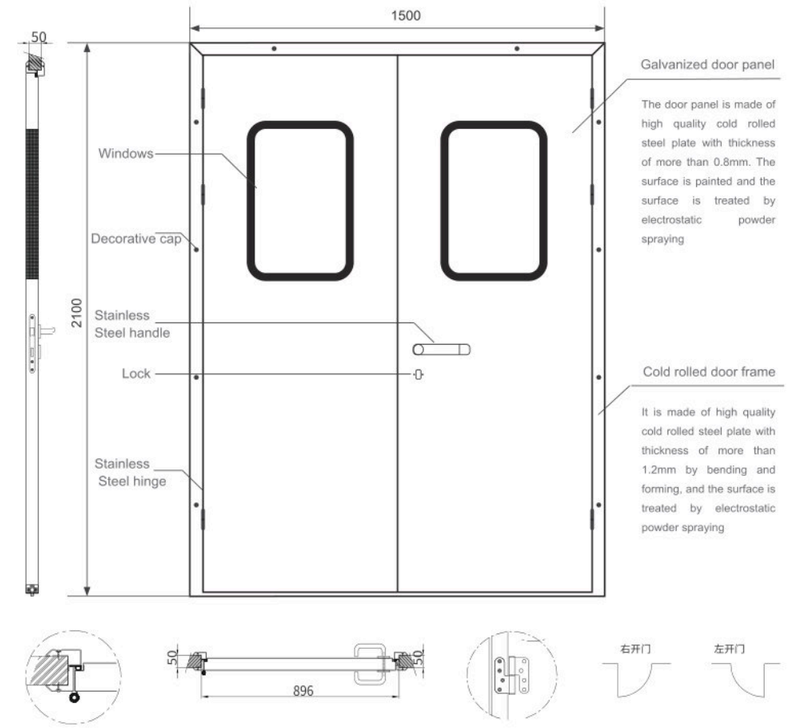
Suitable for manual plate, widely used in color steel wall purification project, covering medicine, food, cosmetics, electronic manufacturing industries.

Color (optional)

Gray whiteboard | 3300 | 2173c | 7697c | 726c | 284c | Stainless steel

*For reference only, the actual color card shall prevail

STRUCTURE DIAGRAM
DIAGRAM



*According to the requirements of the demand side of the project length and width, combined installation

Core material (optional)



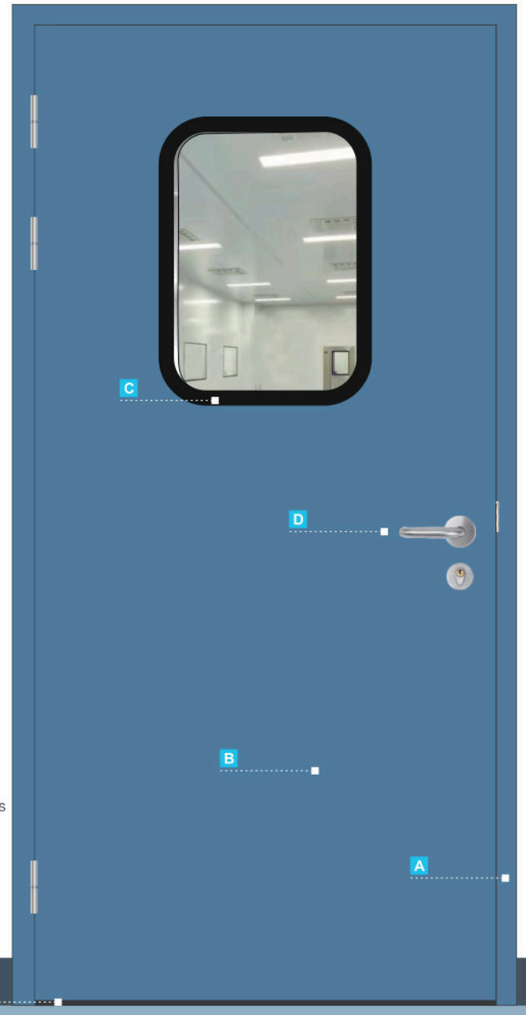
Paper honeycomb | Aluminum honeycomb | Rock wool | Plastic extruded board

Color (optional)

Gray whiteboard | 3300 | 2173c | 7697c | 726c | 284c | Stainless steel

*For reference only, the actual color card shall prevail

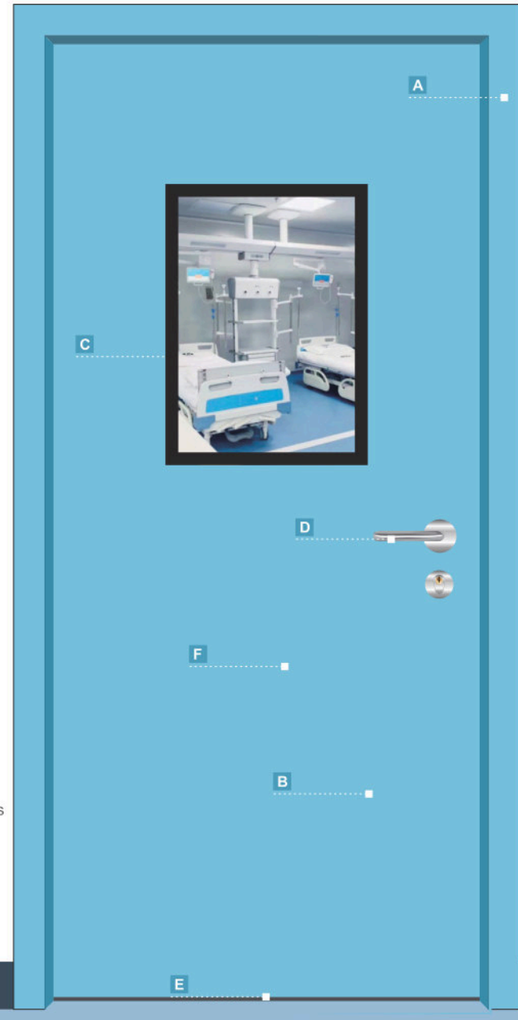
Steel clean door



A/Door frame
B/Door panel
C/Double window with rounded corners
D/304 Handle lock
E/Automatic lifting sweeping strip

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Steel clean door



A/Door frame
B/Door panel
C/Double window with rounded corners
D/304 Handle lock
E/Automatic lifting sweeping strip

STAINLESS STEEL DOOR



Widely used in color steel wall purification project, covering medicine, food, cosmetics, electronic manufacturing industries.

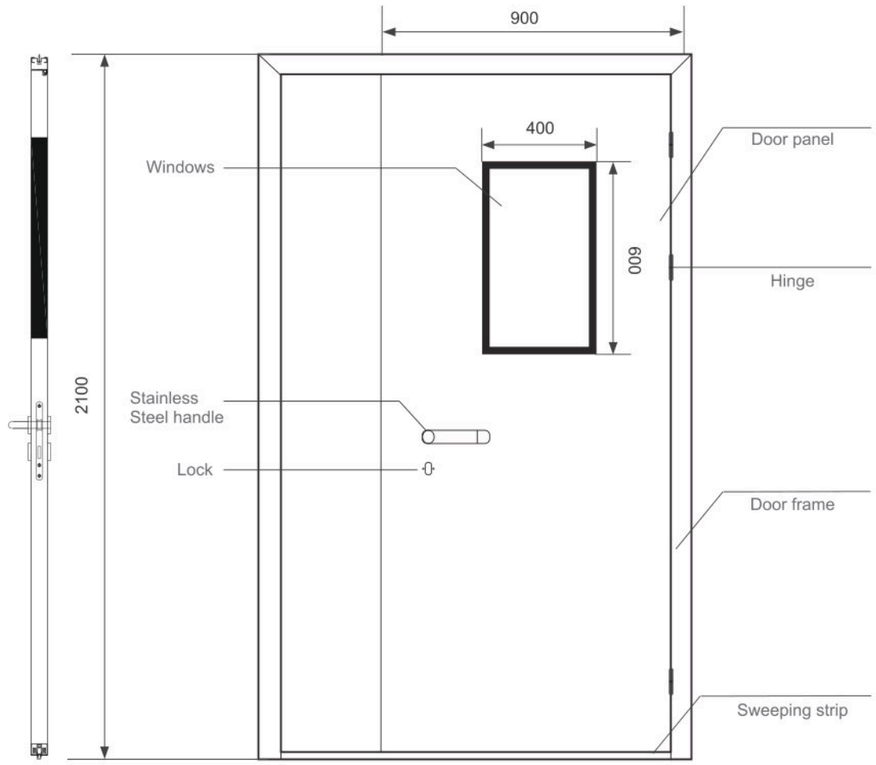
Peculiarity

1. The opening mode of the clean door can be divided into: single door left open, right open; The double door is divided into inner open type and outer open type; Observation Windows can be added separately.

2. Suitable for color steel plate, civil wall, light steel keel structure, etc.

3. Fireproof and durable, beautiful appearance, easy to clean, easy to open, good tightness.

STRUCTURE DIAGRAM
DIAGRAM



*According to the requirements of the demand side of the project length and width, combined installation

Core material (optional)



Paper honeycomb | Aluminum honeycomb | Rock wool | Plastic extruded board

CONSTRUCTION DOOR



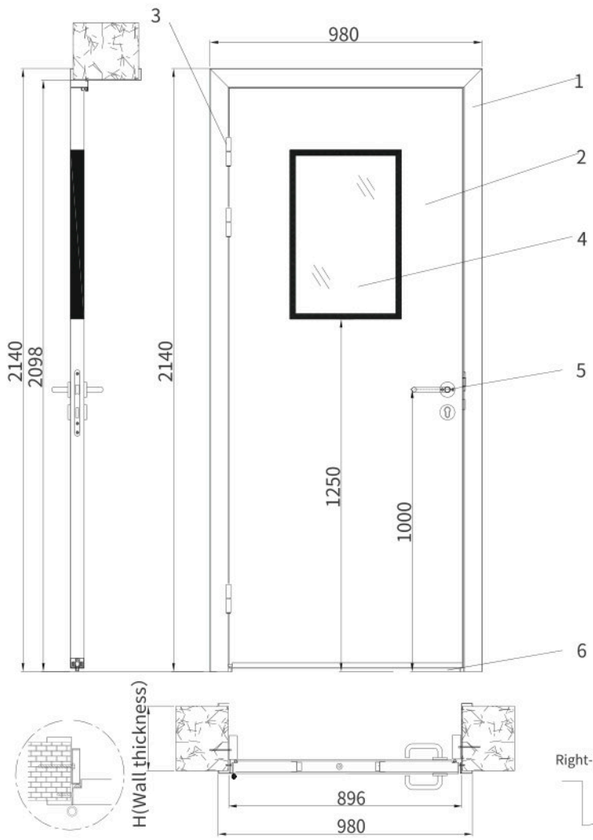
It is mostly used in large public clean places such as hospitals.

Color (optional)

Gray whiteboard | 3300 | 2173c | 7697c | 726c | 284c | Stainless steel

*For reference only, the actual color card shall prevail

STRUCTURE DIAGRAM
DIAGRAM



1. Door frame 1.2mm baking paint
2.0.8mm paint baking door panel, core material, paper honeycomb
3. Stainless steel hinge 3 sets
4.5mm black edge right angle double-layer tempered glass 400 * 600 screen printing 20mm wide
5. Stainless steel handle lock
6. Lifting broom

*According to the requirements of the demand side of the project length and width, combined installation

Core material (optional)



Paper honeycomb | Aluminum honeycomb | Rock wool | Plastic extruded board

MANUAL/AUTOMATIC SLIDING DOORS

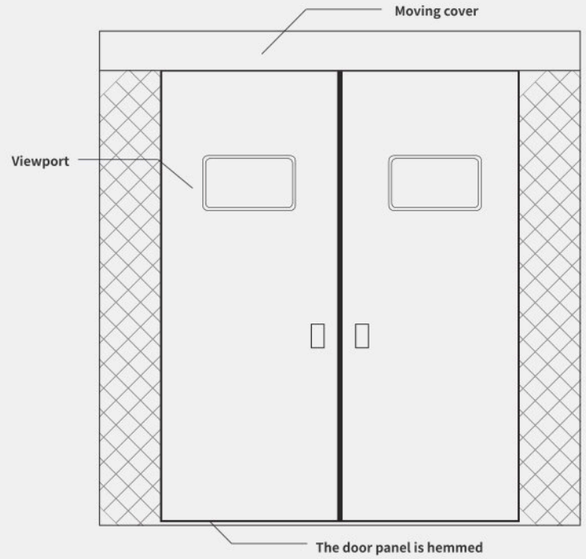


Digital intelligent control system, easy adjustment, good anti-interference, system stability. The use of dual-chip coordination, built-in automatic calibration algorithm program and protection program, so that the door movement more stable. The input adopts the button adjustment mode, and the program can be set with just one finger press. The digital tube display is simple and easy to understand, and the adjustment is simple and accurate. With interlock function. Brush motor, using German worm gear technology, high efficiency, large torque, long service life.

Core material (optional)



Paper honeycomb | Aluminum honeycomb | Rock wool | Plastic extruded board



Reliability: Intelligent microcomputer controller, directly adjust the operating parameters, the action instruction is true; And has self-learning function to make the driving device run smoothly, safe and reliable.

High torque and high efficiency: the drive device adopts high efficiency, large torque, small volume DC brush motor, and the gear box adopts spiral gear, which makes the operation more rapid and quiet, and the braking is smooth.

Convenience: Good modular design makes construction very simple. Just follow the instructions to fix the various components on the power beam, and then connect the power supply and other interfaces, and power can be run.

Safety: When encountering obstacles, the door will automatically rebound and open quickly to avoid clamping events and unit damage.

Applicability: The standard configuration can be connected to a variety of additional accessories, suitable for a variety of occasions, environmental needs.

Saving: It can realize the moderate adjustment function of the door opening of the size of the flow of people in and out to improve the indoor air saving rate and save energy.

Color (optional)



Gray whiteboard | 3300 | 2173c | 7697c | 726c | 284c | Stainless steel

*For reference only, the actual color card shall prevail

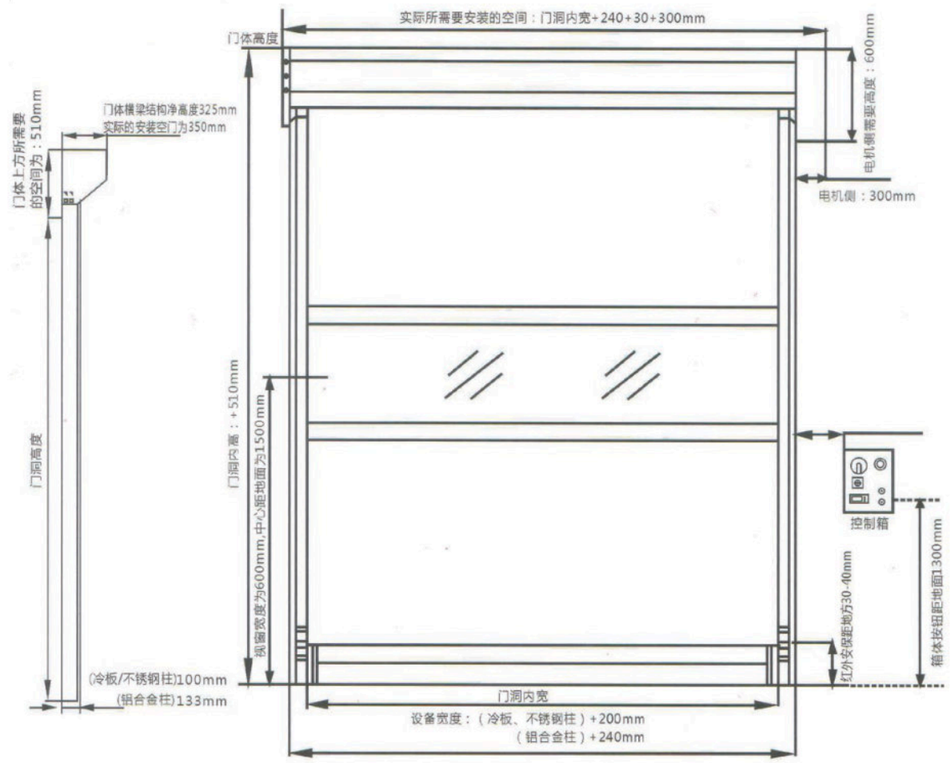
PVC QUICK ROLL DOOR



The fast rolling door is a barrier-free isolation door with rapid lifting. Its main function is to moisturize, dust-proof, insect-proof, odor-proof, etc., so that the workshop can maintain a constant temperature, constant humidity and clean working environment.

Widely used in food, chemical, textile, electronics, printing, supermarket, refrigeration, assembly, precision machinery, logistics, automobile, cigarettes, warehousing and other industries of air conditioning workshop and clean workshop. This high-speed automatic opening and closing of the fast roll door, in the search for strict quality management and high efficiency, frugal factories, warehouses, shops, etc., the effective opening and closing of the entrance and exit is the biggest key to determine the safety of goods and production and management efficiency.

STRUCTURE DIAGRAM
DIAGRAM



*According to the requirements of the demand side of the project length and width, combined installation

Color (optional)



*For reference only, the actual color card shall prevail

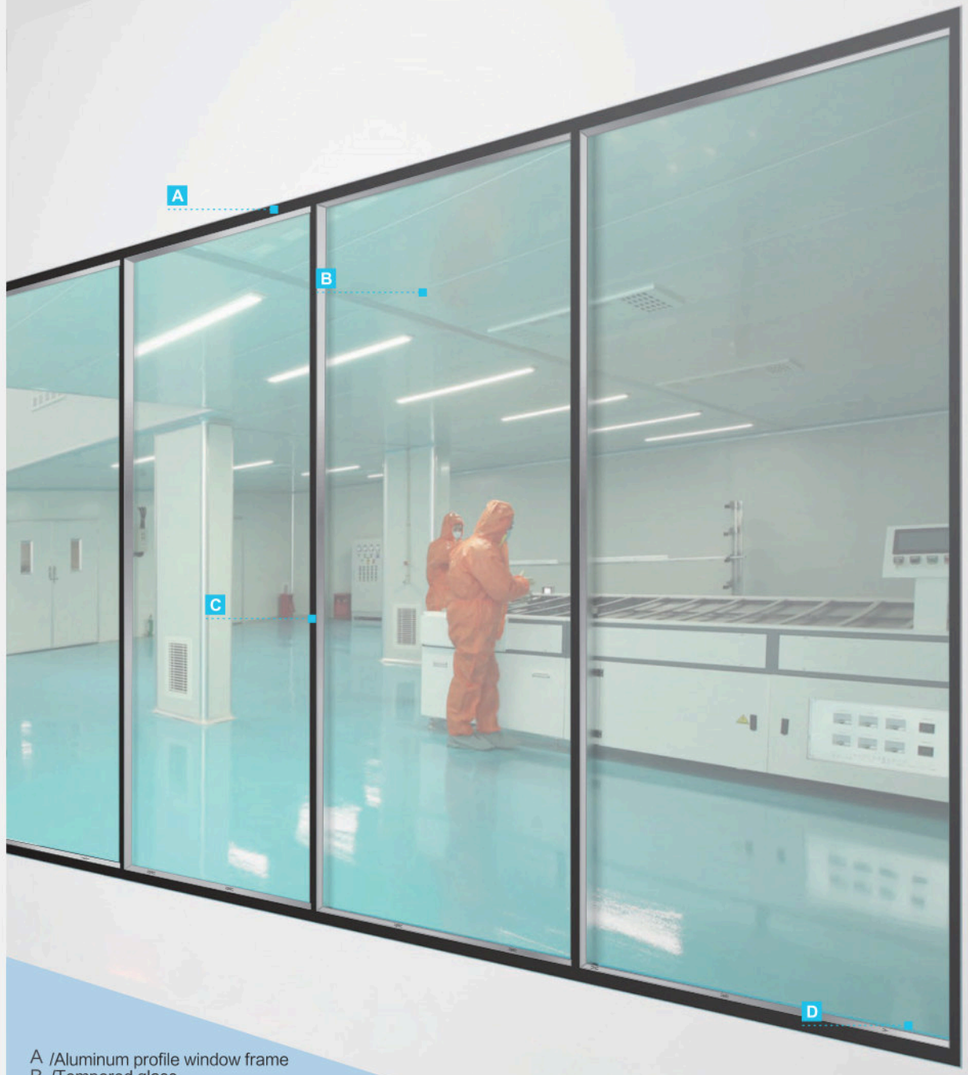
Double clean viewing window



A/Aluminum profile window frame
B/Tempered glass
C/Stainless steel decorative tape
D/Moisture removal hole

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Double clean viewing window



A /Aluminum profile window frame
B /Tempered glass
C /Stainless steel decorative tape
D /Moisture removal hole

MANUAL
CLEAN OBSERVATION WIND

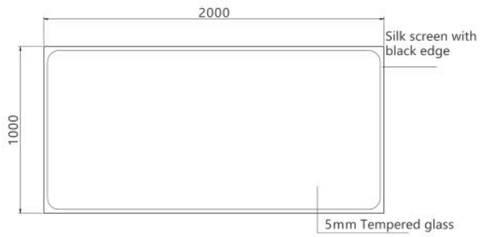
Product characteristics

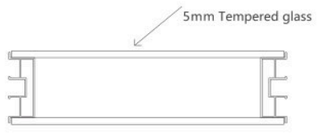
1. The products are suitable for food, medicine, electronics, laboratories and other clean visiting areas.
2. The product is suitable for installation in the thickness of 50/75/100MM hand-painted steel wall.
3. Windows are made of double toughened glass, laminated with stainless steel strips and fitted with desiccant.
4. The window has good sealing, and has the functions of sound insulation, heat insulation and moisture proof.
5. Easy to install, beautiful appearance, strong perspective.

Technical parameter

1. Conventional size :2000*1000MM 2000*1200MM
2. Frame material and thickness: high strength aluminum profile, thickness 1.0.
3. Glass material and thickness: tempered or fireproof double glass, thickness of 5MM.
4. Window shape: outside square inside square, outside square inside round.
5. Installation method: medium aluminum fixed.

Structure diagram







Profile side

Note: Non-standard products can be customized according to customer needs

ARTS

Door lock class



Split lock



One-piece lock



Channel lock



Elbow lock



Push rod escape lock



Push down escape lock



Sliding panel

Door closer



Exterior door closer



Concealed door closer



Exterior slide rail door closer



Sequencer



Automatic door opener

Hinge



Stainless steel hinge



Lifting dust strip



Stainless steel concealed latch

Interlock



Built-in electric mortise lock



External electromagnetic lock

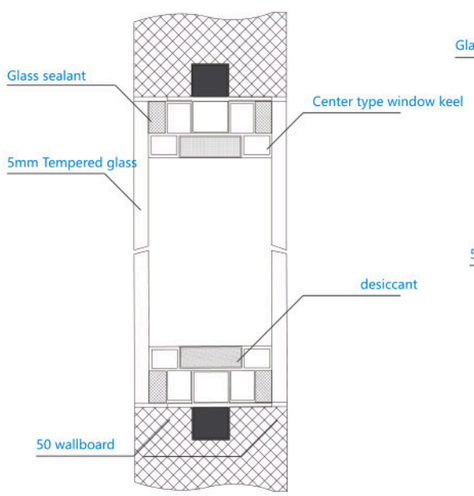
DOUBLE CLEANING WINDOW

Product description

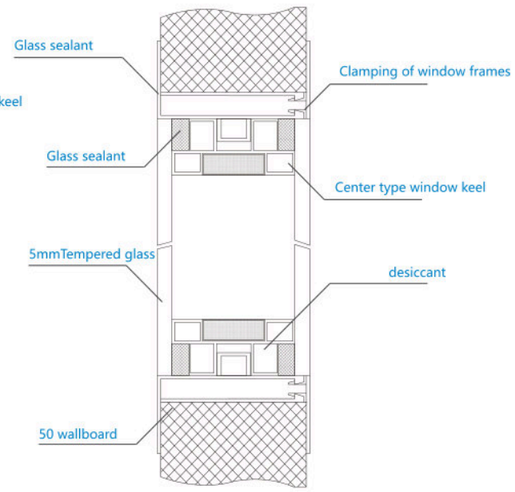
Framing frosted, screen printing, a rounded edge, right Angle edge, and other styles. Double - layer glass, nitrogen - filled treatment, containing dryer, effectively prevent damp, fog.Good sealing, sound insulation and heat insulation, energy saving and environmental protection.



Structure diagram



50 center-mounted double-layer window schematic



50 pairs of double-layer windows

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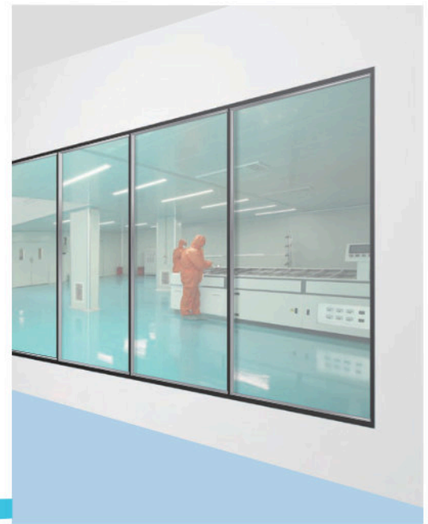
The desiccant hole keeps the double glass window dry and not wet

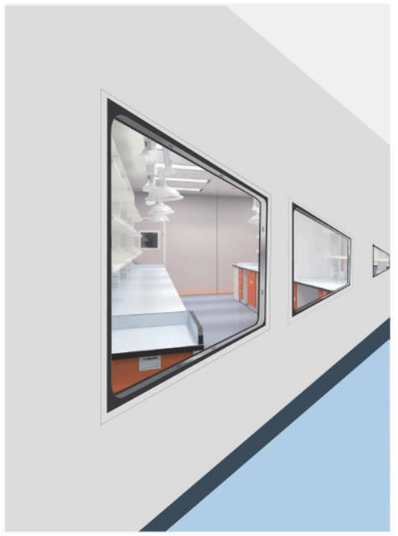


Aluminum alloy edge, reasonable structure, simple installation, beautiful and practical, good air tightness



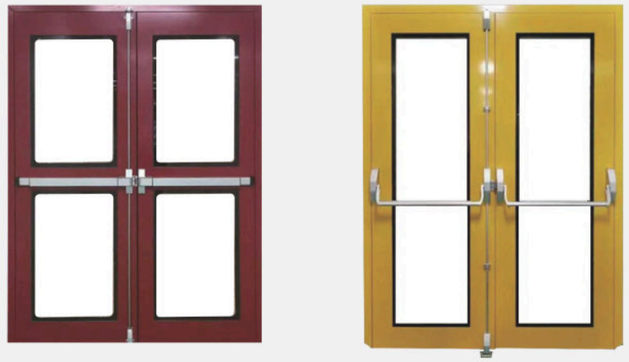






SAFE ESCAPE DOOR

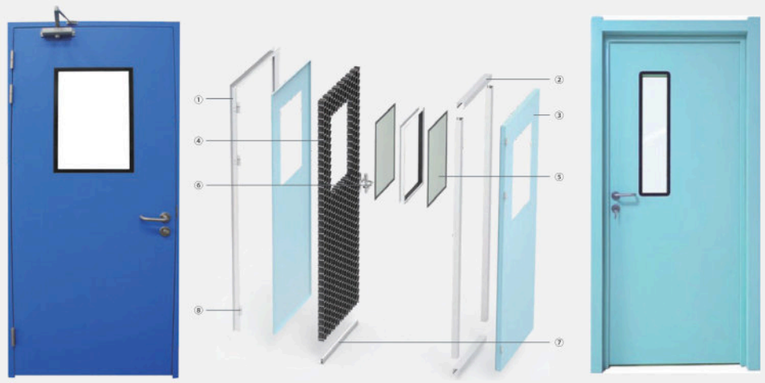
The safety escape door is made of steel material, which is smooth, smooth and wear-resistant. The hollow tempered glass observation window of the door is easy to observe the indoor conditions, and has the characteristics of fire prevention, durability and strong air tightness.





PURIFICATION DOOR





PRODUCT EXPLOSION DIAGRAM

①Door frame
Adopted, smooth transition design, anti-collision, easy to clean

②Door sash
Aluminum alloy frame, flat surface

③Panel
Color coated plate, anti-collision, wear-resistant, antibacterial

④Door core material
Aluminum honeycomb, the center of which is aluminum hexagonal, the honeycomb is non-combustible, flame retardant, waterproof, moisture-proof, no harmful gas release

⑤Observation window
Double toughened glass, window frame and door composite, not easy to fall off, no dead Angle, anti-fog

⑥Door lock
Anti-collision, anti-clip, holding the hand can be opened by elbow

⑦Lifting sweeping strip
Special double shrapnel design, smooth sinking, average strength, quiet, good air tightness

⑧Hinge
Long-term use will not produce metal powder, quiet, wear-resistant, easy to clean, firm and beautiful

PASS-THROUGHS

Product description



Electronic interlocking transfer window



Mechanical interlock transfer window



Recessed transfer window (steel paint)



Embedded transfer window



Double door floor to floor transfer window



Conjoined transfer window

Transfer window is an air purification equipment used in conjunction with clean workshop, which is suitable for medium and small cargo transfer between clean room and clean room or between clean room and non-clean room. Through the use of transfer Windows, the number of opening and closing times of clean rooms can be reduced, and pollution in clean areas can be minimized. The products are widely used in micro technology, electronics industry, biological laboratory, pharmaceutical factory, hospital, food processing industry and other air purification places.

AIR SHOWER

Product description

AIR SHOWER room (also known as air bath dust room, air shower room, air shower door, air shower room, air shower machine, etc.) is a local purification equipment with strong versatility, installed in the partition wall between clean room and non-clean room, for personnel or objects into the clean area when the shower dust removal. After use, it can effectively reduce the dust source into the clean area and keep the clean area in normal working state. Widely used in food and beverage, electronics, medicine and health and other industries and scientific research fields.



Product classification

Air shower room can be roughly divided into the following types: Single single air shower, single double air shower, single three air shower, double double air shower, triple double air shower, air shower passage, stainless steel air shower, intelligent voice air shower, automatic induction door air shower, L-shaped corner air shower, uninterrupted flow air shower, rolling shutter door air shower, cargo air shower, explosion-proof air shower, anti-static air shower, water shower, etc.







WEIGHING ROOM

Product description

This equipment is assembled by the work area, the return air box, the air box body, the air outlet box and the outer box. The control panel is located on the front of the internal working area of the equipment. The control panel adopts a touch-type LCD control panel (or inverter), which can control the start and stop of the fan, adjust the fan working condition, and adjust the wind speed required in the work area; there is a differential pressure meter beside it, Test the resistance of the filter, waterproof five-hole socket and light switch. There is an exhaust air regulating plate inside the air supply box, which can adjust the exhaust air volume of the equipment within a reasonable range.







Overall dimension	Cleanliness grade	Average velocity	Wind speed	Total pressure	Rated air volume	Gross power
Customized according to customer size	Level A	500LUX	0.45m/s	500Pa	Dimensioning	As per design
Speed regulation	High efficiency filter		Overall material	Protected object		
Frequency converter	Anti-flange tank filter		SUS304#	Drugs, operators, working environment		







ELECTROLYTIC STEEL PLATE

Parameter Introduction

The steel frame structure is fabricated by pre-processing 2mm and 3mm steel plates or by on-site manufacturing with 50*25*2 and 50*50*2 type steel pipes. The surface is treated with powder coating or undergoes anti-rust treatment.
The surface layer panels are made of 1.2mm and 1.5mm thick electroplated steel plates or 1.0mm and 1.2mm thick stainless steel plates. The inner core material is 12mm thick gypsum board. The bonding of the surface material and the core material is done using inorganic glue.
The length, width and height dimensions of the operating room are all rounded to the nearest 100. The height is generally 2800, 2900 or 3000. In cases where the height is insufficient, 2600, 2700 or other heights can be selected.

Product features

Metal electrolytic sheet, also known as electro-galvanized steel sheet, is produced by electrolysis to form a uniform, well-adhered metal or alloy deposit layer on the workpiece surface. It features excellent corrosion resistance and can protect the steel substrate against rust for a long time. It is widely used in home appliances, automotive, machinery, construction and other industries.
Grey electrolytic sheet has a grey surface. It is made from cold-rolled steel sheet via electroplating and chromate passivation treatment, with a zinc coating formed by deposited zinc atoms on the surface. Its surface is smooth and clean with good decorative performance, and resists oxidation and rusting in air. It can be directly used for subsequent surface treatments such as phosphating, spraying and silk-screen printing.

On-site spraying

On-site sprayed electro-galvanized steel sheet operating rooms feature good integrity and convenient repair.
The surface treatment system of the on-site sprayed electro-galvanized steel sheet operating room consists of atomic ash putty leveling, rust-preventive oil, transition coat, and water-based eco-friendly antibacterial topcoat.





Pre-spraying

The pre-coated electro-galvanized steel sheet for operating rooms adopts high-temperature powder coating technology on its surface.
Surface treatment is completed in the factory, and only panel assembly is required on site.
Compared with on-site sprayed electro-galvanized steel sheet operating rooms, it has remarkable advantages in construction period reduction and features a longer overall service life.





PANEL-CLAD OPERATING ROOM

Characteristics of the operating room

Modular wall panels save material, are easy to fabricate and transport. The panels are simple to install and convenient to replace if damaged.
50×30 rectangular tube keels are readily available for procurement.
All equipment is flush with the wall surface, leaving no dead corners and minimizing dust accumulation.
Curved panels with R=300 mm are adopted to create aesthetic transitions between wall-to-wall and wall-to-ceiling junctions. They also resist dust buildup and expand the effective usable space.
All gaps between panels, or between panels and equipment, are filled with imported neutral weatherproof sealant for long service life, non-delamination and excellent air tightness.
Custom colors are available. Three distinct colors for ceiling, wall panel and floor provide visual differentiation, which effectively prevents visual fatigue, eases tension during surgery and reduces the sense of oppression.





Planar structure diagram

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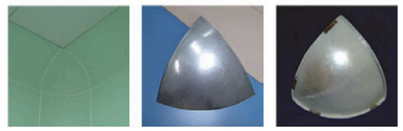
PANEL-CLAD OPERATING ROOM

Characteristics of the operating room

The steel frame structure adopts 1.2 mm and 1.5 mm rectangular tube keels as well as No.4 angle iron, which are procured and fabricated on site with anti-rust treatment.
Wall panels are made of 1.2 mm / 1.5 mm thick electrolytic steel sheets or 1.0 mm / 1.2 mm thick stainless steel sheets.
The inner core material is 9.5 mm thick gypsum board, bonded with inorganic adhesive.
The length, width and height of the operating room are rounded to multiples of 100. For example, panel lengths are usually 1000 mm and 1200 mm; heights are normally 2800 mm, 2900 mm and 3000 mm.
Four corners of the operating room are rounded with R=300 mm. Curved panels of R=300 mm are used for transitions between wall-to-wall and wall-to-ceiling junctions.
The main door of the operating room is generally sized 1500W×2100H, and the auxiliary door 900W×2100H.

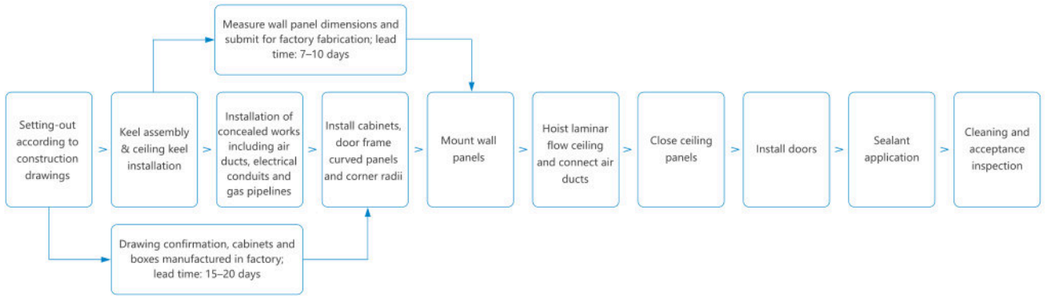


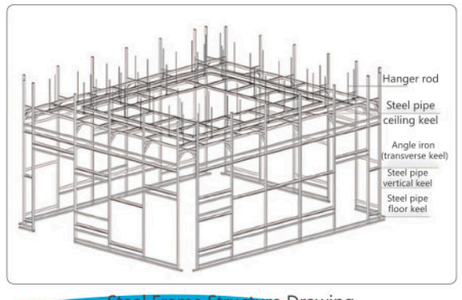
Wall panel color selection



Engineering case photos | Flat-edge stainless steel round head | Flanged aluminum round head

Construction process





Steel Frame Structure Drawing



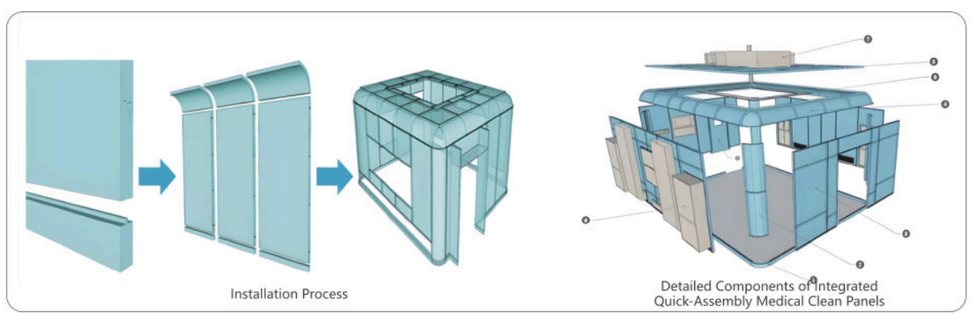
Construction Drawing

MODULAR QUICK-INSTALL SURGICAL ROOM

Product features

- Easy Installation & Short Construction Period: Adopting a special wall panel connection method, one operating room can be completed in only 8 working hours. Unlike conventional construction with long lead times and high labor costs, this new connection system cuts the original construction period by 70%.
- Factory Baking Finish, Safe & Eco-friendly: This new integrated quick-assembly structure, including paint baking, is fully fabricated in the factory. On-site work only involves assembly and fixing, generating no on-site pollution or construction waste. It saves time for environmental assessment while guaranteeing the construction schedule.
- Built-in Keel, Cost-effective: The integrated quick-assembly panels feature built-in keels. Each panel is equipped with 3–5 reinforcing ribs of 5 cm, ensuring panel strength and stability. Material and labor costs for on-site keel welding are completely eliminated.
- Easy Disassembly & Reusability: Standardized panel sizes allow flexible adjustment according to site conditions. Damaged sections can be replaced without disassembly damage. Panels can be disassembled, reassembled and reused during hospital relocation or renovation.
- One-stop Procurement, Hassle-free: In addition to integrated quick-assembly panels for operating rooms, our product range includes medical instrument cabinets, laminar flow hoods, film viewers, automatic control enclosures, return air outlets and other supporting cleanroom products for operating rooms, enabling convenient procurement with excellent cost performance.
- Wide Color Selection & Fade Resistance: Electroplating baking finish ensures long-lasting color without fading. Special sealant is applied between panels to buffer thermal expansion and contraction of steel sheets, protecting the painted surface. The service life can exceed 20 years. 83 standard national colors are available, and custom glass patterns can be provided to break the monotonous look of traditional operating rooms.

Installation structure



① Adjustable Aluminum Profile ② Vertical Curved Panel ③ Vertical Steel Panel ④ Ceiling Curved Panel ⑤ Ceiling Steel Panel ⑥ Medical Fixtures ⑦ Laminar Flow Supply Ceiling ⑧ LED Light Strip ⑨ Electric Door / Drainage Assembly

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MODULAR QUICK-INSTALL SURGICAL ROOM

Product display





Color selection card

Pale Phthalocyanine Blue
B01
DJGB–1989–2025

Soft Blue
B02
DJGB–1989–2025

Cream Beige
B03
DJGB–1989–2025

Cream Light Green
B04
DJGB–1989–2025

Pale Pink
B05
DJGB–1989–2025

Matte Light Blue
B06
DJGB–1989–2025

Matte Pale Cyan
B07
DJGB–1989–2025

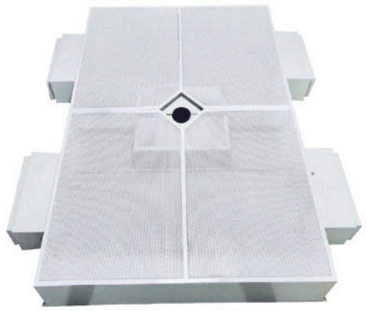
Milky White
B08
DJGB–1989–2025

Fresh Green
B09
DJGB–1989–2025

LAMINAR AIR SUPPLY CEILING

Product Introduction

The perforated plate laminar airflow supply ceiling adopts a stainless steel face frame, with a cabinet made of powder-coated cold-rolled steel or stainless steel sheet. It is internally equipped with stainless steel supports for flat filter frames and stainless steel perforated plate supports. The perforated plate is available in powder-coated steel sheet or powder-coated stainless steel/aluminum sheet. It delivers favorable laminar airflow and uniform air discharge.



It features a dedicated shadowless lamp housing and access opening for easy installation of shadowless lamps. Adopting a knock-down structure for on-site assembly, it is quick and convenient to install. This unit enables rational distribution of airflow inside the cleanroom to effectively maintain indoor cleanliness. It is widely applied in hospital clean operating rooms, clean wards, clean animal rooms and other projects.

Technical Specifications

Model Parameters	I	II	III
Filtration Efficiency		99.99%	
Outlet Air Velocity (m/s)	0.45	0.3	0.23
Air Supply Surface Dimension (mm)	2600*2400	2600×1800	2600*1400
Overall Dimension (mm)	2680*2480*500	2680×1880×500	2680*1480*500
HEPA Filter Box Spec. & Qty	1270×670×70 (2 pcs)	1270×670×70 (1 pcs)	1270×670×70 (1 pcs)
	610×610×70 (4 pcs)	610×610×70 (1 pcs)	610×610×70 (2 pcs)
Air Duct Connection Size (mm)	Customized as required	Customized as required	Customized as required
Application	Class I Ultra-clean Operating Room	Class II Ultra-clean Operating Room	Class III Ultra-clean Operating Room

Scene presentation





RETURN AIR BOX

Product display



Return Air Box



Exhaust Air Box



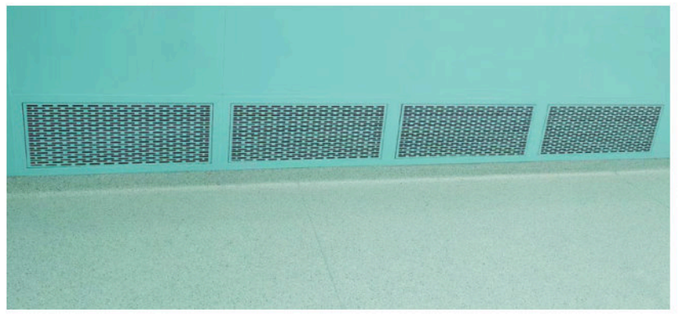
Return Air Box



Exhaust Air Box

Scene presentation





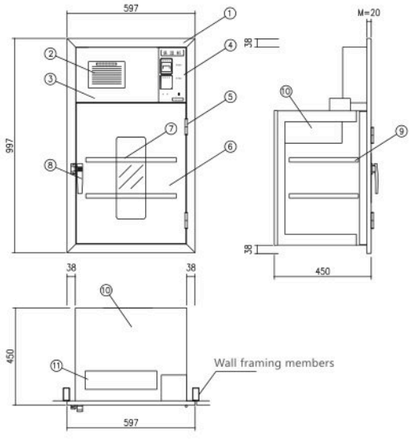
REFRIGERATION AND COLD STORAGE CABINET



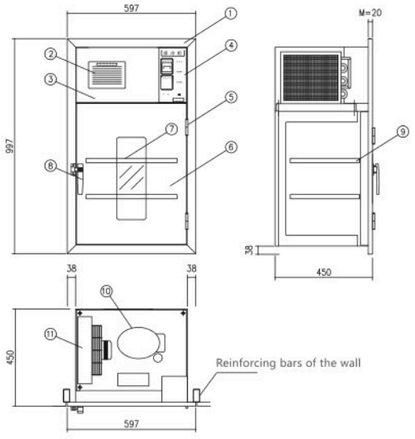
Stainless steel material



Spray-painted lacquer material



NO.	Name	Material & Spec.	Quantity	Remarks
1	Front Frame	SUS-304 1.5t	1	HL
2	Instruction Manual		1	
3	Inspection Panel	SUS-304 1.2t	1	HL
4	Operation Keypad		1	PVC laminated film
5	Chain	SUS-304	2	HL
6	Door	SUS-304 1.0t	1	HL
7	Window	Laminated glass (5t+5t)	1	Transparent (silk-screen printed)
8	Handle	SUS-304	1	Polished
9	Shelf	SUS-304 1.0t	2	8K
10	Cooling Unit	PTC	1	



NO.	Name	Material & Spec.	Quantity	Remarks
1	Front Frame	SUS-304 1.5t	1	HL
2	Instruction Manual		1	
3	Inspection Panel	SUS-304 1.2t	1	HL
4	Operation Keypad		1	PVC laminated film
5	Chain	SUS-304	2	HL
6	Door	SUS-304 1.0t	1	HL
7	Window	Laminated glass (5t+5t+5t)	1	Transparent (silk-screen printed)
8	Handle	SUS-304	2	Polished
9	Shelf	SUS-304 1.0t	1	8K
10	Cooling Unit	Compressor	1	R134a

MEDICAL HANDWASHING SINK

Floor-standing sink

Optional A.O. Smith water heater: rated water pressure 0.8 MPa, capacity 50 L, water temperature (30–75)±5℃, adjustable power of 1500 W / 2000 W, voltage 220 V / 50 Hz.

Each water faucet is equipped with an independent control valve and MCB. All electrical components are fitted with earth leakage protection. Failure of a single faucet will not affect the normal operation of others.

The handwashing sink is fitted with an openable access panel with concealed locking mechanism for easy maintenance, and it supports knee control function.

Front-mounted sensor unit, directly detachable for convenient maintenance.

The sink basin is integrally molded from acrylic.

The feed water shall meet the national Class I water quality standard.

Product display



Single seat



Double seat position



Three-person seating arrangement

Technical specifications

Model	Stations	Overall Dimension	Faucet	Soap Dispenser	Hand Brush Unit	Back Panel
HR-XS1	2-station	1500×2000×650	Knee-controlled / Sensor	Manual / Sensor	Manual	Optional
HR-XS2	3-station	2000×2000×650	Knee-controlled / Sensor	Manual / Sensor	Manual	Optional
HR-XS3	4-station	2400×2000×650	Knee-controlled / Sensor	Manual / Sensor	Manual	Optional

MEDICAL HANDWASHING SINK

Wall-mounted sink

The sink is wall-mounted directly to save space; the mirror and mirror light are installed on the wall.

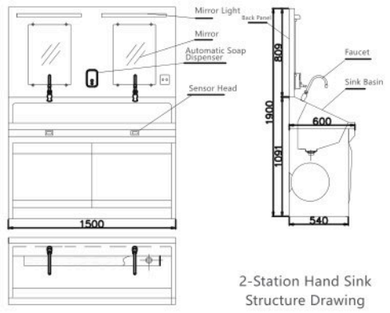
Water heater is not included. An external water heater shall be installed separately if both hot and cold water are required.

The handwashing sink is equipped with an openable access panel and supports knee control function.

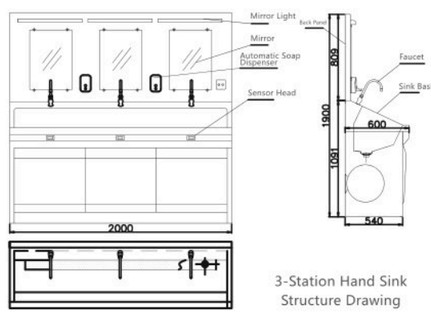
The sink basin is welded, with welds smoothly ground and hairline finished.

The feed water shall meet the national Class I water quality standard.

Structural configuration



2-Station Hand Sink
Structure Drawing



3-Station Hand Sink
Structure Drawing



Double seat position



Three-person seating arrangement

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MEDICAL HANDWASHING SINK

Wall-mounted Z-shaped washbasin

The sink is directly wall-hung to save space; the mirror and mirror light are mounted on the wall.

Water heater is not included. An external water heater shall be installed separately if both hot and cold water supply is required.

The hand sink supports water output by knee control or sensor activation, with knee-operated soap dispensing available.

The sink basin is integrally welded. Weld seams are smoothly ground, followed by surface sandblasting and electrolytic polishing.

Each faucet is equipped with an independent thermostatic mixing valve for adjustable water temperature, with digital temperature display.

Knee-controlled soap dispensing ensures safe and convenient operation.



Z-Type Wall-mounted Hand Sink (3-Station)
Model: HR-BGZ3
W2000 × H850 × D650

Structural configuration



Z-Type Wall-mounted Hand Sink (1-Station)
Model: HR-BGZ1
W800 × H850 × D650



Z-Type Wall-mounted Hand Sink (2-Station)
Model: HR-BGZ2
W1500 × H850 × D650



Z-Type Wall-mounted Hand Sink (3-Station)
Model: HR-BGZ3
W2000 × H850 × D650

Technical Specifications

Model	Stations	Overall Dimension	Faucet	Soap Dispenser	Hand Brush Unit
HR-BGZ1	1 Station	800×850×650	Knee-controlled / Sensor	Manual / Sensor	Manual
HR-BGZ2	2 Stations	1500×850×650	Knee-controlled / Sensor	Manual / Sensor	Manual
HR-BGZ23	3 Stations	2000×H850×D650	Knee-controlled / Sensor	Manual / Sensor	Manual

CLEANING MECHANISM PLATE

Mechanized Rock Wool Color Steel Sandwich Panel



Mechanized Magnesium Oxysulfide (MOS) Sandwich Panel



Mechanized Paper Honeycomb Color Steel Sandwich Panel



Mechanized Hollow Magnesium Oxide Sandwich Panel



Mechanized Silicon Rock Color Steel Sandwich Panel

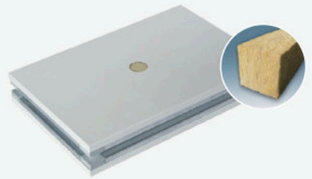


Polyurethane (PU) Color Steel Sandwich Panel

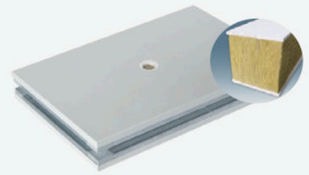


CLEANED HANDMADE BOARD

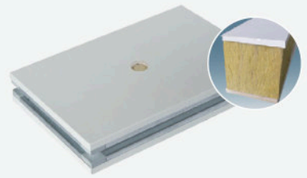
Handmade Rock Wool Color Steel Sandwich Panel



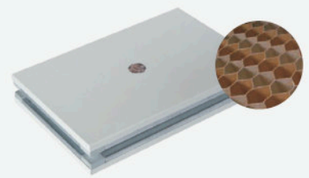
Hand-laminated Magnesium Oxide & Rock Wool Sandwich Panel



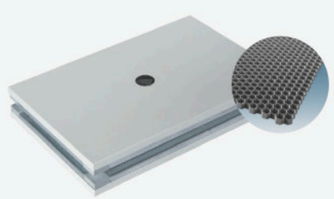
Hand-laminated Gypsum & Rock Wool Sandwich Panel



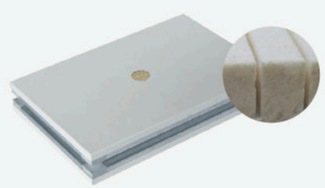
Hand-laminated Paper Honeycomb Color Steel Sandwich Panel



Hand-laminated Aluminum Honeycomb Color Steel Sandwich Panel



Hand-laminated Polyurethane (PU) Color Steel Sandwich Panel



MEDICAL EQUIPMENT CABINET

Medicine Cabinet

HR–YP01

Stainless Steel (SUS-304) / Wall-mounted, upper & lower sliding doors, 2 middle drawers.
W1200×H1700×D350, dimensions customizable upon request.



Anesthesia Cabinet

HR–MZ01

Stainless Steel (SUS-304) / Wall-mounted, upper & lower sliding doors.
W1200×H1700×D350, dimensions customizable upon request.



Instrument Cabinet

HR–QXO1

Stainless Steel (SUS-304), upper sliding doors, 2 lower drawers.
W900×H1300×D350, dimensions customizable upon request.



8-Drawer Medicine Cabinet

HR–YP02

Stainless Steel (SUS-304), upper sliding doors, 8 lower drawers.
W1200×H1700×D350, dimensions customizable upon request.



Catheter Cabinet

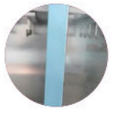
HR–DGO1

Stainless Steel (SUS-304), integral sliding doors.
W900×H1300×D350, dimensions customizable upon request.



Detail Display





MEDICAL EQUIPMENT CABINET

External Computer Cabinet

HR–DN01

Powder-coated exterior, stainless steel (SUS-304) interior, upper & lower sliding doors.
W1200×H1700×D400, dimensions customizable upon request.



Computer Cabinet

HR–DNO2

Stainless steel (SUS-304). Top for monitor, bottom for host, middle for keyboard. Doors with stainless steel powder coating.
W900×H1700×D500, dimensions customizable upon request.



Powder-coated Medicine Cabinet

HR–YPO3

Stainless steel (SUS-304), upper & lower swing doors. Doors with stainless steel powder coating.
W900×H1700×D350, dimensions customizable upon request.



Powder-coated Anesthesia Cabinet

HR–MZO2

Stainless steel (SUS-304), upper & lower swing doors with 2 middle drawers. Doors with stainless steel powder coating.
W900×H1700×D350, dimensions customizable upon request.



Detail Display









*Customizable keel hanging panels and electrolytic steel plate corridor supports

INTELLIGENCE PANEL

Product description

The information panel control system mainly consists of six parts: Beijing time, surgical timer, control screen, control system, medical gas and telephone intercom. It is mainly applied in clean operating rooms, nurse stations, clean corridors and other purified areas. It enables medical staff to locally read the indoor temperature, humidity, air handling unit operating status and fault information of the operating room during surgery.

The system also realizes centralized monitoring of the pressures of various medical gases, as well as centralized control of control units such as surgical lights, lighting lamps, anesthesia timer, surgical timer, group control, dedicated call and background music. It is an indispensable intelligent control device for modern clean operating departments.

Model	Name	Overall Dimension
HRIP–1	Recessed Central Control Box	1200×1000×300
HRIP–2	Rear-service Central Control Box	1200×1000×Wall Thickness
HRIP–3	Recessed Central Control Box	1200×535×300

Product display









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INTELLIGENCE PANEL

Acrylic touch information panel

- Call, intercom and hands-free telephone functions;
- Temperature and humidity setting & display functions;
- Group control switches for operating room lighting system;
- Group control switches for operating room surgical lights;
- Audible and visual alarm & display for air handling unit operation and fault status;
- Background music adjustment switch function;
- Audible and visual alarm display system for medical gas;
- Flip writing record shelf with built-in lighting;
- Operating room timer, anesthesia timer, Beijing time display, adjustable in minutes and seconds;
- Recessed mounting structure, made of SUS 304 stainless steel.



Liquid crystal touch information panel

- Models: 32-inch, 27-inch, 24-inch;
- Call, intercom and hands-free telephone functions;
- Temperature and humidity setting & display functions;
- Group control switches for operating room lighting system;
- Group control switches for operating room surgical lights;
- Audible and visual alarm & display for air handling unit operation and fault status;
- Background music adjustment switch function;
- Audible and visual alarm display system for medical gas;
- Operating room timer, anesthesia timer, Beijing time display, adjustable in minutes and seconds;
- Adjustable recessed mounting structure, face frame made of SUS 304 stainless steel.



Scene presentation






POWER SOCKET BOX

Product features

45° Diagonal Design
- Fabricated by precision CNC cutting

Multiple Socket Options
- 2-hole, 3-hole, 4-hole and other sockets available for easy operation

Fully Recessed Type
- Fully recessed sloped design, no sharp edges for anti-scratch

Custom Non-standard Sizes
- Standard dimensions: 600×210, 900×250, 1200×250 mm
- Customizable according to customer requirements to meet your needs



Stainless Steel



Spray Coating & Baking Finish

Configuration Specification

In accordance with relevant specifications, power outlet boxes for medical electronic instruments and equipment shall be installed on two walls of the operating room to ensure sufficient power supply points and convenient use. Each outlet box shall be equipped with no less than four single-phase sockets.

For medium-sized and larger operating rooms, three-phase power outlet boxes shall also be provided for large medical equipment. The power supply for these outlet boxes is usually sourced from an uninterruptible power supply (UPS), so that critical equipment can continue operating in the event of mains power failure.

Scene presentation





MEDICAL GAS TERMINAL BOX

Product Introduction

The medical gas control box is specially designed to supply gas sources for hospitals. It features a metal enclosure and an internal pressure-regulating output structure (direct output or flow-type output can be configured according to customer requirements). The fuel gas terminal is equipped with a flashback arrestor.

Compact, lightweight and aesthetically pleasing, this product is easy to operate, maintain and manage. With rational design and reliable performance, it effectively prevents accidents and ensures personnel safety. It is widely used for pipeline gas supply in metal cutting, welding and other applications.









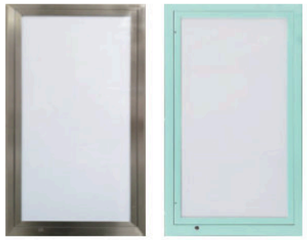
Technical Specifications

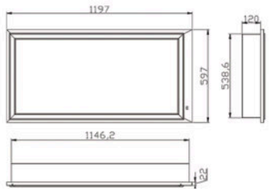
Name	Model	Product Features
Gas Source Box	Customizable sizes as required 600×210 mm 900×250 mm 900×400 mm 1200×400 mm	Made of high-quality SUS304 stainless steel with matte brushed finish, non-glare and corrosion-resistant. 1. Compatible with GB or DIN terminals for oxygen, carbon dioxide, hydrogen, vacuum suction, compressed air, etc. 2. Panel fabricated from 304 stainless steel sheet. 3. Complies with Chinese national standards and meets export requirements.

MEDICAL VIEWING LIGHT

Triple X-ray Film Viewer

Made of special aluminum alloy profile with roller-type pressing strips for easy film loading and unloading. Equipped with special acrylic panel featuring excellent light filtering performance to effectively block harmful yellow light.
Stainless steel 45° miter brushed frame, cold-rolled steel sprayed cabinet, and dedicated grounding terminal.

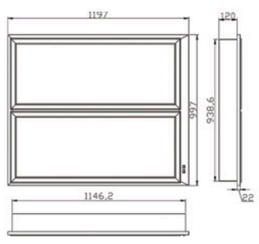




Six-bank X-ray Film Viewer

Made of special aluminum alloy profile with roller-type pressing strips for easy film loading and unloading. Equipped with special acrylic panel featuring excellent light filtering performance to effectively block harmful yellow light.
Stainless steel 45° miter brushed frame, cold-rolled steel sprayed cabinet, and dedicated grounding terminal.

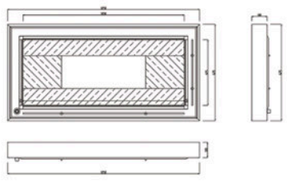




Light-shielding X-ray Film Viewer

Adopting German technology, it is equipped with unique aluminum alloy pressing strips for convenient insertion and removal of films. It delivers even illuminance with adjustable brightness range, presenting clear radiographic images.
It eliminates irritation to medical staff' s eyes caused by stray light outside the film area, making it one of the internationally advanced X-ray film viewers available today.





WRITING DESK

Product Introduction

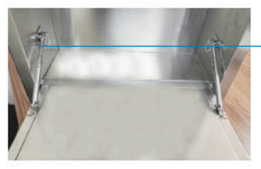
Recessed Writing Desk
The recessed writing desk is mainly used for documentation and record-keeping in operating rooms.
It is fitted with micro-switch lighting and a pneumatic door closer, complying with cleanroom requirements.



Features of Recessed Writing Desk
1. The cabinet is made of high-quality SUS304 stainless steel, featuring an elegant and neat appearance.
2. The outer frame is made of high-quality SUS304 stainless steel or special aluminum profile, sturdy, durable and easy to clean.
3. The door panel is constructed of stainless steel or laminated steel sheet with a pleasing look.
4. High-efficiency energy-saving lamps are adopted for lighting with recessed installation.
5. Equipped with micro switches for automatic on/off, convenient and concise.
6. The handle is designed as a curved crescent stainless steel piece, ergonomic and dust-proof.
7. The folded edge can be made as 45° miter edge or 90° right-angle edge.
8. The cabinet surface can be painted in various colors to match the hospital decoration style.
9. Custom non-standard sizes are available upon request.



Details presentation





Hydraulic Support Rod



Lighting Lamp

