Company

Profile

Valtech



Professional Cleanroom Manufacturer in Saudi Arabia.

AL-Qaimah AL-Farida for Manufacturing- Valtech Brand Specializes in turnkey cleanroom project.

We are a One-Stop solution provider offering consultation, design, manufacturing, delivering, installation, and after sale services.

Valtech cleanrooms are widely used in pharmaceutical, medical, cosmetic, and veterinary industries.

Why Choose Us

On - Stop Solution

Turnkey Project for cleanroom system and cleanroom equipment

Custom Made

Custom-design and manufacturing of cleanroom System and cleanroom equipment

Factory Price

Factory direct selling pricing- no distributor, no price markup.

Fast Delivery

Fast delivery by high production capacity

Strong Design Capabilities

Our experienced engineers provide innovative design solution.

Sophisticated Team

Expert team in cleanroom technology and project management.

Smarter Solution





For a Sustainable Future

Vision



Our vision is to provide customers with the most advanced and reliable controlled environment solutions.

We strive to create value by becoming a trusted system integrator with the strong delivery Capabilities and leading-edge technology.

Our goal is to drive innovation and excellence

Core Value



At VALTECH, our culture is built on a strong foundation of values that guide everything we do:

- **Quality & Excellence** - delivering top - quality products and services that meet global standards.
- **Innovation** -Driving progress through advanced technology and continuous improvement.
- **Integrity**- Acting with honesty, transparency, and accountability in all our operations.

Mission



Delivering advanced controlled environment solutions built on innovation, quality, and sustainability.

Empowering clients' success through reliable systems, cutting-edge technologies, and world-class services.



2,200 m^2

Production Area



121,000 m^2/year

Annual Productivity



7

Manufacturing Facillities

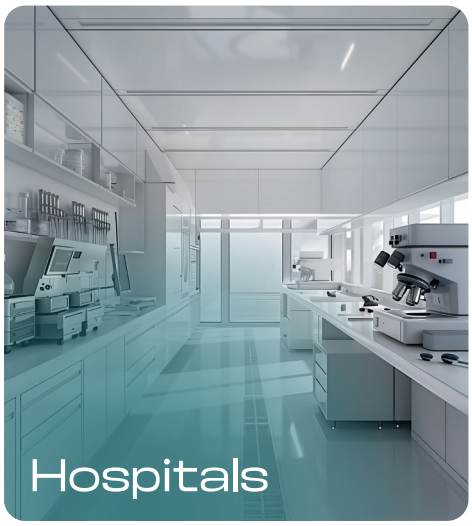
Our Business

Cleanroom Project

Cleanroom Product

Main Applications

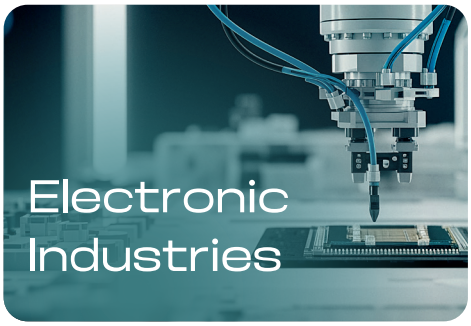














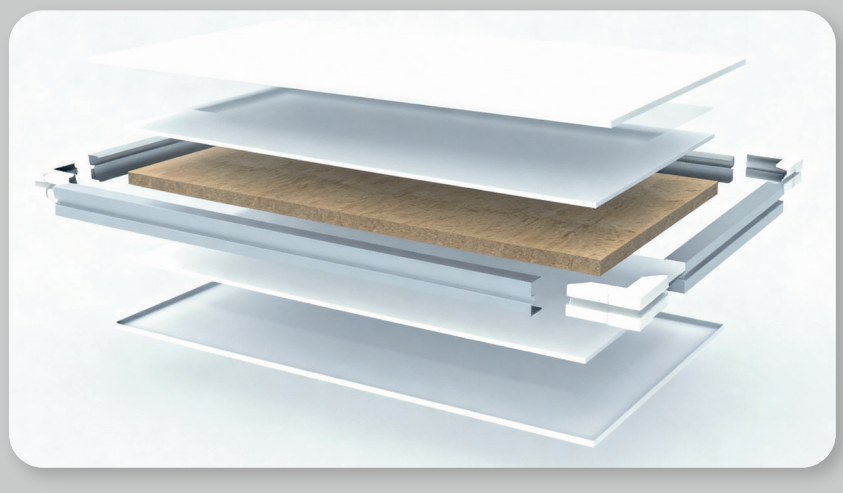


Cleanroom Excellence

Main Product

01

Cleanroom Panel Series



Specification

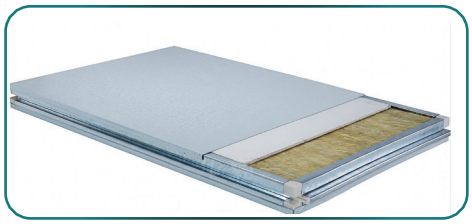
Regular thickness:
50mm

Regular width:
980 - 1180 mm

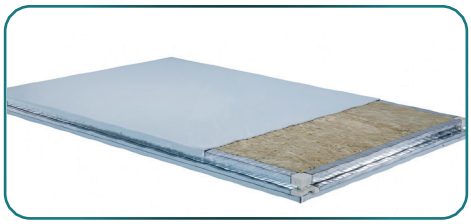
Regular length:
1000- 3000 mm

Regular Core Material:
MGO, Rockwool, Aluminum honeycomb, PU,EPS, MGO Rockwool, etc.

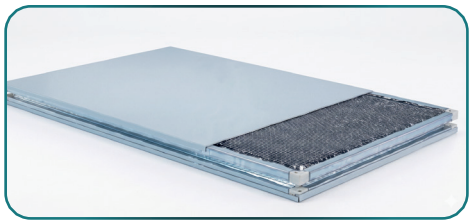
Core Material



01 Single and double- layer MGO with Rockwool core material



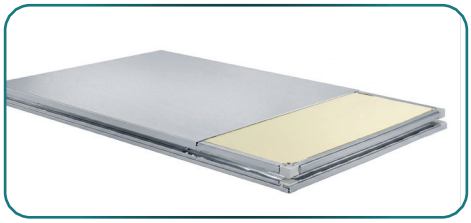
02 Rockwool core material



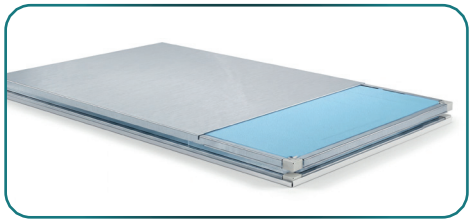
03 Aluminum honeycomb core material



04 Paper honeycomb core material



05 Polyurethane (PU) Core material



06 XPS & EPS Core Material



Three types of sandwich panels according to their application:

High pressure laminate (HPL) 01

HPL Sheets are highly resistant to wear , impact and heat, making them ideal for high- traffic and heavy use area.
HPL sandwich panels are widely used in hospitals, laboratories, and pharmaceutical industries. where both hygiene and mechanical strength are required

Pre-Coated Galvanized Iron 02

PCGI Sheets are widely used in various cleanroom industries.
PCGI is the most cost-effective option for cleanroom applications.

Stainless Steel Sheet 03

Compared to pre-coated galvanized iron , Stainless steel sheets have higher corrosion resistance making them suitable for damp, wet, and high hygiene environments like washing rooms.

Main Product

02

Cleanroom Door



Specification :

Size	Thickness	Material	Accessories
900 * 2100 mm 1200 * 2100 mm 1500 * 2100 mm Customized Size	50 mm	PCGI, HPL, Stainless Steel Sheet	Window, Door Closer, Door Lock and Hinge.

Type of doors :

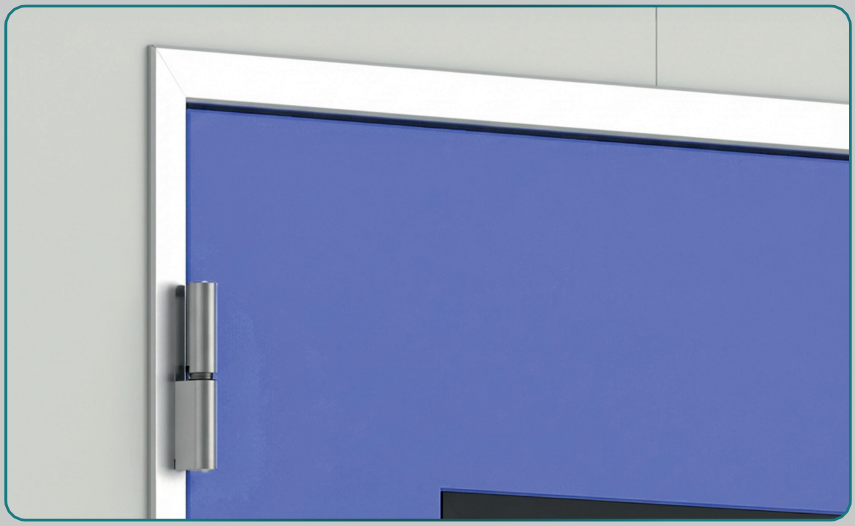




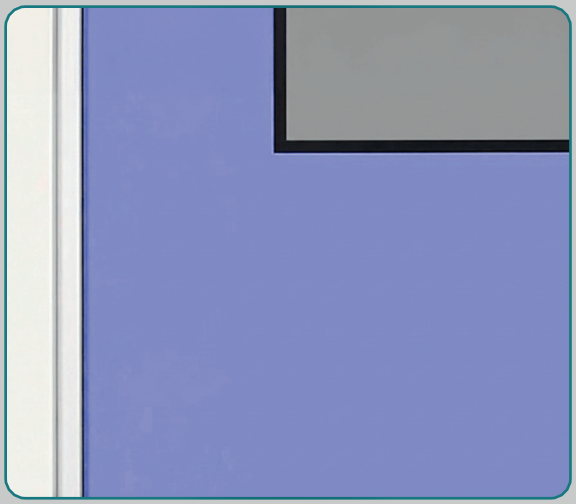


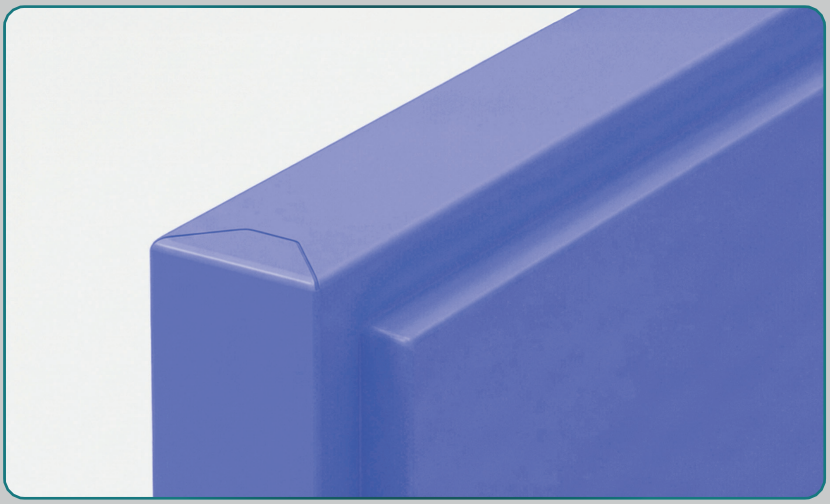












03

Cleanroom Window



The window frame is made of aluminum alloy, available in black, white, or stainless-steel inside. special glass such as fireproof glass, frosted glass, yellow light glass is optional.

Flush Electronic Atomization window

Parameter

Aluminum alloy frame thickness:	Tempered glass thickness:	Desiccant type:
1.3 mm	5 mm	mineral desiccant

there are center-shaped aluminum installation slots around the frame depending on the type of wall panel on site, you can use center shaped aluminum or aluminum manger to connect the wall panels, which has strong applicability.



Flush clean window

Parameter

Aluminum alloy frame thickness:	Tempered glass thickness:	Desiccant type:
1.3 mm	5 mm	mineral desiccant

there are center-shaped aluminum installation slots around the frame.depending on the type of wall panel on site, you can use center-shaped aluminum or aluminum manger to connect the wall panels, which has strong applicability.



Clamping Clean window

Parameter

Aluminum alloy frame thickness:	Tempered glass thickness:	Desiccant type:
11 mm	5 mm	mineral desiccant

the frame adopts a movable buckle structure and comes with its own edges. it does not require a manger during installation and has strong applicability





Flush clean window (Black Frame)



Flush clean window (White Frame)



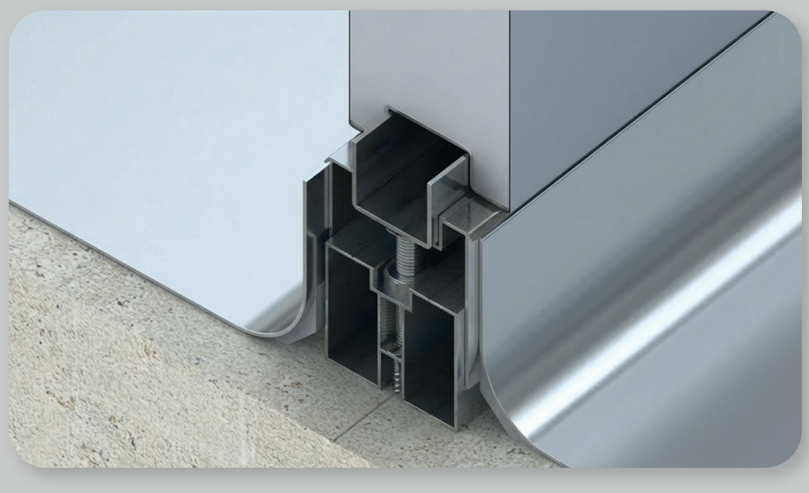
Outer square inner circle window

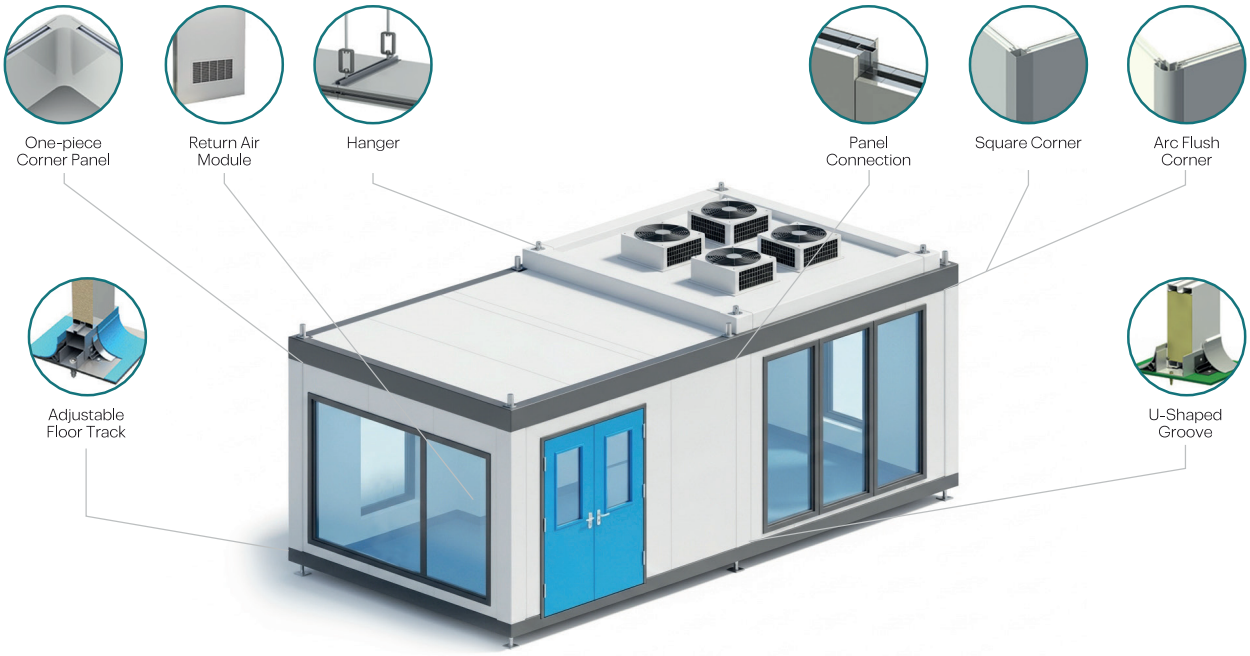


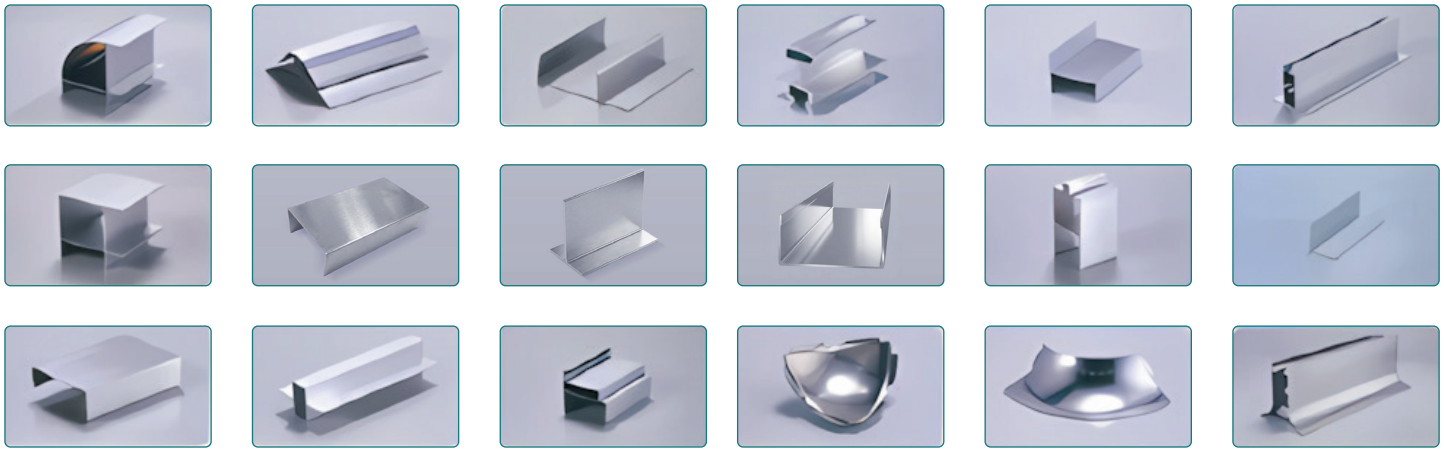
Right angle window

04

Installation Accessories







01 The installation accessories cover all Aluminum profile for the installation of wall panels, ceiling panels, doors, windows, etc.

02 Including wall-to-wall / door / window connector, wall-to-floor coving, U-channel. ceiling-to-ceiling connector and hanger, corner pieces, etc.



Built to comply

05

Lighting Fixtures



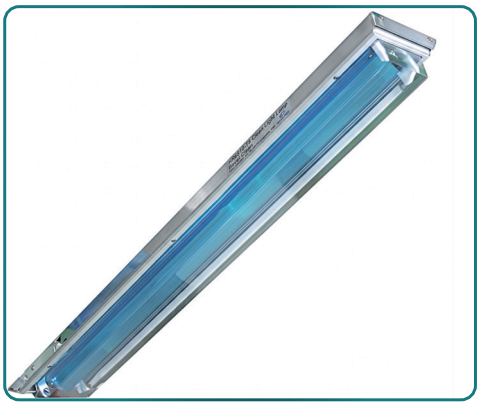
Model:
HR6810-T8 Clean Light Lamp Bevel Clean

Light body:
high quality stainless steel and cold rolled sheet.

Insulation Class:
Class I I Protection Grade: IP 44

Applications:
Pharmaceutical plants, electronic plants, high standard cleanroom lighting.

Product description:
Light body design hypotenuse is easy to clean, simple appearance, interior mirror reflector, lamp and lamp body is connected with high-quality seal.



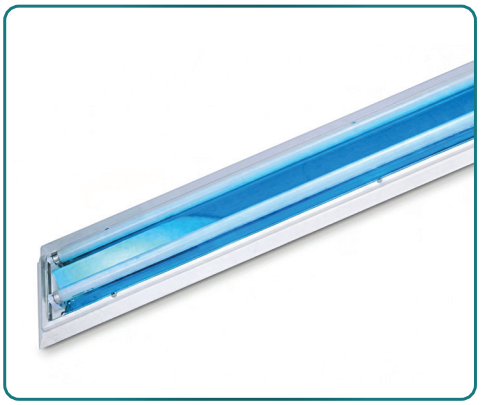
Model:
HR6810-T5 Bevel Edge Clean Light Lamps Clean

Light body:
stainless steel and cold rolled steel.

Insulation Class:
Class I I Protection Grade: IP 44

Applications:
Pharmaceutical plants, electronic plants, high standard cleanroom lighting.

Product description:
Hypotenuse style lamp body design for easy cleaning, neat appearance, interior mirror reflector, lamp and lamp body is connected with high-quality seal.



Model:
HR-MF/A Recessed Type Clean Light.

Light body:
Multiple lamp body sizes and light sources are available.

Insulation Class:
Class I I Protection Grade: IP 65

Applications:
Medical Facilities, Pharmaceutical Factories, Food Processing Plants, and Clean workshops in industrial environments.

Product description:
Uses an ultra-thin frame design, tightly fitted to the ceiling panel, with the gap between lamp body and rear cover filled with high-density sealing, it prevents dust and insects.



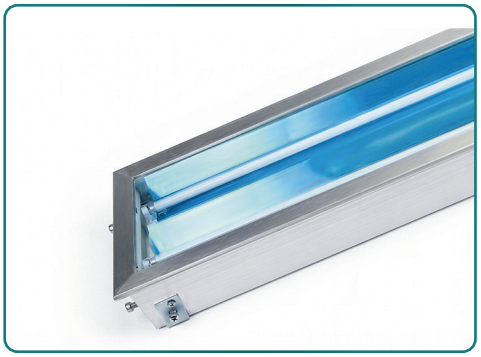
Model:
HR-MF/B Recessed Type Clean Light,0.9 mm Stainless steel frame, making it more durable, corrosion- resistant, and easier to clean.

Light body:
Multiple lamp body sizes and light sources are available.

Insulation Class:
Class I I Protection Grade: IP 65

Applications:
Medical Facilities, Pharmaceutical Factories, Food Processing Plants, and Clean workshops in industrial environments.

Product description:
Uses an ultra-thin frame design, tightly fitted to the ceiling panel, with the gap between lamp body and rear cover filled with high-density sealing, it prevents dust and insects.



Model:
HR-MF/CR-A Back Lift Type Clean Light.

Light body:
Made of 2mm cold-rolled steel plate, welded and treated with degreasing, phosphating, and electrostatic spraying. Frame is stainless steel with ≥ 120kg load capacity.

Applications:
Medical Facilities, Pharmaceutical Factories, Food Processing Plants, and Clean workshops (Class 100100,000-).

Product description:
Back-lift installation design with rear "card-type" opening for easy maintenance without disturbing the cleanroom.

Insulation Class:
Class I I Protection Grade: IP 44



HR-MF/CR-A Lower Open Type Clean Light

Model:
HR-MF/CR-B Lower Open Type Clean Light

Light body:
Made of 2mm cold-rolled steel plate, welded and treated with degreasing, phosphating, and electrostatic spraying. Frame is stainless steel with ≥ 120kg load capacity.

Applications:
Medical Facilities, Pharmaceutical Factories, Food Processing Plants, and Clean workshops (Class 100100,000-).

Product description:
Back-lift installation design with rear "card-type" opening for easy maintenance without disturbing the cleanroom.

Insulation Class:
Class I I Protection Grade: IP 44



HR-MF/CR-B Lower Open Type Clean Light

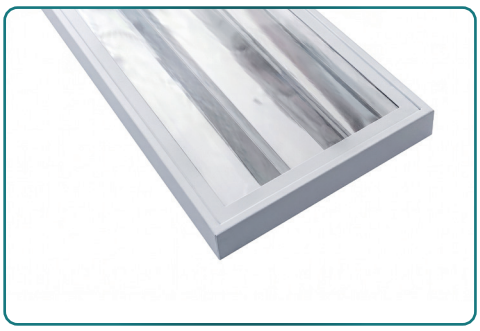
Model:
HR-SP Hight bay Clean Light

Light body:
Made of cold-rolled steel plate, processed by bending.

Insulation Class:
Class I I Protection Grade: IP 65

Applications:
Medical Facilities, Pharmaceutical Factories, Food Processing Plants, and Clean workshops (Class 100100,000-).

Product description:
Corrosion-resistant, wear-resistant, not prone to yellowing, and anti-glare frosted plate.



Model:
HR6830/A Medical Clean Light Strip

Light body:
High-Quality profile material with stainless steel & cold-rolled steel.

Product description:
Fixed clean light, snap-in design, square shape, internal mirror reflector. Lamp and cover connected with sealing strips.



HR6830/A Medical Clean Light Strip

Model:
HR6830/B Medical Clean Light Strip

Light body:
High- quality cold-rolled steel, stamped and bent.

Product description:
Fixed clean light, snap-in design, square shape. Frame edge 45o angle for more aesthetic look. High quality sealing strips. Customizable sizes.


HR6830/B Medical Clean Light Strip

Model:
HR6830/C Aluminum Gusset Plate Suspended Ceiling Clean Light.

Light body:
High-quality extruded profile material with stainless steel and cold-rolled steel.

Insulation Class:
Class I I Protection Grade: IP 44

Applications:
Medical Operating rooms, ICU wards, and similar applications.

Product description:
Fixed clean light, snap-in design, specifically designed for aluminum gusset suspended ceilings. Uses sealing strips for lamp-cover connection.


HR6830/C Aluminum Gusset Plate Suspended Ceiling Clean Light.

Model:
HR-MF/L-CR Recessed LED SMD Clean Light

Light body:
made of high- quality cold-rolled steel plate with molding, and high-quality acrylic/ tempered glass.

Insulation Class:
Class I I Protection Grade: IP 65

Applications:
Hospitals, Pharmaceuticals, Food Processing, Warehouse. Applicable for clean areas with cleanliness levels of 100100,000-.

Product description:
It uses the latest generation of semiconductor LED ship light source, with long lifespan, large luminous flux, and excellent energy efficiency.


HR-MF/L-CR Recessed LED SMD Clean Light

Model:
HR-MF/L-A Bevel Edge LED Clean Panel Light

Light body:
made of high- quality old-rolled steel plate with molding, and high-quality acrylic/ tempered glass.

Insulation Class:
Class I I Protection Grade: IP 65

Applications:
Hospitals, Pharmaceuticals, Food Processing, Warehouse. Applicable for clean areas with cleanliness levels of 100100,000-.

Product description:
Corrosion-resistant, wear-resistant, not prone to yellowing, and anti-glare frosted plate.


HR-MF/L-A Bevel Edge LED Clean Panel Light

Model:
HR-MF/L-B Straight Edge Type LED Clean Light / Panel light

Light body:
made of high- quality cold-rolled steel plate with molding, and high-quality acrylic/ tempered glass.

Insulation Class:
Class I I Protection Grade: IP 65

Applications:
Medical Facilities, Pharmaceutical Factories, Food Processing Plants, and Clean workshops (Class 100100,000-).

Product description:
Corrosion-resistant, wear-resistant, not prone to yellowing, and anti-glare frosted plate.


HR-MF/L-B Straight Edge Type LED Clean Light / Panel light

Model:
HR-MF/L-C Stainless Steel Edge LED Clean Light / Panel light

Light body:
made of high- quality cold-rolled steel plate with molding, and high-quality acrylic/ tempered glass.

Insulation Class:
Class I I Protection Grade: IP 65

Applications:
Hospitals, Pharmaceuticals, Food Processing, Warehouse. Applicable for clean areas with cleanliness levels of 100100,000-.

Product description:
Corrosion-resistant, wear-resistant, not prone to yellowing, and anti-glare frosted plate.


HR-MF/L-C Stainless Steel Edge LED Clean Light / Panel light

Model:
HR-MF/L-D Recessed LED Type Clean Panel Light

Light body:
made of high- quality cold-rolled steel plate with molding, and high-quality acrylic/ tempered glass.

Insulation Class:
Class I I Protection Grade: IP 65

Applications:
Hospitals, Pharmaceuticals, Food Processing, Warehouse. Applicable for clean areas with cleanliness levels of 100100,000-.

Product description:
Corrosion-resistant, wear-resistant, not prone to yellowing, and anti-glare frosted plate.


HR-MF/L-D Recessed LED Type Clean Panel Light

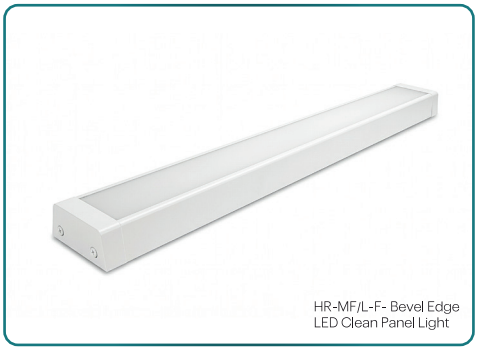
Model:
HR-MF/L-F- Bevel Edge LED Clean Panel Light

Light body:
made of high- quality cold-rolled steel plate with molding, and high-quality acrylic/ tempered glass.

Insulation Class:
Class I I Protection Grade: IP 65

Applications:
Hospitals, Pharmaceuticals, Food Processing, Warehouse. Applicable for clean areas with cleanliness levels of 100100,000-.

Product description:
Corrosion-resistant, wear-resistant, not prone to yellowing, and anti-glare frosted plate.


HR-MF/L-F- Bevel Edge LED Clean Panel Light

Model:
HR-MF/L Aluminum Gusset Plate Suspended Ceiling LED Clean Panel light

Light body:
made of high- quality cold-rolled steel plate with molding, and high-quality acrylic/ tempered glass.

Insulation Class:
Class: Class I

Applications:
Hospitals, Pharmaceuticals, Food Processing, Warehouse. Applicable for clean areas with cleanliness levels of 100100,000-.

Product description:
It uses the latest generation of semiconductor LED ship light source, with long lifespan, large luminous flux, and excellent energy efficiency.



Top Quality

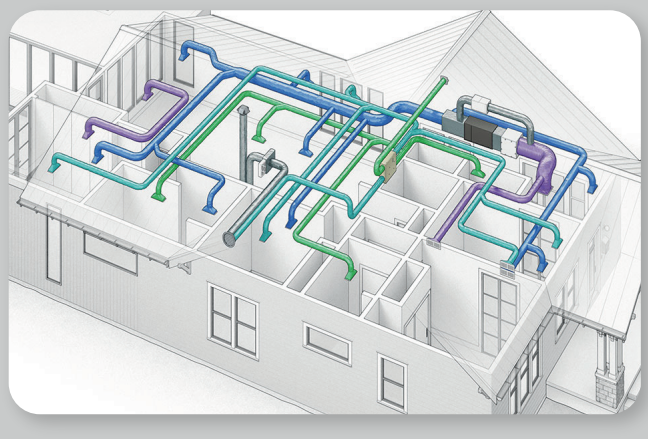


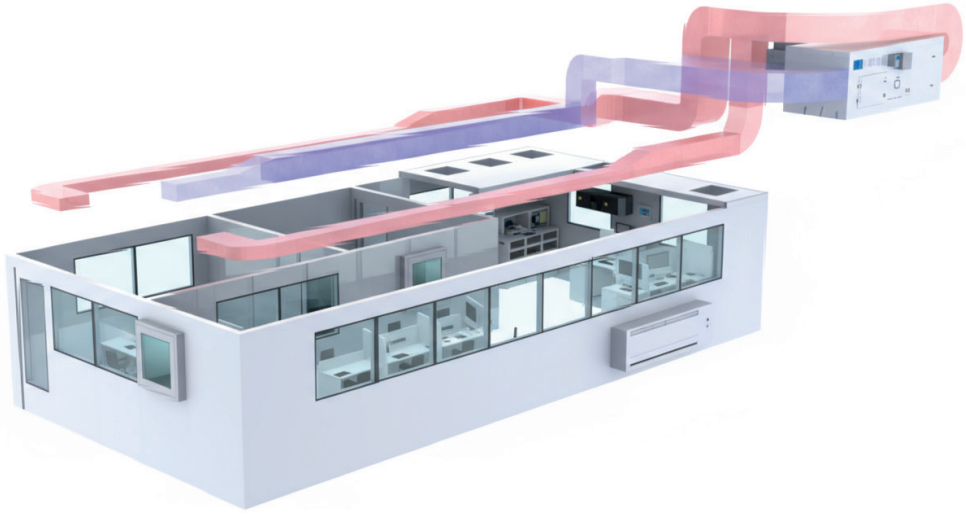


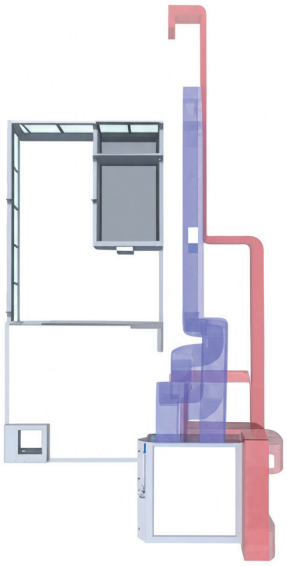
services for Cleanroom

06

HVAC System



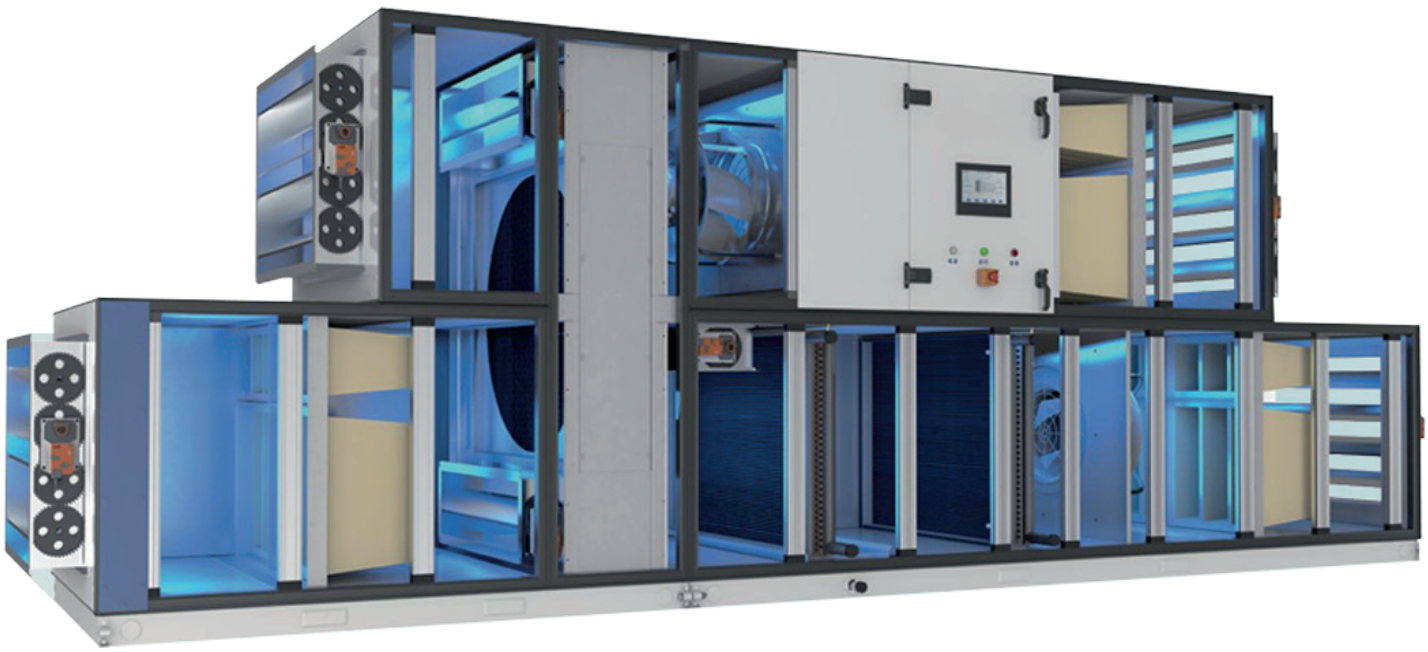


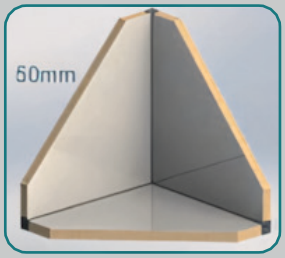


The HVAC system is a vital component for cleanroom, ensuring precise control of temperature, humidity, and airborne particles, to achieve optimal performance.

Our professional teams provide system design, installation, and reliable after-sales service according to specific requirements of each clean environment.

With decades of experience, Valtech provides advanced Air Handling Units (AHUs) that combine flexibility, modular design, and energy efficiency. Each unit is engineered and customized to meet the unique needs of your process and building, ensuring reliable and consistent air purification performance.





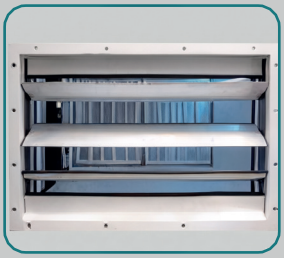
Sandwich Panel Construction



Adjustable Hinges



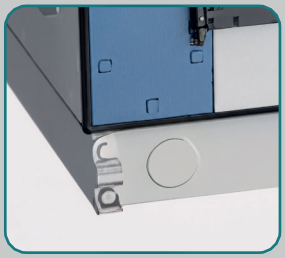
Pressure monitoring



Damper



Hygienic Interior Design



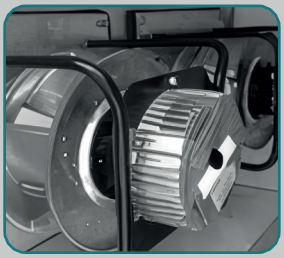
Base Design



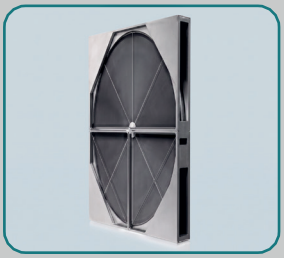
Coil



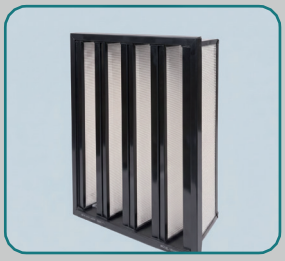
Drain Pan



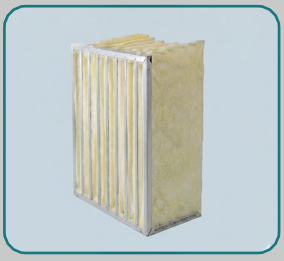
Energy-efficient Fan System



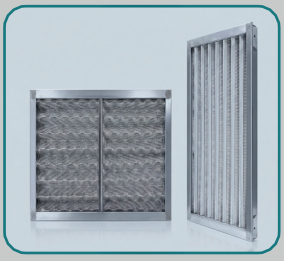
Heat Exchanger



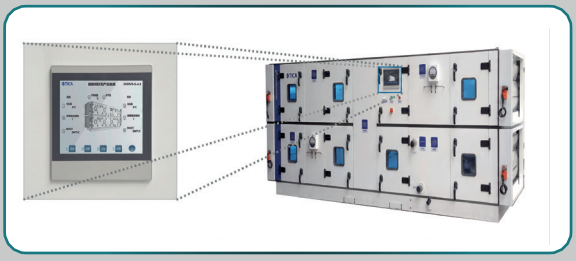
Filter



Filter



Filter



Control Cabinets

07

FFU
Fan Filter Unit



FFU (Fan Filter Unit) is a self-powered modular air-supply and filtration device that draws air from the top, passes it through a HEPA filter, and delivers uniformly filtered clean air across the entire surface at 0.45 m/s ± 20%. FFU units can be modularly connected and are widely used in cleanrooms, and local 100-level applications (laminar flow).

Fan Filter Unit for Equipment



Housing	Cold-rolled steel plate, Stainless steel brushed panel, Stainless steel mirror panel, Galvanized sheet, Aluminum plate.
Power supply	Single-phase AC 220240- V
Fan type	DC motor with aluminum alloy impeller
Filtration efficiency	99.95% ~ 99.995% @0.3µm particles
Noise dB(A):	equal-less than 56
HEPA Filter Dimension:	220x610x69 / 1170x570x69 / Customized
Primary Filter Dimension:	450x400x25 / Customized
Weight (Kg):	24 / 31 / Customized
External Dimension:	1220x610x390 / 1170x570x340 / Customized

08

Mechanical Parts



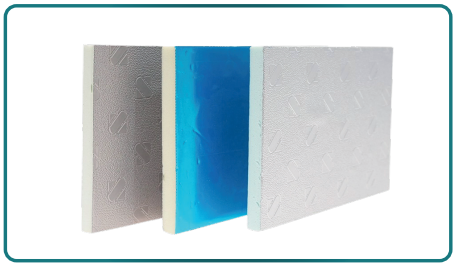
Duct Material

GI Duct: Galvanized Iron Duct, is most widely used duct due to strength and corrosion resistance.

Aluminum Duct: it is widely used for light weight and flexible application in cleanrooms.

Pre-Insulated Duct:
Eco-friendly solutions with high-density insulation (48–52 kg/m³) and 20.5 mm thickness for excellent thermal performance and energy efficiency.
Available with specialized aluminum facings including coated, antibacterial, and anti-corrosion finishes for high-purity environments





HVAC Component

Diffuser

Material:
Aluminum/ Galvanized Steel/ Stainless Steel

Type:
Round/Square, Perforated/ 4way

Size:
380x380/ 450x450/ 520x520/ Customized



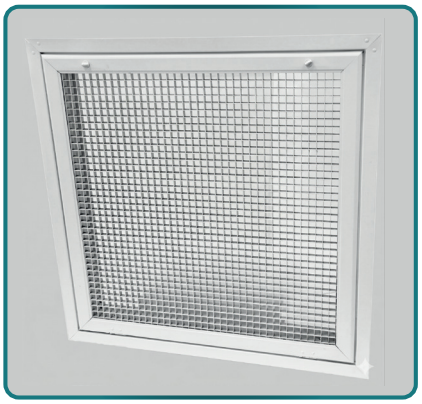




Grill

Material:
Aluminum/ Galvanized Steel/ Stainless Steel

Size:
380x380450/x450520/x520/ Customized





Damper

Material:
Aluminum/ Galvanized Steel/ Stainless Steel

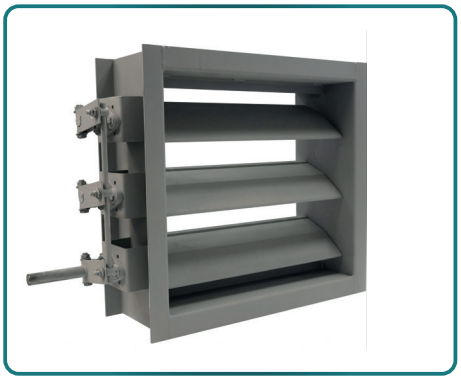
Type:
Manual, Volume, Gravity, Fireproof Damper

External Dimension:
200x200/ 320x200/ 320x250/ Customized

Actuator:
Optional







HEPA Housing

Material:
Cold-Rolled Steel/ Stainless Steel

Max. Airflow:
5003000/2000/1500/1000/ m^3/h

Unit Dimension (LxWxD mm):
460x460x268594/x594x268 720/x720x268/ Customized With DOP testing port





HEPA Filter is installed in the HEPA housing

09

Cleanroom Equipment & Furniture

Stainless Steel Hanging





Shelves




Cleanroom Tables







Cleanroom Cabinet and locker







Step-Over & Shoe Cabinet




Cleanroom Trolley





Dispenser & Holder




Stainless steel Container




Cleanroom Seating



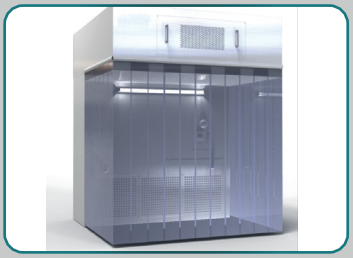

Step ladder



Pass Box
(Static / Dynamic)



Weighing Booth



Air Shower



Fume Hood



Biosafety Cabinet



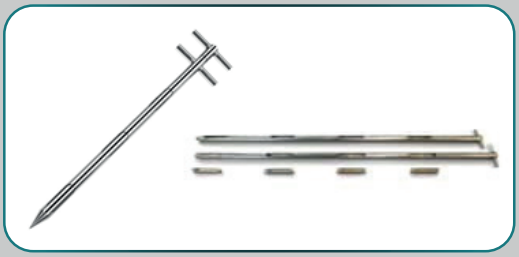
Laminar Airflow Cabinet



Gowning Mirror



Sampling Thief
(Solid or Liquid)



Tank



10

Utility Equipment for Pharmaceutical Applications



Compressed Air Systems (GMP- Grade)	. Heavy-duty design. . Oil-free air. . pharmaceutical-grade compressors provide stable pressure, low noise, and high purity air. . Our expert team can help you select the best air compressor based on your specific industrial or commercial needs.
Industrial Chillers	. Variety of industrial applications. . Chillers for indoor and outdoor installation. . Accurate cooling performance and energy-efficient operation for pharmaceutical applications.
Pure Steam Generators	. Designed and built in accordance with cGMP requirements. . Suitable for SIP of tank, piping, and process equipment.
Water Treatment Units	. Supply complete water- purification systems including pre-treatment, softening, RO, and EDI, with related tanks.
Distillation Units (Multi-Effect distiller)	. Produces Water for Injection (WFI) in accordance with all recognized pharmacopeias. . Meet standards of the pharmaceutical industries and cGMP requirements.
Industrial Boilers	. Our range cover steam boiler and electrical boiler with their accessories, etc. . Deliver stable, efficient steam suitable for cleanroom and utility's requirements.








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