



Pharmaceutical Clean Room Sandwich Panel With Advanced HVAC System Heat Recovery Air Handling Unit

Our Product Introduction

Basic Information

- Place of Origin: HEBEI, CHINA
- Brand Name: BAODU
- Certification: CE
- Model Number: New Design Pharmaceutical Modular GMP Standard Clean Room Sandwich Panel
- Minimum Order Quantity: 500 square meters
- Price: \$13 per square meter
- Packaging Details: For sandwich panel and color steel sheet, we use plastic packing. If the clients need special packing, we will according to their requirements.
- Delivery Time: 15 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 5000 Square Meter/Square Meters per Day



Product Specification

- Product Name: New Design Pharmaceutical Modular GMP Standard Clean Room Sandwich Panel
- Size: 1150mm Width, Height Customized
- Keyword: Clean Room Sandwich Panel
- Project Service: Design, Manufacturing, Construction
- Core Materials: Mgo/rock Wool/PU/silica Rock
- Applications: 100 Lab / Laboratory Clean Room
- Cleanliness: Class 100-100,000
- HVAC System: Heat Recovery Air Handling Unit
- Feature: Fire Proofing, Thermal Insulated, Big Bearing Capacity
- Color: Light Gray
- Highlight: **Pharmaceutical Clean Room Sandwich Panel, Advanced HVAC System Sandwich Panel**



Product Description

New Design Pharmaceutical Modular GMP Standard Clean Room Sandwich Panel

Product Overview-----

GMP requires a cleanroom or clean area for pharmaceutical manufacturing. Within the GMP there are further standards for the materials used in the construction of a cleanroom or area compliant with GMP. All materials must be able to withstand frequent cleaning and disinfection. Additionally, materials must be free of cracks, smooth and level, and able to interlock seamlessly. Particulate materials may not be used due to the risk of contamination. Aside from GMP compliance, other factors such as durability, ease of installation, and cost come into consideration when designing a cleanroom. At BAODU we will guide you through the design process step by step to ensure that both GMP standards, your needs, and your budget are all satisfied.

- Panel come with steel frame four sides to avoid contamination
- Resistant to chemical, attack abrasion and scratches Clean Room Fabrication (Architecture), including: clean room partition wall system; clean room suspended ceiling system.
- High quality insulation core materials
- Pre-embedded reinforcement for the opening of light fixture and air filters.
- Pre-embedded conduit for wiring.
- Advanced design makes all connection smooth, flush and cleanable
- Easy and fast installation system
- Finishing Surface can be flush connection as required.
- Strong walkable ceiling/ false ceiling
Machine –made economical sandwich panelModular wall and ceiling sandwich panel for china modular clean room turnkey for pharmaceutical factory
- Hand-made modular sandwich panel
- Skin:
 - Pre-painted galvanized steel (PPGI) skin
 - 304S.S skin
 - HPL(Melamine high pressure laminate) skin
- Core insulation material:
 - EPS(Expanded polystyrene)
 - PUF (Polyurethane foam)
 - Rock wool (mineral wool)
 - Paper or aluminum honeycomb
 - With magnesium gypsum board

Clean Room Sandwich Panel Characteristics-----

| sandwich panel | double side steel +silicon rock filler | double side steel +rock wool filler | double side steel+EPS filler | double side steel+magnesium oxide board |
|---------------------|---|-------------------------------------|------------------------------|---|
| fire proofing grade | A | A | B | A |
| Function | Wall and Ceiling panel | | | |
| Size | 1150mm width, height customized | | | |
| Thickness | 12mm, 50mm, 75mm, 100mm | | | |
| Installation | 1. we send engineer to customer side 2. construct out to construction team 3. customer send technician to our company for free studying | | | |

Related Purification Equipment-----



Pass Box



Laminar Clean Bench



Air Shower



Fan Filter Unit(FFU)



Air Handling Unit(AHU)



PVC Rolling Door

Clean room doors for modular clean room turnkey for pharmaceutical factory

- Alu frame panel doors
- Flush type steel skin doors
- HPL skin doors
- Stainless steel doors
- Auto sliding door
- Emergency door

Clean room windows for modular clean room turnkey for pharmaceutical factory

- Flush type double glass window
- Alu frame double glass window
- Single glass window

Alu profile coving, corner, hanging and connection system

HVAC System for modular clean room turnkey for pharmaceutical factory

•HVAC design and room data: according to ISO14644-1 and CFR209E cleanliness class

Chiller system:

- Air cooling chiller
- Water cooling chiller

Air handling unit (AHU)

•Humidifier or dehumidifier

•Air supply ducts

•HEPA filter box

•Air return and air exhaust ducts

•Diffuser, grills , valves, damper and louver, fan etc

Flooring system for Modular Portable Clean Room 100 class clean room house Prefabricated

Clean RoomAccessory Equipment:

- Clean room telephone
- Static pass through box
- Dynamic pass through box

Successful Project-----



Hospital



Manufacturing



Semiconductor



Food
Manufacturing



Life Sciences



Agriculture



Microbiology



Automotive

Semiconductor Wafer Fabs (Class 10 Cleanrooms)

* Solution:

* Wall-ceiling system integrated with HEPA filters

* Grounding resistance $< 1 \times 10^6 \Omega$, compliant with SEMI F47 voltage sag standards

* Case Study: 32,000m² deployed in a Taiwan 12-inch wafer fab project

Facilities

* Key Technologies:

* Radius corners ($R \geq 50\text{mm}$) to eliminate cleaning dead zones

* Pre-installed ports for real-time particle monitoring

Data Center Retrofits

* Energy Efficiency Data:

* U-value $0.28 \text{ W/m}^2\cdot\text{K} \rightarrow 18\%$ annual cooling energy savings

Our company-----





Digital Bending Machine



Filter Media
Pleating Machine



Filter Media
Pleating Machine



Automatic PAO Testing Platform



CNC-router

Baodu International Advanced Construction Material Co.,Ltd was established in January 2010 with the office in Beijing and factory in Hebei, China.

Baodu is a designer, manufacturer, supplier and exporter of acoustic sandwich panel, insulated metal panel, profiled steel sheet, perforated metal sheet, steel structure and warehouse.

Baodu has the patented and customized double connection sandwich panel production line and imported steel plate bending machines from Swiss land and Germany.

Baodu has an annual output of 6 million square meters of acoustic sandwich panels, 100000 tons of steel structures and 1 million square meters of profiled steel sheet.

Baodu has a professional design team with more than 10 years' experience, including 5 senior engineers, 20 engineers, and 35 technicians. Baodu has over 70 intellectual property rights, More than 30 registered trademarks, CE certification and Russian GOST certification etc.

Baodu have successively served key projects in in Dubai, Mongolia, Philippine, Mexico, US , Australia, Iraq, etc. the key projects is as below : Mongolia MCS Group Gold Mine Project; Philippines Malivans 2x330MW Coal-fired Power Plant Project; China Eastern Airlines Maintenance Warehouse Project of Beijing Daxing Airport

; Iraq Basra Gas Turbine Combined Cycle Power Plant Expansion Project; Dubai Hasyan 4*600MW clean coal-fired power plant project. Welcome your coming to Baodu for a visit and cooperation!



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