



OUDELONG®

Steel Door



Data Sheet



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Steel Door

OUDELONG provide installation, servicing, technical advice, product selection and demonstrations for clean controlled environments with **Innovation, Design and Quality** at the heart.

OUDELONG manufacture high quality clean room, high containment and material decontamination products. When you need areas and staff to be contamination free and protected from pathogens, you need dependable equipment which will maintain critical biosafety levels, achieve sterility and protect data reliability.

Complying with local and global regulations OUDELONG's products can be designed to meet your specific requirements. Over 10 years knowledge and competence within the specialist sectors, always going through extensive research and development and offering accurate assistance during project planning to consultants, architects and end users to deliver successful projects.



Innovation

Incorporating your requirements to create product ranges to exceed expectations



Design

Leading the way with pioneering design, ensuring customer requirements are achieved



Quality

Delivering high quality products for over 10 years, with rigorous testing and inspection

A leading one-stop supplier of cleanroom--OUDELONG

The search for innovative design, an eye for detail and advanced manufacturing techniques has seen PBSC gain a deserved reputation as the premier supplier within cleanroom environments.

Supporting the customer throughout the process continuing to meet the growing challenges and striving for continual improvement with our ISO 9001 QA processes independently audited and updated on a regular basis.





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Air Shower

Guangdong Oudelong Technology Co., Ltd.

Introduction

Features and benefits

ENVIRONMENTAL FRIENDLY

Non-porous, non-scratching, and non-absorption panel surface. Free of solvents, pigments, fading, corroding and toxic chemicals such as isocyanates, CFCs or hydrofluorocarbons. The exclusive internal corners of the frame are fully welded and ground and polished, exceeding ISO7, FDA and GMP requirements.

Area of application

Cleanroom Air Shower are ideal for controlling access and maintaining containment in cleanrooms across various industries. Made from high-grade steel, these doors offer durability and a smooth surface that is easy to clean. Their tight seals prevent dust, microbes, and other pollutants from entering, ensuring the integrity of the cleanroom environment. These doors are essential in protecting sensitive manufacturing processes in industries such as microelectronics, life sciences, pharmaceuticals, and aerospace.

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1. Corner bracket

Corner bracket is usually made from high strength alloy that are corrosion and wear resistant to ensure that they maintain their performance under frequent use.

2. Door frame

Door frame is usually made from high strength alloy or tempered glass for strength and security. The structure can be an air or an inert gas filling, expert to enhance thermal and acoustic insulation. The window frames are usually made of aluminum or stainless steel for good corrosion resistance and strength.

3. Door handle

Handles are usually made of stainless steel or galvanized steel, which are rust and corrosion resistant and have high strength to ensure the door opens and closes smoothly.

4. Door lock

Door lock is usually made of stainless steel or galvanized steel, which are rust and corrosion resistant and have high strength to ensure the door opens and closes smoothly.

5. Door hinge

Door hinge is usually made of stainless steel or galvanized steel, which are rust and corrosion resistant and have high strength to ensure the door opens and closes smoothly.

6. Door seal

Door seal is usually made of soft, spring resistant rubber or silicone materials that form an effective seal when the door is closed, preventing air, dust and noise from passing through. The smooth surface makes it easy to clean and maintain.

7. Door handle

Door handle is usually made of stainless steel or galvanized steel, which are rust and corrosion resistant and have high strength to ensure the door opens and closes smoothly.

8. Door lock

Door lock is usually made of stainless steel or galvanized steel, which are rust and corrosion resistant and have high strength to ensure the door opens and closes smoothly.

9. Door hinge

Door hinge is usually made of stainless steel or galvanized steel, which are rust and corrosion resistant and have high strength to ensure the door opens and closes smoothly.

10. Door seal

Door seal is usually made of soft, spring resistant rubber or silicone materials that form an effective seal when the door is closed, preventing air, dust and noise from passing through. The smooth surface makes it easy to clean and maintain.

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6. Door handle
Door handle is usually made of stainless steel or galvanized steel, which are rust and corrosion resistant and have high strength to ensure the door opens and closes smoothly. The handle may be equipped with a screen to prevent dust and microorganisms from entering the laboratory.

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Style:



Single Open



Double Open



Unspread Double



With Glass Screen



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Door frame type

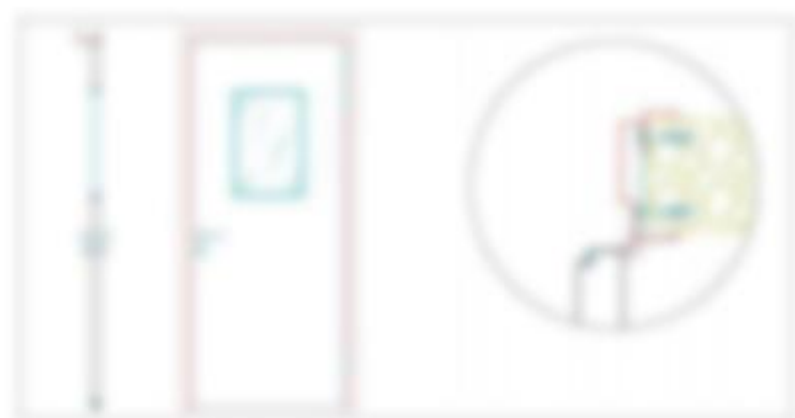
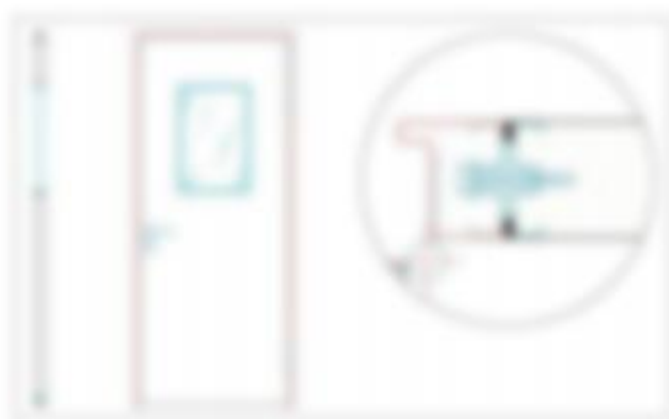
Top Fixed Door Door



Bottom Fixed Door Door



Door Wall Door Door



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Technical Parameter	
Standard size	2000mm/2200mm/2400mm/2600mm/2800mm (Customized size available)
Door frame structure	Galvanized steel / Aluminum (Customized door frame size available)
Door frame material	1.5mm galvanized steel sheet
Door leaf material	1.2mm galvanized steel
Door leaf thickness	30mm
Filling material	High temperature resistant transparent heat seal
Window	Double-layer vacuum or insulated corner windows and doors
Window size	400-600 mm, customizable
Window color	White or black
Door	Customized size and color with 1.5mm galvanized steel
Life	10 years or more

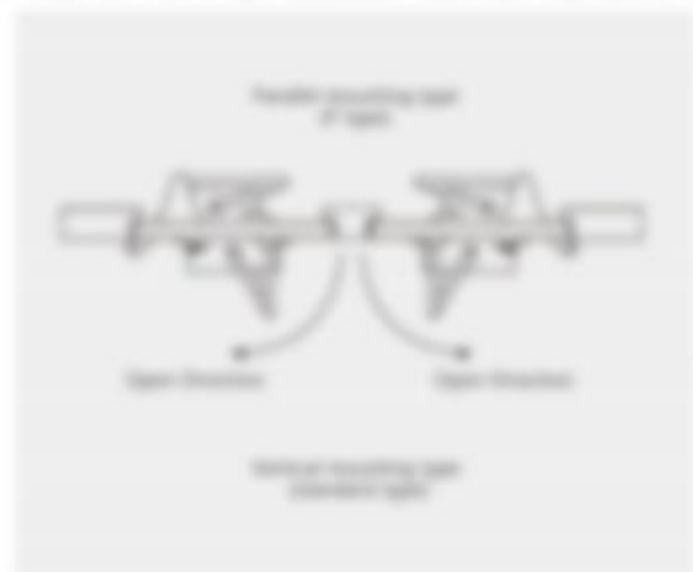
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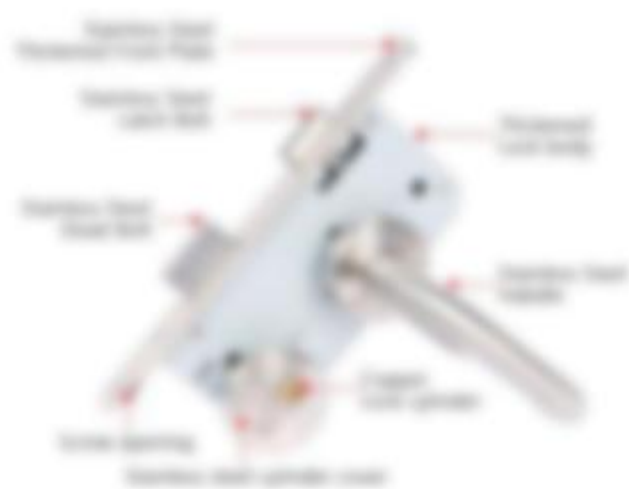


How to install the hinge

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