

Product Name :
Double-Door Sterilizer

Product Code :
MM-CHINA11001-002



Description :

Double-Door Sterilizer

Technical Specification :

The Double-Door Sterilizer (also known as a Pass-Through Chamber or Interlocking Sterilization Cabinet) is a critical hygiene solution for pharmaceutical, medical, laboratory, food processing, and biotech environments. Designed to eliminate cross-contamination during material transfer between clean and non-clean areas, it ensures a sterile workflow with UV light, ozone, and optional dry-heat sterilization.

Ideal for GMP, ISO, and biosafety-compliant facilities, this cabinet maintains environmental integrity while enabling efficient, safe item transfer.

Interlocking Double Doors – Prevent Cross-Contamination

Equipped with electronic or mechanical interlock system – both doors cannot open simultaneously. Ensures complete separation between cleanroom and external areas, meeting GMP, ISO 14644, and FDA standards.

Multi-Mode Sterilization for Maximum Effectiveness

UV-C Germicidal Lamp (254nm): Destroys DNA of bacteria, viruses, and molds (99.9% kill rate)

Ozone Generator (Optional): Powerful oxidation penetrates hard-to-reach areas; automatically decomposes post-cycle

Dry-Heat Sterilization (Optional): Up to 180°C for heat-resistant tools, glassware, or metal instruments

Includes timer control, automatic exhaust, and completion alarm.

Premium SUS304 Stainless Steel Construction

Full 304 stainless steel body with smooth, seamless interior — corrosion-resistant, easy to clean, and compliant

with food & medical hygiene standards.

Smart Microcomputer Control Panel

Digital LED display allows precise setting of:

UV exposure time (1–60 min)

Ozone generation duration

Heating temperature & time

Delayed door unlock function

User-friendly interface with real-time operation monitoring.

HEPA Filtration System (Optional)

Integrated H13 or H14 HEPA filter removes airborne particles $\geq 0.3\mu\text{m}$ with 99.97%–99.99% efficiency, ensuring internal air purity during and after sterilization.

Multiple Sizes & Customization Available

Standard sizes: 300×300×300mm to 600×600×600mm

Custom dimensions, voltages (110V/220V), door orientation, and features

Optional add-ons: Interior light, fan, viewing window, casters

Wide Range of Applications

Hospital pharmacies & sterile preparation rooms

Laboratory equipment disinfection

GMP pharmaceutical manufacturing

Food processing material sterilization

Cosmetic cleanroom transfers

Central sterile supply departments (CSSD)



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