Clean Bench/ Laminar Airflow Cabinet

Model **MSMDCW1300SWISS** | Brand **Master Science** | Unit **Pc**



Vertical Laminar Flow Cabinet

The MSMDCW1300SWISS Vertical Laminar Flow Cabinet is designed to provide a sterile working environment for applications such as plant tissue culture, media preparation, and other laboratory processes requiring contamination-free conditions. It ensures sample protection by maintaining a vertical, unidirectional airflow.

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Key Features

Centrally located control panel with downward angle for easy reach and viewing

BRUSHED STAINLESS STEEL WORK SURFACE FOR EASY CLEANING

Non-direct lighting to reduce operator eye strain while maintaining proper illumination

MICROPROCESSOR CONTROLLER WITH LCD DISPLAY

Displays operating status of airflow, filter life, and UV lamp life

Front sliding sash interlock with fan and UV lamp to prevent exposure

UV-RESISTANT TEMPERED GLASS FOR ENHANCED PROTECTION

Independent capacitors for host and sockets to prevent overload

MEMORY FUNCTION TO RESUME OPERATION AFTER POWER FAILURE

HEPA filter and UV lamp life indicators for timely replacements

WATERPROOF SOCKETS FOR CONVENIENT USE OF SMALL INSTRUMENTS

This vertical laminar flow cabinet offers an optimal balance of affordability and performance, ensuring a clean and controlled environment for laboratory applications.

Technical Specifications

PARAMETER	SPECIFICATION
Dimensions (External Size (W×D×H))	1322×712×1851 mm
Dimensions (Internal Size (W×D×H))	1221×616×626 mm
Dimensions (Work Surface Height)	750 mm
Airflow and Filtration (Airflow Velocity)	Adjustable, 0.2~0.5 m/s
Airflow and Filtration (HEPA Filter)1 pcs, Efficiency	> 99.995% at particle size of 0.3μm
Airflow and Filtration (Pre-Filter)	1 pcs, Polyester fiber, washable
Airflow and Filtration (Cleanliness Grade)	ISO Class 5 (formerly Class 100)
Cabinet Construction (Main Body)	Electro-galvanized steel with antimicrobial powder coating
Cabinet Construction (Work Surface)	304 stainless steel
Cabinet Construction (Side Windows)	5 mm UV-resistant tempered glass
Electrical System (LED Lamp)	9.6W
Electrical System (Power Consumption)	285W (excluding socket load)
Electrical System (Power Supply)	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Noise and Illumination (Sound Emission)	≤65 dB(A)
Noise and Illumination (Illumination)	≥900 Lux
Airflow and Filtration (Partial Air Circulation)	Perforations at the back wall to eliminate air turbulence and dead air corners
Cabinet Construction (Front Window)	Manual sliding sash (5 mm UV-resistant tempered glass) with counter-balance system and ergonomic handle
Electrical System (UV Lamp)	30W (253.7 nm wavelength) with timing function (0 to 999 minutes), interlocked with front sliding sash

Standard Accessories Included

- Base Stand
- LED Lamp
- UV Lamp
- Waterproof Socket ×2

Optional Accessories

- Gas Tap
- Shipping Details:
- Gross Weight: 255 kg
- Shipping Size (W×D×H): 1460×990×1325 mm
- Shipping Volume: 1.92 m³