

HORIZONTAL FLOW CLEAN BENCH

Product Overview

The horizontal flow clean bench is a local clean device designed based on the principle of horizontal unidirectional air - flow organization. It purifies the incoming air through a high - efficiency air filter, creating a horizontal clean air - flow barrier from one side of the operation area to the other. This can not only effectively prevent the intrusion of external non - clean air into the operation area, but also quickly carry away the pollutants generated during the work process, thereby creating a controlled environment that meets specific cleanliness levels within the work area.

Product Features



The horizontal laminar air - flow design ensures a stable and consistent air velocity, creating a unidirectional clean air - flow layer in the working area that rapidly carries away pollutants within the area.

The workbench surface is made of thickened stainless steel with rounded and seamless edges. It is resistant to acids and alkalis and easy to clean. The overall structure is solid and has an excellent load - bearing capacity.

The multi - stage filtration and purification system features both primary and high - efficiency purification. It can filter out over 99.995% of particulate impurities, maintaining the Class A (100 - level) cleanliness standard in the working area for a long time.

The intelligent control panel is used to control functions such as fan speed adjustment, ultraviolet lamp operation, and lighting switch. The operations are intuitive, and the status is displayed in real - time.

Working Principle

The horizontal flow clean bench sucks in air through a fan. After high - efficiency filtration, it forms a clean air flow that blows horizontally across the operation area. This not only blocks the entry of external dirty air but also carries away internal pollutants, keeping the operation area clean.



Single person horizontal flow workbench (with polyurethane panel)

Technical Parameters

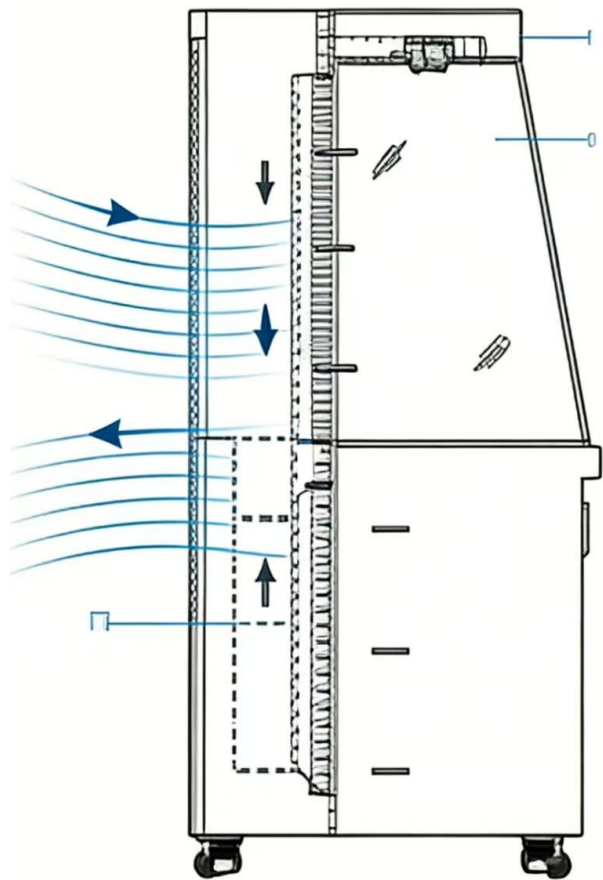
Technical Specifications	Model SW - CJ - 1C	Model SW - CJ - 2C
Overall Dimensions(mm)	9007301450	15307301450
Working Area Dimensions(mm)	860480640	1500480640
Filter Dimensions and Quantity(mm)	820×600×50 × ①	600×630×50 × ②

Technical Specifications	Model SW - CJ - 1C	Model SW - CJ - 2C
Number of Applicable Persons	Single - person	Double - person
Cleanliness Class	Class A, ISO 5 (Class 100)	Class A, ISO 5 (Class 100)
Filtration Efficiency	$\geq 99.995\%$	$\geq 99.995\%$

Technical Specifications	Model SW - CJ - 1C	Model SW - CJ - 2C
Air Velocity	0.45m/s \pm 20%	0.45m/s \pm 20%
Noise Level	\leq 65dB	\leq 65dB
Cabinet Material	High - quality steel plate with powder coating	High - quality steel plate with powder coating

Technical Specifications	Model SW - CJ - 1C	Model SW - CJ - 2C
Working Area Tabletop Material	High - quality 304 stainless steel material with a brushed surface finish	High - quality 304 stainless steel material with a brushed surface finish
Power Supply	220V, 50Hz	220V, 50Hz
Ultraviolet Lamp	$\geq 75\mu\text{W}/\text{m}^2$	$\geq 75\mu\text{W}/\text{m}^2$

Technical Specifications	Model SW - CJ - 1C	Model SW - CJ - 2C
Lighting Lamp	$\geq 300\text{LUX}$	$\geq 300\text{LUX}$
Control Method	Functions like fan speed adjustment, ultraviolet lamp control, and lighting switch are controlled via touch - sensitive buttons/LCD touch - screen. The operation is intuitive, and the status is displayed in real - time.	Functions like fan speed adjustment, ultraviolet lamp control, and lighting switch are controlled via touch - sensitive buttons/LCD touch - screen. The operation is intuitive, and the status is displayed in real - time.



Extracted Images & Diagrams

Product Appearance: Horizontal flow clean bench (white cabinet with stainless steel worktop, mobile wheels, transparent front shield)

Airflow Diagram:

Front view: Shows fan, primary filter, high - efficiency filter, control panel, caster wheels

Side view: Shows lighting and ventilation, glass, power socket (available), control panel, primary filter, fan, caster wheels