

Vertical flow table

◆ Product Description

The vertical laminar flow workbench is a specialized local purification device designed for high-cleanliness environments. Air is drawn through a top-mounted air supply unit and undergoes dual-stage filtration via primary and high-efficiency filters, generating uniform vertical laminar airflow that fully covers the operational area. This effectively isolates external contaminants, providing a Class 100 clean workspace suitable for applications such as precision assembly, laboratory testing, microelectronics manufacturing, and other high-purity scenarios.



- Two-stage Filtration and Purification
- High-efficiency Clean Air Flow System
- User-friendly Structural Design
- Intelligent Control and Energy Efficiency
- Stable and Reliable Mechanical Performance

◆ Product Structure

- The vertical laminar flow workbench adopts a modular layered structure, covering the top air supply unit (centrifugal fan + air equalizing plate), a two - stage filtration system (primary G4 filter + high - efficiency H14 filter), a multi - functional operating area (stainless steel anti - static workbench surface + adjustable acrylic enclosure), a flexible support frame (made of carbon steel, aluminum alloy, or stainless steel), and an intelligent electrical control module (variable frequency speed regulation + safety protection).

◆ Typical Applications

- Vertical laminar flow workbenches are widely used in various scenarios, including electronic semiconductor manufacturing (such as chip packaging and PCB testing), biomedicine (such as aseptic operations and cell culture), aerospace precision assembly, research laboratories (such as nanomaterial preparation), new energy (such as lithium - battery testing), and optical instrument applications.

◆ Typical Product Data and Physical Properties

Material: 304 stainless steel
 Window material: 5mm tempered glass
 Dimensions: 1800×950×1930×730 MM
 Control switch: Independent boat-shaped switch control
 Rated air volume: Three-speed adjustment
 Equipment power: 220V/50Hz, 500W
 Filter: Aluminum frame H14 high-efficiency filter
 Filtration efficiency: 99.99%

Availability:

Item#	Overall size	Working size
1.4.01.01.0041	1800*950*1930*730MM	1700*800MM

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only

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