Horizontal Laminar Flow Cabinet - Clean Bench - ISO 5 Class 100 - HEPA 99.995%

Model **MSLCB-H1300YSWISS, MSLCB-H1800YSWISS** | Brand **Master Science**







The Master Science Horizontal Laminar Flow Cabinet blows HEPA-filtered air horizontally across the work surface toward the operator, keeping the work zone at ISO 5 (Class 100) cleanliness. It protects products and samples from airborne particles and is used for single-sided work in labs, hospitals, pharmaceutical production, electronics and food processing.

KEY HIGHLIGHTS

- Particle-free work zone
- Longer HEPA life
- Clear status at a glance
- Safe UV use
- Easy to move

AT A GLANCE

1300 / 1800 × 820 × 2000 mm
EXTERNAL DIMENSIONS (W × D × H)

1400 W / 1500 W
RATED POWER (WITH LOAD)

1200 / 1700 × 550 × 570 mm
INTERNAL DIMENSIONS (W × D × H)

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

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Overview

A polyester pre-filter catches large particles first to extend HEPA filter life, and an LCD screen shows airflow velocity, timers and filter running hours.

Key Benefits

Particle-free work zone
the Master Science Horizontal Laminar Flow Cabinet reaches ISO 5.

Longer HEPA life
pre-filter removes coarse dust.

Clear status at a glance
LCD with airflow, timers and filter hours.

Safe UV use
UV lamp interlocked with window and fan.

Easy to move
castors on the base stand.

For work with infectious material, use the Master Science Class II A2 biosafety cabinet.

Technical Specifications

GENERAL

General	Specifications of the Master Science Horizontal Laminar Flow Cabinet (1300 / 1800):
Brand	Master Science
Model Number	MSLCB-H1300YSWISS, MSLCB-H1800YSWISS
SKU	MSLCB-H1300YSWISS, MSLCB-H1800YSWISS
Brand	Master Science
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SKU	MSLCB-H1300YSWISS, MSLCB-H1800YSWISS
Airflow Direction	Horizontal, single-sided operation
Airflow Velocity	0.30 to 0.5 m/s
Cleanliness	ISO 5 (Class 100)
HEPA Filter	≥ 99.995 % at 0.3 µm
Pre-Filter	Polyester fibre
Colony Count	≤ 0.5 CFU / 30 min
Noise	≤ 65 dB(A)
Illumination	700 lx
Windows	5 mm toughened glass, anti-UV
Materials	304 stainless steel work zone; cold-rolled steel body with antimicrobial powder coating
Alarms	High filter pressure, filter replacement, low airflow

DIMENSIONS & WEIGHT

External Dimensions (W × D × H)	1300 / 1800 × 820 × 2000 mm
Internal Dimensions (W × D × H)	1200 / 1700 × 550 × 570 mm
Work Surface Height	750 mm (customisable)

OPTICAL PERFORMANCE

LED Lamp	12 W / 16 W
UV Lamp	30 W / 40 W

POWER

Power Supply	220 V ±10 %, 50/60 Hz
Rated Power (with load)	1400 W / 1500 W

COMMON LABORATORY PROBLEMS AND HOW THIS CABINET HELPS

Common Laboratory Problems and How This Cabinet Helps	How the Master Science Horizontal Laminar Flow Cabinet keeps work clean:
Dust settling on samples	continuous ISO 5 airflow.
Clogged HEPA filters	pre-filter and pressure alarm.
Low airflow going unnoticed	low velocity alarm.
Forgetting UV sterilisation	scheduled UV timing.

The Master Science Horizontal Laminar Flow Cabinet is used in

- **Laboratory sample preparation**
- **Biopharmaceutical and hospital work**
- **LED, optoelectronics and circuit boards**
- **Microelectronics and hard disk assembly**
- **Food processing**

Airflow

- Horizontal HEPA-filtered flow
- 0.30 to 0.5 m/s
- Pa to m/s unit conversion

Control and Alarms

- LCD status display
- Scheduled UV and fan timing
- Pressure, filter and airflow alarms

Construction

- Welded powder-coated steel body
- SUS304 work zone
- 5 mm toughened front and side glass

Standard Accessories Included

- Base stand
- UV lamp
- LED lamp
- Waterproof socket
- HEPA filter
- Pre-filter

Optional Accessories

- Spare HEPA filter and pre-filter
- UV lamp
- Centrifugal fan
- Tubular motor
- Water and air taps