Compact Class II A2 Biosafety Cabinet, 700 mm Wide, ULPA 99.9995% at 0.12 µm, Motorized Sash

Model **MSBSC-IIA2-700SWISS** | Brand **Master Science**





The Master Science Compact Class II A2 Biosafety Cabinet brings full Class II A2 protection into a footprint only 700 mm wide. It is aimed at small labs and crowded rooms that still need a proper safety cabinet for microbiology, cell work or DNA handling.

KEY HIGHLIGHTS

- Fits small rooms
- Hands-free sash
- Programmed routines
- Controlled access

AT A GLANCE

700 × 650 × 1920 mm	600 × 500 × 540 mm
EXTERNAL DIMENSIONS (W×D×H)	INTERNAL DIMENSIONS (W×D×H)

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Overview

Two ULPA filters clean both the downflow and the exhaust to at least 99.9995% at 0.12 µm. The front window rises and lowers at the press of a button, and a 7 inch colour touch screen shows airflow values, an animated airflow diagram and any alarms. Scheduled timers can switch the UV lamp, fan and socket on and off.

Need more working width? See our Class II A2 biosafety cabinet with 1300 mm work zone alongside the Master Science Compact Class II A2 Biosafety Cabinet.

Small labs often skip a safety cabinet because of space. The Master Science Compact Class II A2 Biosafety Cabinet removes that obstacle and also addresses:

Key Benefits

Fits small rooms
At 700 mm wide, the Master Science Compact Class II A2 Biosafety Cabinet fits where a standard cabinet will not.

Hands-free sash
A motorized front window moves with one button.

Programmed routines
Timers switch the UV lamp, fan and socket automatically.

Controlled access
A power-on password keeps untrained users from changing settings.

Technical Specifications

GENERAL

General	Specifications of the Master Science Compact Class II A2 Biosafety Cabinet:
Brand	Master Science
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Model	MSBSC-IIA2-700SWISS
SKU	MSBSC-IIA2-700SWISS
Classification	Class II Type A2
General	Max. opening height: 350 mm
Safe operating opening	200 mm
Inflow air volume	230 m³/h (135 cfm)
Downflow air volume	428 m³/h (252 cfm)
Exhaust	230 m³/h (135 cfm)
Front window	Electric, glass >5 mm, UV-resistant
ULPA filters	2, ≥99.9995% at 0.12 µm
Illumination	≥1000 lux
Sound emission	≤65 dB
Electricity	AC 230 V, 50/60 Hz or 110 V, 60 Hz
Alarms	Abnormal air velocity, window not at safe height, power failure
Motor	AC single fan, adjustable speed
Work area	304 stainless steel
Main body	Cold-rolled steel, antibacterial powder coating
Display	7 inch colour touch screen
Rated power	950 W

DIMENSIONS & WEIGHT	
External dimensions (W×D×H)	700 × 650 × 1920 mm
Internal dimensions (W×D×H)	600 × 500 × 540 mm
Work surface height	770 mm
Net / gross weight	120 / 141 kg
No room for a full-size cabinet	A 700 mm wide body fits tight spaces.
Sash left at unsafe height	An alarm sounds when the window is not at the safe position.

OPTICAL PERFORMANCE	
LED lamp	8 W
UV lamp	15 W

PROBLEMS THE MASTER SCIENCE COMPACT CLASS II A2 BIOSAFETY CABINET SOLVES	
Forgotten UV cycles	Timers and interlocks run UV sterilization automatically.
Paper dust in the air path	The inlet design keeps tissue and paper fragments out.

Applications

The Master Science Compact Class II A2 Biosafety Cabinet suits protective work in: Microbiology and biomedical research Recombinant DNA work Animal experiment sample handling Biological product testing Hospital, pharmacy and medical research labs

Control and display

- 7 inch colour touch screen with airflow diagram
- Sound and light fault alarms
- Power-on password
- Scheduled on/off for UV lamp, fan and socket
- Power-off memory with visual reminder

Safety interlocks

- UV lamp interlocked with front window
- UV lamp interlocked with fan and LED lamp
- Fan interlocked with front window
- Window closure double-triggers UV sterilization

Construction

- One-piece work area, easy to dismantle and clean
- Cabinet separates from base stand
- Anti-paper-dust design at the air inlet
- 304 stainless steel work area

Standard Accessories Included

- LED lamps ×2
- UV lamps ×2
- Base stand
- Foot switch
- Drain valve
- Waterproof sockets ×2

Optional Accessories

- Water and gas tap