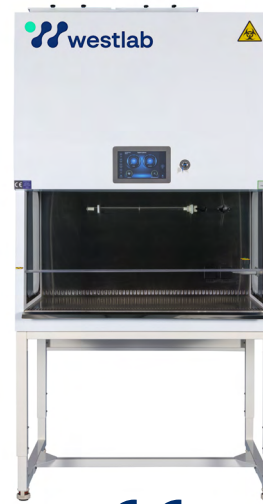


# Biosafety Cabinet, Polypropylene

## Class II A2, 1220mm Unit



Our Biosafety Cabinet Class II A2 provides advanced protection for laboratory staff, the environment and sensitive biological applications.

Manufactured from 8mm welded polypropylene, this cabinet offers exceptional resistance to acids and chemical agents, making it ideal for cleanroom environments. The interior worktop and spill tray are made from 304 stainless steel, providing a durable and easy-to-clean surface. The front sash features 6mm triplex safety glass with an electric lift system, complemented by tempered glass side panels for enhanced visibility during use.

### Airflow & Filtration

Designed as a Class II, Type A2 unit, the cabinet maintains a 70% recirculation and 30% exhaust airflow pattern to ensure maximum containment and protection. It features dual ULPA U15 filters with a 99.9995% efficiency at 0.1µm, maintaining ISO 5/Class 100 cleanliness levels compliant with ISO 14644-1 and US Federal Standard 209E.

### Monitoring & Control

The integrated IPMS (Integrated Particle Monitoring System) represents a world-first in real-time contamination detection, providing ISO 5 clean verification and alarm alerts.

A 10.1" colour touchscreen microprocessor control system allows intuitive operation, displaying time, date, temperature, humidity, and real-time filter status. The system supports multilingual settings and both metric and imperial units.

### Lighting & Safety Systems

This cabinet includes energy-efficient LED illumination (1000 lux) and a germicidal waterproof UV light (254nm) with an automatic interlock for safety.

Alarms for inflow, downflow, sash position, and filter performance provide additional user protection, alongside a red-light critical chamber alarm and service reminder functions.

### Ergonomics

Designed for operator comfort, the unit includes an adjustable stand, armrest, and ergonomic sash height. It produces less than 60 dB of noise and includes two universal sockets and two utility taps for convenience.

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## Compliance

The cabinet meets CE and EN 12469 certifications and is backed by a 24-month warranty.

## Product Features

- **Durable Polypropylene Construction:** Chemical-resistant 8mm welded body enhances longevity and cleanroom compatibility.
- **Integrated Particle Monitoring System (IPMS):** Provides real-time contamination detection and ISO 5 clean verification for superior process safety.
- **High-Efficiency ULPA Filtration:** Filters with 99.9995% efficiency at 0.1µm ensure maximum operator, product, and environmental protection.
- **Microprocessor Control System:** Intuitive 10.1" colour touchscreen enables easy monitoring and control of operational parameters.
- **Quiet ECM Fan Technology:** Maintains stable airflow with automatic VAV compensation and low noise operation.
- **Advanced Alarm Suite:** Includes inflow, downflow, sash, and filter alarms for continuous safety assurance.
- **Germicidal UV & LED Lighting:** Provides bright 1000 lux illumination with a safe, waterproof 254nm UV disinfection system.
- **Ergonomic User Design:** Adjustable stand, armrest, and electric sash lift improve comfort during extended procedures.

## Product Specifications

Brand	WESTLAB
Type	Biosafety Cabinet Class II A2
IPMS System	An Integrated Particle Monitoring System with a contamination alarm for ISO 5 clean verification (a world-first design).
Control System	A microprocessor control system with a 10.1" colour touchscreen display for real-time monitoring and parameter adjustment.
Illumination	1000 lux eco-friendly LED lighting with a germicidal waterproof UV light 254nm system and a safety interlock mechanism.
Front Sash Opening	480mm Maximum Opening

## Composition Information

Hood	8mm Welded Polypropylene (PP) In White
Worktop / Work Surface	304 Stainless Steel
Side Walls	Tempered Glass
Spill Tray	304 Stainless Steel

## Performance Information

Downflow Velocity	0.33 m/s, 66 fpm
Inflow Velocity	0.5 m/s, 100 fpm
Airflow Pattern	70% Circulation, 30% Exhaust
Power Supply	115/230V, 50/60 Hz, Single Phase
Noise Level	< 60 dB (Tested 200mm from the workstation and 1.2 metres above the ground)
ECM Fan	High efficiency quiet ECM fan with VAV auto filter clogging compensation.
Filters	2 x ULPA U15 Filters – Typical Efficiency of 99.9995% @ 0.1µm

## Safety Information

Inflow & Downflow Alarms	Yes
Sash Position Alarm	Yes
Critical Chamber Red Light Alarm	Yes
Filter Alarm	Yes
Service Reminder Alarm	Yes

## Compliance & Quality

Cleanliness Level	Class 100/ISO 5 according to ISO 14644-1 and USA Federal Standard 209E.
Certifications	CE Certified, EN 12469
Country of Origin	United States of America (USA)
Warranty Period	24 Months (See Warranty Statement for more information)

## Physical Data

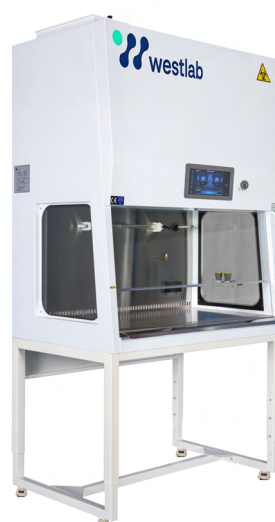
Workspace Dimensions	1135mm W x 600mm D x 640mm H
External Dimensions	1220mm W x 800mm D x 1500mm H

## Supplied With

Adjustable Stand	Supplied with the cabinet – it has an adjustable height of 700/800/900mm.
Arm Rest	Yes
Universal Socket	Yes – Supplied with two.
Tap	Yes – Supplied with two.

## Ordering Information

SKU	Description
665-616	Biosafety Cabinet Class II A2, IPMS, PP, 1220 W x 800 D x 1550mm H



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