

Polypropylene Biosafety Cabinet Class II B2



TopAir's Class II B2 Biological Safety cabinet, featuring 100% exhaust, protects lab staff, the environment and sensitive work processes in which biological agents are applied.

The cabinet offers a high level of contamination protection, based on two advanced ULPA H15 filters operating at an efficiency of @99.9995% @ 0.1 um.

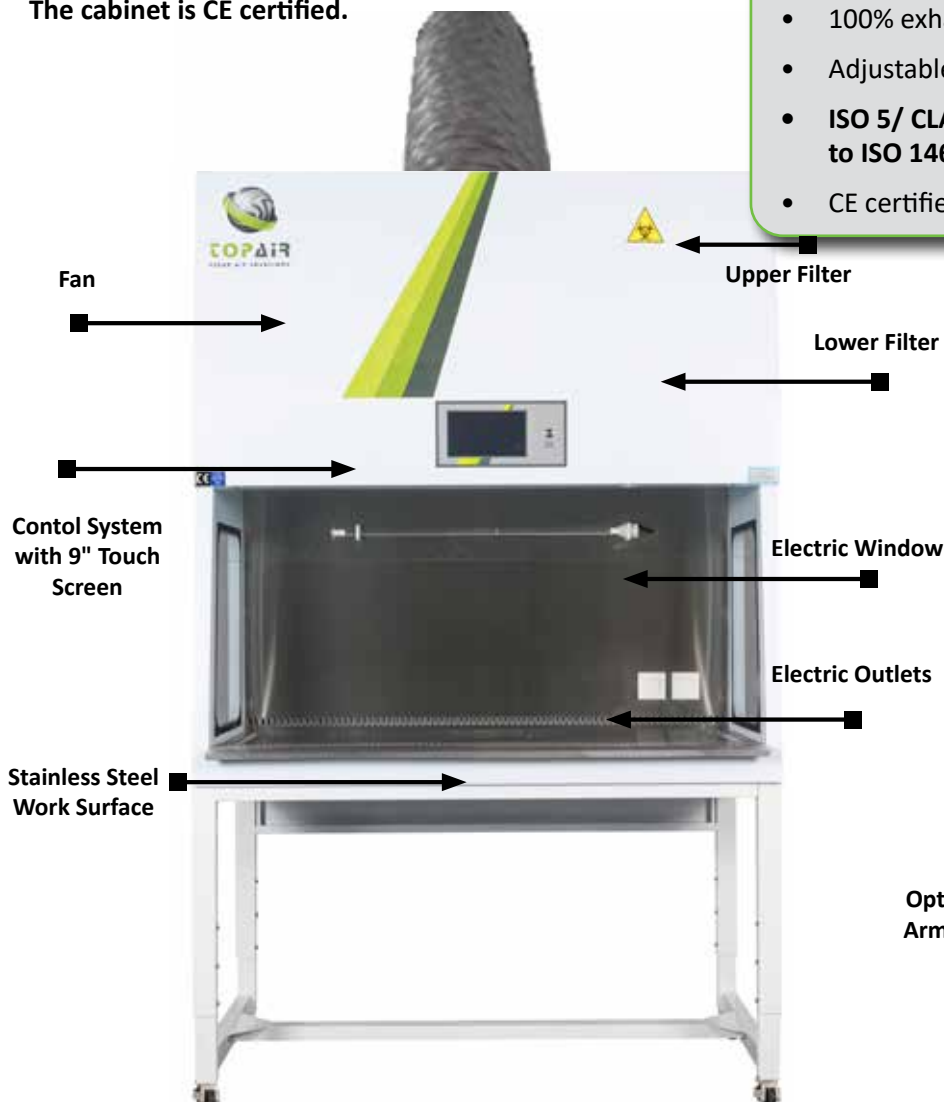
The cabinet is made of robust, easily-cleaned anti-corrosive polypropylene with high resistance to acids and chemicals, which is optimal for clean rooms.

The cabinet is equipped with a smart, safe and elegant touch-screen control system that protects the operator and provides alerts for periodic maintenance actions and devices' replacement.

There is a dual separate airflow system with inflow and downflow hot wire sensors, with each of them delivering air velocity value and alarms.

The cabinet is CE certified.

- Polypropylene structure, high chemical resistance
- Tempered glass side walls, 304 stainless steel work surface & spill tray
- 2xULPA H15 filters -efficiency @99.9995% @ 0.1 um
- High efficiency quiet EC fan, 2 integrated taps and 2 electrical outlets
- Smart 9" color touch screen control system
- Technician calibration screen
- Maintenance & technical faults alarms
- Timers and counters management screen
- Germicidal water proof UV light system and safety interlock mechanism
- 6 mm triplex layer safety front glass window with electrical motion system
- System alarm and downflow fan shutdown upon inflow failure
- Economical LED light
- 100% exhaust
- Adjustable stand, arm rest
- **ISO 5/ CLASS 100 cleanliness level according to ISO 14644-1 & USA Standard 209E**
- CE certified



All components have low energy consumption, LED lighting and an EC fan motor. The system also has a programmable "green" night mode, that shuts down all unnecessary electricity consumption and sets vital components at the required safety level.



Models

Spec/ Model	BO-090-PP-B	BO-120-PP-B	BO-150-PP-B	BO-180-PP-B
Outer Dimensions W x D x H	915 x 800 x 1500 mm 36 x 31.5 x 59"	1220 x 800 x 1500 mm 48 x 31.5 x 59"	1525 x 800 x 1500 mm 60 x 31.5 x 59"	1830 x 800 x 1500 mm 72 x 31.5 x 59"
Workspace (W x D x H)	830 x 600 x 640 mm 32.6 x 23.6 x 25.2"	1135 x 600 x 640 mm 44.7 x 23.6 x 25.2"	1440 x 600 x 640 mm 57 x 23.6 x 25.2"	1715 x 600 x 640 mm 67.5 x 23.6 x 25.2"
Front Sash Max Opening	450 mm / 17.7"			
Production/ Test Standard	CE / In accordance with EN12469			
Downflow Velocity	0.33 m/s, 60 FPM			
Inflow velocity	0.5 m/s, 100 fpm			
Airflow pattern	100% exhaust			
Cleanliness level	ISO 5/ CLASS 100 cleanliness level according to ISO 14644-1 & USA Standard 209E			
Hood Material	Welded white polypropylene structure. 304 stainless steel Interior. Options for windowless sides or a 316 stainless steel structure			
Noise (Tested 20 cm from the work table, 1.2m above ground)	<52dB	<53dB	<57dB	<57dB
Power Supply	115 / 230V, 50/60 Hz, Single phase			
Illumination	800 LUX, Eco-friendly LED lighting			
Filters	ULPA H15 Efficiency @99.9995% @ 0.1 um			

* External fan and ducts are available upon request (not included)

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