

# Metal-Free Polypropylene Biosafety Cabinet Class II A2



TopAir's Full-Polypropylene Biosafety Cabinet Class II A2 protects lab staff, the environment and sensitive work processes in which biological agents are applied.

The product offers a high level of contamination protection, based on two advanced ULPA filters operating at a typical efficiency of @99.9995% @ 0.1 um with an airflow pattern of 70% downflow and 30% exhaust.

The cabinet structure is 100% polypropylene, including all components, both external and internal. The robust, easily-cleaned anti-corrosive polypropylene offers 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.

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.

**The cabinet is CE certified, and complies with EN 12469.**

- 100% Polypropylene structure - high chemical resistance
- Tempered glass side walls
- Two ULPA H15 filters @99.9995% @ 0.1 um
- High efficiency quiet EC fan, 2 integrated taps and 2 electrical outlets
- Smart 9" color touch screen control system
- 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
- Programmable economical night mode
- Airflow Pattern: 70% circulation, 30% exhaust
- Economical LED light, adjustable stand
- **ISO 5/CLASS 100 cleanliness level according to ISO 14644-1 & USA Federal Standard 209E**
- **CE certified, complies with EN 12469**



# Models

Spec/ Model	BO-090-MF	BO-120-MF	BO-150-MF	BO-180-MF
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)	835 x 600 x 630 mm 32.8 x 23.6 x 24.8"	1135 x 600 x 630 mm 44.7 x 23.6 x 24.8"	1440 x 600 x 630 mm 57 x 23.6 x 24.8"	1715 x 600 x 630 mm 67.5 x 23.6 x 24.8"
Front Sash Max Opening	480 mm / 18.9"			
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	70% circulation, 30% exhaust			
Cleanliness level	Class 100/ISO 5			
Hood Material	Welded white polypropylene structure (internal and external)			
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			