



Polypropylene Biosafety Cabinet Class II B2 With Integrated IPMS – particle monitoring system

TopAir's Class II B2 Biological Safety Cabinet 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 U15 filters 99.9995% @ 0.1um.

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

Built in IPMS system -TopAir's world's first Particle Monitoring system with a contamination alarm for ISO 5 clean verification.

Structure:

- 8 mm welded Polypropylene with high chemical resistance
- stainless steel 304 worktop, (option for 316)
- 6 mm triplex layer safety front glass window with electrical motion system
- Side windows for better visibility



- Microprocessor control system with 10.1" Color touchscreen display.
- Class 2 B2: Airflow Pattern: 100% exhaust
- Two ULPA U15 filters 99.9995% @ 0.1 um
- High efficiency quiet ECM fan with VAV auto filters clogging compensation.
- Inflow & Downflow alarms, sash position alarm, critical chamber red light alarm, annual service alarm.
- Real time filter status gage display
- Germicidal waterproof UV light 254nm system and safety interlock mechanism.
- LED light 1000 lux
- 2 x universal sockets
- 2 x Taps
- Time & date Temperature and Humidity display
- Multi language control. Metric/Imperial system
- Adjustable stand, arm rest
- **ISO 5/CLASS 100 cleanliness level according to ISO 14644-1 & USA Federal Standard 209E**
- **CE certified, EN 12469 (BO-120-PP)**
- **Class 2 B2 cabinet requires an exhaust connection to a ducting system (not included with the unit)**



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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)	835 x 600 x 640 mm 32.8 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	480 mm / 18.9"			
Certifications	CE / In Accordance with EN12469			
Downflow Velocity	0.33 m/s, 66 fpm			
Inflow velocity	0.5 m/s, 100 fpm			
Airflow pattern	CLASS 2 B2 : 100% exhaust			
Cleanliness level	Class 100/ISO 5			
Hood Material	Welded white polypropylene structure. 304 stainless steel Interior. Options for windowless sides or a 316 stainless steel structure			
Adjustable Stand Height Range	70/80/90 cm 27/31/36"			
Noise Level (Tested 20cm/8" from the worktable, 1.2m/48" above ground) Noise	<56dB	<60dB	<63dB	<63dB
Power Supply	115 / 230V, 50/60 Hz, Single phase			
Illumination	1000 LUX, Eco-friendly LED lighting			
Filters	ULPA U15 Efficiency 99.9995% @ 0.1 um			

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Optional Accessories

MODEL	ACCESSORY
BO-FAN-SET	Set Includes: centrifugal fan, 10-meter flex pipe Dia25/10" and frequency inverter