



# Polypropylene EN Biosafety Cabinet Class II Type A2 with Integrated Particle Monitoring Systems (IPMS)

TopAir's Class II, Type A2 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 99.9995% @ 0.1  $\mu$ m filters.

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

**Built in IPMS system:** TopAir provides the world's first Integrated Particle Monitoring system that includes a contamination alarm for ISO 5 clean verification.

### Structure:

- 8 mm welded polypropylene with high chemical resistance
- Stainless Steel 304 worktop (SS316 optional)
- Front window of 6 mm triplex safety glass with electric lift system
- Side windows for better visibility



- Microprocessor control system with 10.1" color touchscreen display
- Class II, Type A2 Airflow Pattern: 70% circulation, 30% exhaust
- Two ULPA U15 filters 99.9995% @ 0.1  $\mu$ m
- High efficiency quiet ECM fan with VAV auto filter clogging compensation
- Inflow and downflow alarms, sash position alarm, critical chamber red light alarm, service reminder
- Real time filter gauge status display
- Germicidal waterproof UV light (254 nm) system and safety interlock mechanism
- LED light (1000 lux)
- 2 x universal sockets
- 2 x taps
- Time and date display
- Temperature and humidity display and alarm
- Multi language control, metric/imperial units
- Adjustable stand and arm rest
- ISO 5/CLASS 100 cleanliness level ISO 14644-1 and US Federal Standard 209E
- CE certified, EN 12469 (BO-120-PP)



# Polypropylene EN Biosafety Cabinet Class II, Type A2 with Integrated Particle Monitoring System (IPMS)

Spec/ Model	BO-090-PP	BO-120-PP	BO-150-PP	BO-180-PP
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 / EN 12469 *			
Downflow Velocity	0.33 m/s, 66 fpm			
Inflow velocity	0.5 m/s, 100 fpm			
Airflow pattern	CLASS II, Type A2: 70% circulation, 30% 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 / 230 V, 50/60 Hz, Single phase			
Illumination	1000 LUX, Eco-friendly LED lighting			
Filters	ULPA H15 Efficiency 99.9995% @ 0.1 µm			

\* For model BO-120-PP (other models comply with EN 12469)