



**TOPAIR**  
CLEAN AIR SOLUTIONS

# BIOLOGICAL SAFETY CABINETS



TOPAIR



**IPMS**  
Integrated Particle Monitoring Systems



# 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 µm 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 µm
- 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
- 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
<b>Outer Dimensions W x D x H</b>	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"
<b>Workspace (W x D x H)</b>	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"
<b>Front Sash Max Opening</b>	480 mm / 18.9"			
<b>Certifications</b>	CE / EN 12469 *			
<b>Downflow Velocity</b>	0.33 m/s, 66 fpm			
<b>Inflow velocity</b>	0.5 m/s, 100 fpm			
<b>Airflow pattern</b>	CLASS II, Type A2: 70% circulation, 30% exhaust			
<b>Cleanliness level</b>	Class 100/ISO 5			
<b>Hood Material</b>	Welded white polypropylene structure. 304 stainless steel interior. Options for windowless sides or a 316 stainless steel structure			
<b>Adjustable Stand Height Range</b>	70/80/90 cm (27/31/36")			
<b>Noise Level (Tested 20cm/8" from the worktable, 1.2m/48" above ground) Noise</b>	<56dB	<60dB	<63dB	<63dB
<b>Power Supply</b>	115 / 230 V, 50/60 Hz, Single phase			
<b>Illumination</b>	1000 LUX, Eco-friendly LED lighting			
<b>Filters</b>	ULPA H15 Efficiency 99.9995% @ 0.1 µm			

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



# Polypropylene Biosafety Cabinet Class II, Type B2 with Integrated Particle Monitoring System (IPMS)

TopAir's Class II, Type 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 99.9995% @ 0.1 µm 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 B2 Airflow Pattern: 100% exhaust
- Two ULPA U15 filters 99.9995% @ 0.1 µm
- 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 date, temperature, humidity display
- 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)
- Class II, Type B2 cabinet requires an exhaust connection to a ducting system (not included)



# Polypropylene Biosafety Cabinet Class II, Type B2 with Integrated Particle Monitoring System (IPMS)

Spec/ Model	BO-090-PP-B	BO-120-PP-B	BO-150-PP-B	BO-180-PP-B
<b>Outer Dimensions W x D x H</b>	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"
<b>Workspace (W x D x H)</b>	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"
<b>Front Sash Max Opening</b>	480 mm / 18.9"			
<b>Certifications</b>	CE / In Accordance with EN12469			
<b>Downflow Velocity</b>	0.33 m/s, 66 fpm			
<b>Inflow velocity</b>	0.5 m/s, 100 fpm			
<b>Airflow pattern</b>	CLASS II, Type B2: 100% exhaust			
<b>Cleanliness level</b>	Class 100/ISO 5			
<b>Hood Material</b>	Welded white polypropylene structure. 304 stainless steel interior. Options for windowless sides or a 316 stainless steel structure			
<b>Adjustable Stand Height Range</b>	70/80/90 cm (27/31/36")			
<b>Noise Level (Tested 20cm/8" from the worktable, 1.2m/48" above ground) Noise</b>	<56dB	<60dB	<63dB	<63dB
<b>Power Supply</b>	115 / 230 V, 50/60 Hz, Single phase			
<b>Illumination</b>	1000 LUX, Eco-friendly LED lighting			
<b>Filters</b>	ULPA U15 Efficiency 99.9995% @ 0.1 µm			

- Class II/B2 cabinet requires an exhaust connection to a ducting system (not included)

## Optional Accessories

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



# Biosafety Cabinet Class II, Type A2 NSF-49 with Integrated Particle Monitoring System (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  $\mu\text{m}$  filters and features an airflow pattern of 70% downflow and 30% exhaust.

The cabinet is made of robust, epoxy coated metal structure with SS304 internals.

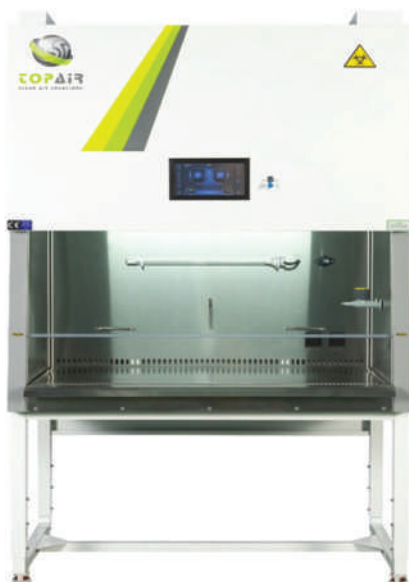
The cabinet is operated using an elegant 10.1" intuitive touch screen control system that provides all of the device's status information and alerts for unsafe critical conditions and periodic maintenance reminders.

**Built in IPMS system:** TopAir provides the world's first Integrated Particle Monitoring system that includes a contamination alarm for ISO 5 clean verification. The cabinet is CE certified and complies with NSF-49.

### Structure:

- Metal is epoxy coated
- Internal lining is SS304, including the one piece worktop
- 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  $\mu\text{m}$
- High efficiency quiet ECM fan with VAV auto filter clogging compensation
- Inflow and downflow alarms, sash position alarm, critical chamber red light alarm, filter alarm, service reminder alarm
- 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, date, temperature, and humidity display
- 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, complies with NSF-49



## NSF-49 Biosafety Cabinet Class II, Type A2

Spec/ Model	BO-090-NSF	BO-120-NSF	BO-150-NSF	BO-180-NSF
<b>Outer Dimensions W x D x H</b>	915 x 800 x 1450 mm 36 * 31.5 * 57"	1220 x 800 x 1450 mm 48 * 31.5 * 57"	1525 x 800 x 1450 mm 60 * 31.5 * 57"	1830 x 800 x 1450 mm 72 * 31.5 * 57"
<b>Workspace (W x D x H)</b>	830 x 620 x 650 mm 32.6*24.4*25.6	1135 x 620 x 650 mm 44.7 * 31.5 * 57"	1440 x 620 x 650 mm 56.7 * 31.5 * 57"	1745 x 620 x 650 mm 68.5 * 31.5 * 57"
<b>Front Sash</b>	Clear visibility 550 mm / 21.7", max open 17.7" (450 mm)- working height 8" (200mm)			
<b>Certifications</b>	CE / In Accordance with NSF-49			
<b>Control system</b>	Microprocessor controlled with 10.1 full touch screen, air velocity monitoring, alarm, sash alarm, UV control, lights control, electric outlets control, multilingual, metric, and imperial. IPMS monitoring Optional			
<b>Downflow Velocity</b>	0.33 m/s, 66 fpm			
<b>Inflow velocity</b>	0.5 m/s, 100 fpm			
<b>Airflow pattern</b>	70% circulation, 30% exhaust			
<b>Cleanliness level</b>	Class 100/ISO 5 with IPMS particle monitoring and alarm			
<b>Hood Material</b>	Oven-treated epoxy coated 16-gauge chemical-resistant, (1.5 mm) CRCA Galvanized metal sheet epoxy-coated metal 304 stainless steel interior.			
<b>Adjustable Stand Height Range</b>	70/80/90 cm, (27.5/ 31.4/ 35.4")			
<b>Power Supply</b>	115 / 230 V, 50/60 Hz, Single phase			
<b>Noise Level (Tested 20 cm/8" from worktable, 1.2m/48" above ground)</b>	<56dB	<62dB	<63dB	<63dB
<b>Illumination</b>	1000 LUX, Eco-friendly LED lighting, Germicidal UV light 254 nm			
<b>Filters</b>	ULPA U15 Efficiency 99.9995% @ 0.1 µm			



# NSF Biosafety Cabinet Class II, Type B2 with Integrated Particle Monitoring System (IPMS)

TopAir's Class II, Type 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 99.9995% @ 0.1  $\mu\text{m}$  filters with an airflow pattern of 100% exhaust.

The cabinet is made of robust, epoxy coated metal structure with SS304 internals (optionally SS316).

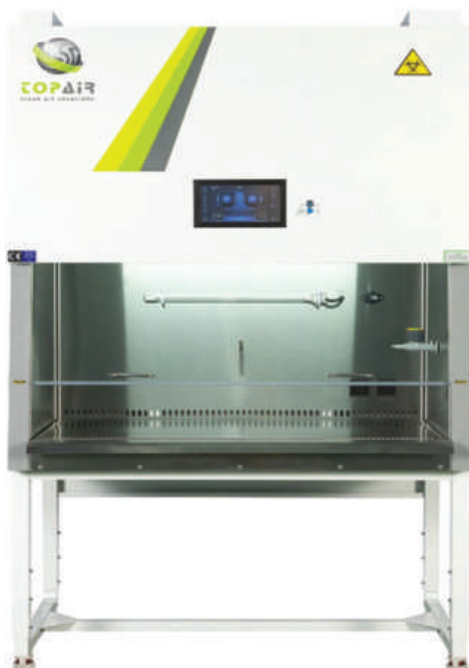
The cabinet is operated using an elegant 10.1" intuitive touch screen control system that provides all of the device's status information and alerts for unsafe critical conditions and periodic maintenance reminders.

**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:

- Metal is epoxy coated
- Internal lining is SS304, including the one piece retractable worktop with spill tray
- Front window of 6 mm triplex safety glass with electric lift system

- Microprocessor control system with 10.1" color touchscreen display
- Class II, Type B2 Airflow Pattern: 100% exhaust
- High efficiency quiet ECM fan with VAV auto filter clogging compensation
- Inflow and downflow alarms, sash position alarm, critical chamber red light alarm, filter 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, date, temperature, humidity display
- 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, complies with NSF-49
- Class II, Type B2 cabinet requires an exhaust connection to a ducting system (not included)





## NSF-49 Class II, Type B2 Biosafety Cabinet

Spec/ Model	BO-090-NSF-B	BO-120-NSF-B	BO-150-NSF-B	BO-180-NSF-B
<b>Outer Dimensions W x D x H</b>	915 x 800 x 1450 mm 36 * 31.5 * 57"	1220 x 800 x 1450 mm 48 * 31.5 * 57"	1525 x 800 x 1450 mm 60 * 31.5 * 57"	1830 x 800 x 1450 mm 72 * 31.5 * 57"
<b>Workspace (W x D x H)</b>	830 x 620 x 650 mm 32.6*24.4*25.6	1135 x 620 x 650 mm 44.7 * 31.5 * 57"	1440 x 620 x 650 mm 56.7 * 31.5 * 57"	1745 x 620 x 650 mm 68.5 * 31.5 * 57"
<b>Front Sash</b>	Clear visibility 550 mm / 21.7", max open 17.7" (450 mm) , working height 8" (200mm)			
<b>Certifications</b>	CE / In Accordance with NSF-49			
<b>Control system</b>	Microprocessor controlled with 10.1 full touch screen, air velocity monitoring, alarm, sash alarm, UV control, lights control, electric outlets control, multilingual, metric, and imperial. IPMS monitoring Optional			
<b>Downflow Velocity</b>	0.33 m/s, 66 fpm			
<b>Inflow velocity</b>	0.5 m/s, 100 fpm			
<b>Airflow pattern</b>	100% Exhaust			
<b>Cleanliness level</b>	Class 100/ISO 5 with IPMS particle monitoring and alarm			
<b>Hood Material</b>	Oven-treated epoxy coated 16-gauge chemical-resistant, (1.5 mm) CRCA Galvanized metal sheet epoxy-coated metal 304 stainless steel interior.			
<b>Adjustable Stand Height Range</b>	70/80/90 cm, (27.5/31.4/35.4")			
<b>Power Supply</b>	115 / 230 V, 50/60 Hz, Single phase			
<b>Noise Level (Tested 20 cm/8" from work table, 1.2m/48" above ground)</b>	<56dB	<60dB	<63dB	<63dB
<b>Illumination</b>	1000 LUX, Eco-friendly LED lighting, Germicidal UV light 254 nm			
<b>Filters</b>	ULPA U15 Efficiency @99.9995% @ 0.1 µm			

- Class 2/B2 cabinet requires an exhaust connection to a ducting system (not included)

### Optional Accessories

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



# EN Biosafety Class II, Type A2 - Metal Version

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 HEPA H14 99.9995% @ 0.3  $\mu\text{m}$  filters and features an airflow pattern of 70% downflow and 30% exhaust.

The cabinet is made of robust, epoxy coated metal structure with SS304 internals.

The cabinet is operated using an elegant 10.1" intuitive touch screen control system that provides all of the device's status information and alerts for unsafe critical conditions and periodic maintenance reminders.

The cabinet is CE certified and complies with EN 12469.

### Structure:

- Metal is epoxy coated
- Internal lining is SS304, including the retractable one piece worktop with spill tray
- Front window of 6 mm triplex safety glass with manual counterweight system

- Microprocessor control system with 10.1" color touchscreen display
- Class II, Type A2 Airflow Pattern: 70% circulation, 30% exhaust
- High efficiency quiet ECM fan with VAV auto filter clogging compensation
- Inflow and downflow alarms, sash position alarm, critical chamber red light alarm, filter alarm, service reminder alarm
- 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
- Time, date, temperature, and humidity display
- 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, complies with EN 12469
- Optional EPMS System: TopAir provides the world's first Integrated Particle Monitoring system that includes a contamination alarm for ISO 5 clean verification.



## EN Biosafety Cabinet Class II, Type A2

Spec/ Model	BO-090-ME	BO-120-ME	BO-150-ME	BO-180-ME
<b>Outer Dimensions W x D x H</b>	915 x 800 x 1450 mm 36 * 31.5 * 57"	1220 x 800 x 1450 mm 48 * 31.5 * 57"	1525 x 800 x 1450 mm 60 * 31.5 * 57"	1830 x 800 x 1450 mm 72 * 31.5 * 57"
<b>Workspace (W x D x H)</b>	830 x 620 x 650 mm 32.6*24.4*25.6	1135 x 620 x 650 mm 44.7 * 31.5 * 57"	1440 x 620 x 650 mm 56.7 * 31.5 * 57"	1745 x 620 x 650 mm 68.5 * 31.5 * 57"
<b>Front Sash</b>	Clear visibility 550 mm / 21.7", max open 17.7" (450 mm)- working height 8" (200mm)			
<b>Certifications</b>	CE / In Accordance with EN 12469			
<b>Control system</b>	Microprocessor controlled with 10.1 full touch screen, air velocity monitoring, alarm, sash alarm, UV control, lights control, electric outlets control, multilingual, metric, and imperial. IPMS monitoring Optional			
<b>Downflow Velocity</b>	0.33 m/s, 66 fpm			
<b>Inflow velocity</b>	0.5 m/s, 100 fpm			
<b>Airflow pattern</b>	70% circulation, 30% exhaust			
<b>Cleanliness level</b>	Class 100/ISO 5			
<b>Hood Material</b>	Oven-treated epoxy coated 16-gauge chemical-resistant, (1.5 mm) CRCA Galvanized metal sheet epoxy-coated metal 304 stainless steel interior.			
<b>Adjustable Stand Height Range</b>	70/80/90 cm, 27.5/31.4/35.4"			
<b>Power Supply</b>	115 / 230 V, 50/60 Hz, Single phase			
<b>Noise Level (Tested 20 cm/8" from worktable, 1.2m/48" above ground)</b>	<56dB	<62dB	<63dB	<63dB
<b>Illumination</b>	1000 LUX, Eco-friendly LED lighting, Germicidal UV light 254 nm			
<b>Filters</b>	HEPA H14 Efficiency 99.9995%@ 0.3 µm			



## EN Biosafety Cabinet Class II, Type B2 - Metal Ve

TopAir's Class II, Type 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 HEPA H14 99.9995% @ 0.3  $\mu\text{m}$  filters with an airflow pattern of 100% exhaust.

The cabinet is made of robust, epoxy coated metal structure with SS304 internals (optionally SS316).

The cabinet is operated using an elegant 10.1" intuitive touch screen control system that provides all of the device's status information and alerts for unsafe critical conditions and periodic maintenance reminders.

### Structure:

- Metal is epoxy coated
- Internal lining is SS304, including the one piece retractable worktop with spill tray
- Front window of 6 mm triplex safety glass with manual counterweight system



- Microprocessor control system with 10.1" color touchscreen display
- Class II, Type B2 Airflow Pattern: 100% exhaust
- High efficiency quiet ECM fan with VAV auto filter clogging compensation
- Inflow and downflow alarms, sash position alarm, critical chamber red light alarm, filter 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
- Time, date, temperature, humidity display
- 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, complies with EN12469
- Class II, Type B2 cabinet requires an exhaust connection to a ducting system (not included)
- Optional EPMS System: TopAir provides the world's first Integrated Particle Monitoring system that includes a contamination alarm for ISO 5 clean verification.



## EN Biosafety Cabinet Class II, Type B2 - Metal Version

Spec/ Model	BO-090-ME-B	BO-120-ME-B	BO-150-ME-B	BO-180-ME-B
<b>Outer Dimensions W x D x H</b>	915 x 800 x 1450 mm 36 * 31.5 * 57"	1220 x 800 x 1450 mm 48 * 31.5 * 57"	1525 x 800 x 1450 mm 60 * 31.5 * 57"	1830 x 800 x 1450 mm 72 * 31.5 * 57"
<b>Workspace (W x D x H)</b>	830 x 620 x 650 mm 32.6*24.4*25.6	1135 x 620 x 650 mm 44.7 * 31.5 * 57"	1440 x 620 x 650 mm 56.7 * 31.5 * 57"	1745 x 620 x 650 mm 68.5 * 31.5 * 57"
<b>Front Sash</b>	Clear visibility 550 mm / 21.7", max open 17.7" (450 mm)- working height 8" (200mm)			
<b>Certifications</b>	CE / In Accordance with EN 12469			
<b>Control system</b>	Microprocessor controlled with 10.1 full touch screen, air velocity monitoring, alarm, sash alarm, UV control, lights control, electric outlets control, multilingual, metric, and imperial. IPMS monitoring Optional			
<b>Downflow Velocity</b>	0.33 m/s, 66 fpm			
<b>Inflow velocity</b>	0.5 m/s, 100 fpm			
<b>Airflow pattern</b>	100% exhaust			
<b>Cleanliness level</b>	Class 100/ISO 5			
<b>Hood Material</b>	Oven-treated epoxy coated 16-gauge chemical-resistant, (1.5 mm) CRCA galvanized metal sheet epoxy-coated metal 304 stainless steel interior.			
<b>Adjustable Stand Height Range</b>	70/80/90 cm, (27.5/31.4/35.4")			
<b>Power Supply</b>	115 / 230 V, 50/60 Hz, Single phase			
<b>Noise Level (Tested 20 cm/8" from worktable, 1.2m/48" above ground)</b>	<56dB	<62dB	<63dB	<63dB
<b>Illumination</b>	1000 LUX, Eco-friendly LED lighting, Germicidal UV light 254 nm			
<b>Filters</b>	HEPA H14 Efficiency 99.9995% @ 0.3 µm			

- Class 2/B2 cabinet requires an exhaust connection to a ducting system (not included )

### Optional Accessories

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



## Ecoline Biosafety Cabinet Class II, Type A2

TopAir's Ecoline Biosafety Cabinet protects lab staff, the environment and sensitive work processes in which biological agents are applied.

A compact, especially cost-effective benchtop unit, the cabinet offers a high level of contamination protection, based on two advanced HEPA H14 99.9995% @ 0.3  $\mu\text{m}$  filters and features an airflow pattern of 70% downflow and 30% exhaust.

The cabinet is made of robust, easily cleaned anti-corrosive polypropylene with high resistance to acids and other chemicals.

### Structure:

- 8 mm polypropylene with high chemical resistance
- SS304 worktop (SS316 optional)
- Front window of 6 mm triplex safety glass with electrical lift system

- Microprocessor control system with 7" color touchscreen display
- Class II, Type A2 Airflow Pattern: 70% circulation, 30% exhaust
- Germicidal waterproof UV light (254 nm) system and safety interlock mechanism
- LED light (1000 lux)
- 2 x HEPA H14 filters with 99.9995% efficiency at 0.3  $\mu\text{m}$ .
- 2 x electrical outlets
- High efficiency and quiet EC fan
- CE certified



## Ecoline Biosafety Cabinet Class II, Type A2

<b>Spec/Model</b>	<b>ECO-BO-080-PP</b>
<b>Outer Dimensions W x D x H</b>	800 x 680 x 1200mm 31.5 x 26.7 x 48"
<b>Workspace (W x D x H)</b>	720 x 500 x 570mm 28.3 x 19.7 x 22.4"
<b>Front Sash Max Opening</b>	400 mm / 15.7"
<b>Filter Type</b>	HEPA H14 Efficiency 99.9995% @0.3 µm
<b>Downflow Velocity</b>	0.26 m/s, 52 fpm
<b>Inflow velocity</b>	0.44 m/s, 88 fpm
<b>Airflow pattern</b>	70% circulation, 30% exhaust
<b>Cleanliness level</b>	Class 100/ISO 5
<b>Noise (Tested 20 cm from the work table, 1.2m above ground)</b>	<62dB
<b>Power Supply</b>	115/230V, 50/60 Hz, Single phase

### Optional Accessories

<b>MODEL</b>	<b>Description</b>
ECO-BO-080-ST	Metal stand with casters

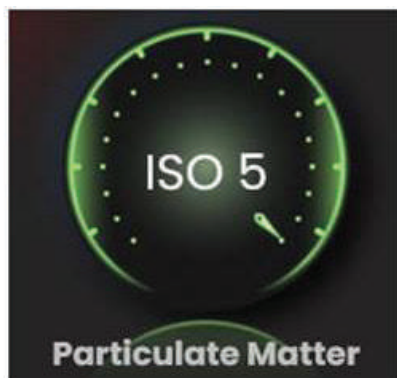


## IPMS - Integrated Particle Monitoring System

The IPMS measures particle concentration in real time, monitoring the cleanliness level 24/7. The clear display indicates whether the cleanliness level complies with ISO 5 and alerts when the workspace has been contaminated or needs to be serviced.

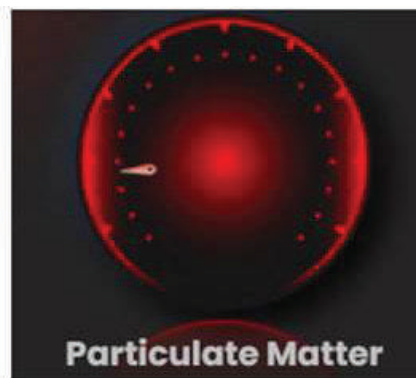
The IPMS smart algorithm processes data provided by an advanced built-in sensor and displays a reliable outcome. IPMS provides critical real-time information on the air quality within the workspace, prevents cross contamination, and ensures constant compliance with relevant standards.

The IPMS is an unprecedented solution that can transform the future of biological processes in the industry.



### GREEN LIGHT

Chamber environment is equal or better than the IOS-5 requirement within the workspace



### RED LIGHT

Chamber environment is lower than the IOS-5 requirement within the workspace



## More from TopAir Systems

Ductless Fume Hood



Weighing Station



Polypropylene Fume Hood



Walk-In Polypropylene Fume Hood



Vertical/Horizontal  
Laminar Clean Bench



PCR cabinet



Polypropylene casework



Storage Cabinet





# We Specialize In Customization

Polypro Fume Hood with Safety Cabinet



Metal Walk-in



Special Fume Hood



Down Flow



Ductless Side Door



Special Bio Safety



## Forensic Line

Cyanoacrylate Fuming Chamber w/water filtration



Cyanoacrylate Fuming Chamber w. carbon filter



Economy Cyanoacrylate Chamber



Evidence Drying Cabinet



# REFORMER



**COPART**  
SCALE AND EFFICIENCY

[www.copartlogistics.com](http://www.copartlogistics.com)

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Headquarters: 200 First Avenue, Suite 101, Needham, MA 02464 USA

Email: [sales@copartlogistics.com](mailto:sales@copartlogistics.com)

