TOPAIR

TOPAIR SYSTEMS

BIOLOGICAL SAFETY CABINETS

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
- 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)**

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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
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 II, Type 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 / 230 V, 50/60 Hz, Single phase			
Illumination	1000 LUX, Eco-friendly LED lighting			
Filters	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 µm 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 µm
- 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
- ETL certified C/US

NSF-49 Biosafety Cabinet Class II, Type A2

Spec/ Model	BO-090-NSF	BO-120-NSF	BO-150-NSF	BO-180-NSF
Outer Dimensions W x D x H	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”
Workspace (W x D x H)	830 x 620 x 650 mm 32.6 * 24.4 * 25.6”	1135 x 620 x 650 mm 44.7 * 24.4 * 25.6”	1440 x 620 x 650 mm 56.7 * 24.4 * 25.6”	1745 x 620 x 650 mm 68.5 * 24.4 * 25.6”
Front Sash	Clear visibility 550 mm / 21.7”, max open 17.7” (450 mm)- working height 8” (200mm)			
Certifications	CE / In Accordance with NSF-49 / ETL certified C/US			
Control system	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 included			
Downflow Velocity	0.33 m/s, 66 fpm			
Inflow velocity	0.5 m/s, 100 fpm			
Airflow pattern	70% circulation, 30% exhaust			
Cleanliness level	Class 100/ISO 5 with IPMS particle monitoring and alarm			
Hood Material	Oven-treated epoxy coated 16-gauge chemical-resistant, (1.5 mm) CRCA Galvanized metal sheet epoxy-coated metal 304 stainless steel interior.			
Adjustable Stand Height Range	70/80/90 cm, (27.5/ 31.4/ 35.4")			
Power Supply	115 / 230 V, 50/60 Hz, Single phase			
Noise Level (Tested 20 cm/8" from worktable, 1.2m/48" above ground)	<56dB	<62dB	<63dB	<63dB
Illumination	1000 LUX, Eco-friendly LED lighting, Germicidal UV light 254 nm			
Filters	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 µm 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
- ETL certified C/US
- 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
Outer Dimensions W x D x H	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”
Workspace (W x D x H)	830 x 620 x 650 mm 32.6 * 24.4 * 25.6”	1135 x 620 x 650 mm 44.7 * 24.4 * 25.6”	1440 x 620 x 650 mm 56.7 * 24.4 * 25.6”	1745 x 620 x 650 mm 68.5 * 24.4 * 25.6”
Front Sash	Clear visibility 550 mm / 21.7”, max open 17.7” (450 mm) , working height 8” (200mm)			
Certifications	CE / In Accordance with NSF-49 / ETL certified C/US			
Control system	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 included			
Downflow Velocity	0.33 m/s, 66 fpm			
Inflow velocity	0.5 m/s, 100 fpm			
Airflow pattern	100% Exhaust			
Cleanliness level	Class 100/ISO 5 with IPMS particle monitoring and alarm			
Hood Material	Oven-treated epoxy coated 16-gauge chemical-resistant, (1.5 mm) CRCA Galvanized metal sheet epoxy-coated metal 304 stainless steel interior.			
Adjustable Stand Height Range	70/80/90 cm, (27.5/31.4/35.4")			
Power Supply	115 / 230 V, 50/60 Hz, Single phase			
Noise Level (Tested 20 cm/8" from work table, 1.2m/48" above ground)	<56dB	<60dB	<63dB	<63dB
Illumination	1000 LUX, Eco-friendly LED lighting, Germicidal UV light 254 nm			
Filters	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 ULPA U15 99.9995% @ 0.1 µm 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, ,spread weight load bearing 100kg
- Anti glare UV protected, 10% angled Front window, 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
- Time, date, temperature, and humidity display
- Germicidal waterproof UV light (254 nm) system and safety interlock mechanism, ,Program to 1-999 minuets
- LED light (1000 lux)
- 2 x universal sockets on right side of back wall
- 2 x Ports on right wall for Gas/Vacuum (taps not included)
- Adjustable stand with casters and arm rest
- ISO 5/CLASS 100 cleanliness level ISO 14644-1 and US Federal Standard 209E
- DOP filter integrity test port easy access
- Optional IPMS System: 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
Outer Dimensions W x D x H	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”
Workspace (W x D x H)	830 x 620 x 650 mm 32.6 * 24.4 * 25.6”	1135 x 620 x 650 mm 44.7 * 24.4 * 25.6”	1440 x 620 x 650 mm 56.7 * 24.4 * 25.6”	1745 x 620 x 650 mm 68.5 * 24.4 * 25.6”
Front Sash	6 mm tempred glass, Clear visibility 550 mm / 21.7”, max open 17.7” (450 mm)- working height 8” (200mm)			
Certifications	CE / In Accordance with EN 12469 (Model BO-120-ME Certified)			
Control system	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			
Downflow Velocity	0.33 m/s, 66 fpm			
Inflow velocity	0.5 m/s, 100 fpm			
Airflow pattern	70% circulation, 30% exhaust			
Cleanliness level	Class 100/ISO 5			
Hood Material	Oven-treated epoxy coated 16-gauge chemical-resistant, (1.5 mm) CRCA Galvanized metal sheet epoxy-coated metal 304 stainless steel interior.			
Adjustable Stand Height Range	70/80/90 cm, 27.5/31.4/35.4"			
Power Supply	115 / 230 V, 50/60 Hz, Single phase			
Noise Level (Tested 20 cm/8" from worktable, 1.2m/48" above ground)	<56dB	<62dB	<63dB	<63dB
Illumination	1000 LUX, Eco-friendly LED lighting, Germicidal UV light 254 nm			
Filters	ULPA U15 Efficiency 99.9995%@ 0.1 µm			

ANZ Biosafety Class II, A2 - Dual Fan System

EN 12469 / AS 2252.2:2025/ Dual ECM Fan Technology / ULPA U15 Filtration / IPMS / ISO Class 5

ANZ Biosafety Class II, Type A2 - Dual Fan System
Specifically designed to comply with Australian laboratory safety requirements. Protects laboratory personnel, the environment, and sensitive biological processes involving potentially hazardous biological agents.

Dual ECM fan system with dedicated inflow and downflow fans, providing quiet, energy-efficient operation and automatic VAV-based compensation for filter loading

Control system: The cabinet is operated via an intuitive 10.1" touchscreen control system that provides real-time status information, critical safety alerts, and preventive maintenance reminders.

Integrated Particle Monitoring System (IPMS):
TopAir's proprietary IPMS continuously monitors airborne particle levels and provides contamination alarms for ISO Class 5 verification.

The cabinet is CE certified and complies with EN 12469 and AS 2252.2:2025 requirements.

- **IPMS (Integrated Particle Monitoring System):** TopAir's proprietary particle monitoring system with contamination alarms for ISO Class 5 verification
- **Safety sash stop mechanism**
- **Protective intake grille**
- Two service ports for gas and vacuum connections (taps included)
- Height-adjustable stand with casters and ergonomic armrest
- Optional - motorized stand
- Two universal electrical outlets located on the right side wall
- Inflow and downflow alarms, sash position alarm, critical safety alarm, filter status alarm, and preventive maintenance reminders
- Real-time filter status monitoring and display
- Real-time display of date, time, temperature, and humidity
- Germicidal UV-C (254 nm) lamp with safety interlock and programmable timer (1-999 minutes)
- Easily accessible DOP/PAO filter integrity test ports
- Protective paper grille
- Unique Active Pressure Sash Gasket system

ANZ Biosafety Class II, A2 - Dual Fan System

CLASS II TYPE A2 BIOLOGICAL SAFETY CABINET - AUSTRALIAN SERIES

Spec/ Model	BO-090-D	BO-120-D	BO-150-D	BO-180-D
Outer Dimensions W x D x H	36 * 31.5 * 57” 915 x 800 x 1450 mm	48 * 31.5 * 57” 1220 x 800 x 1450 mm	60 * 31.5 * 57” 1525 x 800 x 1450 mm	72 * 31.5 * 57” 1830 x 800 x 1450 mm
Work Area (W x D x H)	32.6 * 24.4 * 25.6” 830 x 620 x 650 mm	44.7 * 24.4 * 25.6” 1135 x 620 x 650 mm	56.7 * 24.4 * 25.6” 1440 x 620 x 650 mm	68.5 * 24.4 * 25.6” 1745 x 620 x 650 mm
Front Sash	1/4" (6 mm) tempered safety glass maximum opening and 7.87" (200mm) working height (550mm) "21.7			
Certifications	CE Certified Biological Safety Cabinet complying with EN 12469 and AS 2252.2:2025			
Control system	Advanced microprocessor-based control system with a 10.1" color touchscreen display, air velocity monitoring, sash position monitoring, UV and lighting control, electrical outlet control, multilingual interface, metric/imperial unit selection, and optional IPMS integration			
IPMS	Integrated Particle Monitoring System (IPMS) with contamination alarms for ISO Class 5 verification			
Fan System	Dual ECM fan system with dedicated inflow and downflow fans, providing quiet operation and automatic VAV-based compensation for filter loading			
Performance Data	All Models			
Downflow Velocity	66 fpm (0.33 m/s)			
Inflow Velocity	100 fpm (0.50 m/s)			
Airflow Pattern	70% downflow recirculation, 30% exhaust			
Cleanliness Level	ISO Class 5 (Class 100) in accordance with ISO 14644-1 and US Federal Standard 209E			
Cabinet Construction	Chemical-resistant epoxy-coated steel exterior with Stainless Steel 304 interior work zone			
Adjustable Stand Height	27.5", 31.4", or 35.4" (70, 80, or 90 cm)			
Power Supply	115/230 VAC, 50/60 Hz, Single-Phase			
Noise Level*	<58 dBA	<61 dBA	<62 dBA	<62 dBA
Illumination	1,000 lux LED lighting system and integrated germicidal UV-C lamp (254 nm)			
Filtration	Dual ULPA U15 filters with an efficiency of 99.9995% at 0.1 µm			

* Noise level measured at 48" (1.2 m) above the work surface under standard operating conditions.

EN 12469 Biosafety Class II, A2 - Dual Fan System

EN 12469 / Dual ECM Fan Technology / ULPA U15 Filtration / IPMS / ISO Class 5

EN 12469 Biosafety Class II, Type A2 - Dual Fan System
Specifically designed to comply with European laboratory safety requirements. Protects laboratory personnel, the environment, and sensitive biological processes involving potentially hazardous biological agents.

Dual ECM fan system with dedicated inflow and downflow fans, providing quiet, energy-efficient operation and automatic VAV-based compensation for filter loading

Control system: The cabinet is operated via an intuitive 10.1" touchscreen control system that provides real-time status information, critical safety alerts, and preventive maintenance reminders.

The cabinet is CE certified and complies with EN 12469 requirements.

- **Safety sash stop mechanism**
- **Protective intake grille**
- Two service ports for gas and vacuum connections
- Height-adjustable stand with casters and ergonomic armrest
- Optional - motorized stand
- Two universal electrical outlets located on the right side wall
- Inflow and downflow alarms, sash position alarm, critical safety alarm, filter status alarm, and preventive maintenance reminders
- Real-time filter status monitoring and display
- Real-time display of date, time, temperature, and humidity
- Germicidal UV-C (254 nm) lamp with safety interlock and programmable timer (1-999 minutes)
- Easily accessible DOP/PAO filter integrity test ports
- Protective paper grille
- Unique Active Pressure Sash Gasket system

EN 12469 Biosafety Class II, A2 - Dual Fan System

CLASS II TYPE A2 BIOLOGICAL SAFETY CABINET - EUROPEAN SERIES

Spec/ Model	BO-090-D	BO-120-D	BO-150-D	BO-180-D
Outer Dimensions W x D x H	36 * 31.5 * 57” 915 x 800 x 1450 mm	48 * 31.5 * 57” 1220 x 800 x 1450 mm	60 * 31.5 * 57” 1525 x 800 x 1450 mm	72 * 31.5 * 57” 1830 x 800 x 1450 mm
Work Area (W x D x H)	32.6 * 24.4 * 25.6” 830 x 620 x 650 mm	44.7 * 24.4 * 25.6” 1135 x 620 x 650 mm	56.7 * 24.4 * 25.6” 1440 x 620 x 650 mm	68.5 * 24.4 * 25.6” 1745 x 620 x 650 mm
Front Sash	1/4" (6 mm) tempered safety glass maximum opening and 7.87" (200mm) working height (550mm) "21.7			
Certifications	CE Certified Biological Safety Cabinet complying with EN 12469 and AS 2252.2:2025			
Control system	Advanced microprocessor-based control system with a 10.1" color touchscreen display, air velocity monitoring, sash position monitoring, UV and lighting control, electrical outlet control, multilingual interface, metric/imperial unit selection, and optional IPMS integration			
Fan System	Dual ECM fan system with dedicated inflow and downflow fans, providing quiet operation and automatic VAV-based compensation for filter loading			
Performance Data	All Models			
Downflow Velocity	66 fpm (0.33 m/s)			
Inflow Velocity	100 fpm (0.50 m/s)			
Airflow Pattern	70% downflow recirculation, 30% exhaust			
Cleanliness Level	ISO Class 5 (Class 100) in accordance with ISO 14644-1 and US Federal Standard 209E			
Cabinet Construction	Chemical-resistant epoxy-coated steel exterior with Stainless Steel 304 interior work zone			
Adjustable Stand Height	27.5", 31.4", or 35.4" (70, 80, or 90 cm)			
Power Supply	115/230 VAC, 50/60 Hz, Single-Phase			
Noise Level*	<58 dBA	<61 dBA	<62 dBA	<62 dBA
Illumination	1,000 lux LED lighting system and integrated germicidal UV-C lamp (254 nm)			
Filtration	Dual ULPA U15 filters with an efficiency of 99.9995% at 0.1 µm			

* Noise level measured at 48" (1.2 m) above the work surface under standard operating conditions.

ANZ Biosafety Class II, Type A2

AS 2252.2:2025 / HEPA H14 Filtration / ECM Fan Technology / ISO Class 5 / 7" Touchscreen / CE Certified

ANZ Biosafety Class II, Type A2 is designed to provide protection for personnel, the environment, and sensitive biological processes involving potentially hazardous agents.

Control system: The cabinet is operated via an intuitive 7" touchscreen control system that provides real-time status information, critical safety alerts, and preventive maintenance reminders.

The cabinet is CE certified and designed to meet Australian laboratory safety requirements.
Complies with the requirements of AS 2252.2:2025.

- Safety sash stop mechanism
- Protective intake grille
- Two service ports for gas and vacuum connections (taps not included)
- Height-adjustable stand with casters and ergonomic armrest
- Optional- motorized stand
- Two universal electrical outlets located on the right side wall
- High-efficiency ECM fan with automatic VAV-based compensation for filter loading
- Inflow and downflow alarms, sash position alarm, critical safety alarm, filter status alarm, and preventive maintenance reminders
- Real-time filter status monitoring and display
- Real-time display of date, time, temperature, and humidity
- Germicidal UV-C (254 nm) lamp with safety interlock and programmable timer (1-999 minutes)
- LED lighting system providing 1,000 lux illumination
- Easily accessible DOP/PAO filter integrity test ports

CLASS II TYPE A2 BIOLOGICAL SAFETY CABINET - AUSTRALIAN SERIES

Spec/ Model	BO-090-VL	BO-120-VL	BO-150-VL	BO-180-VL
Outer Dimensions W x D x H	36 * 31.5 * 57” 915 x 800 x 1450 mm	48 * 31.5 * 57” 1220 x 800 x 1450 mm	60 * 31.5 * 57” 1525 x 800 x 1450 mm	72 * 31.5 * 57” 1830 x 800 x 1450 mm
Work Area (W x D x H)	32.6 * 22.2 * 26" 830 x 565 x 660 mm	44.7 * 22.2 * 26" 1135 x 565 x 660 mm	56.7 * 22.2 * 26" 1440 x 565 x 660 mm	68.5 * 22.2 * 26" 1745 x 565 x 660 mm
Front Sash	1/4" (6 mm) tempered safety glass with clear visibility, (550mm) maximum opening and 7.87" (200mm) working height 21.7"			
Certifications	CE Certified Biological Safety Cabinet complying with AS 2252.2:2025			
Control system	Advanced microprocessor-based control system with a 7" touchscreen display, air velocity monitoring, sash position monitoring, UV and lighting control, electrical outlet control, multilingual interface, and metric/imperial unit selection			
Fan System	High-efficiency ECM fan providing quiet operation and automatic VAV-based compensation for filter loading			
Performance Data	All Models			
Downflow Velocity	65 fpm (0.33 m/s)			
Inflow Velocity	100 fpm (0.50 m/s)			
Airflow Pattern	70% downflow recirculation, 30% exhaust			
Cleanliness Level	ISO Class 5 (Class 100) in accordance with ISO 14644-1 and US Federal Standard 209E			
Construction & Utilities	All Models			
Cabinet Construction	Chemical-resistant epoxy-coated steel exterior with Stainless Steel 304 interior work zone			
Adjustable Stand Height	27.5", 31.4", or 35.4" (70, 80, or 90 cm)			
Power Supply	115/230 VAC, 50/60 Hz, Single-Phase			
Noise Level*	<56 dBA	<62 dBA	<63 dBA	<63 dBA
Illumination	1,000 lux LED lighting system and integrated germicidal UV-C lamp (254 nm)			
Filtration	Dual HEPA H14 filters with an efficiency of 99.995% at 0.3 µm			

* Noise level measured at 48" (1.2 m) above the work surface under standard operating conditions.

EN Biosafety Cabinet Class II, Type B2 Metal Version

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 µm 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 IPMS 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
Outer Dimensions W x D x H	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”
Workspace (W x D x H)	830 x 620 x 650 mm 32.6 * 24.4 * 25.6”	1135 x 620 x 650 mm 44.7 * 24.4 * 25.6”	1440 x 620 x 650 mm 56.7 * 24.4 * 25.6”	1745 x 620 x 650 mm 68.5 * 24.4 * 25.6”
Front Sash	Clear visibility 550 mm / 21.7”, max open 17.7” (450 mm)- working height 8” (200mm)			
Certifications	CE / In Accordance with EN 12469			
Control system	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			
Downflow Velocity	0.33 m/s, 66 fpm			
Inflow velocity	0.5 m/s, 100 fpm			
Airflow pattern	100% exhaust			
Cleanliness level	Class 100/ISO 5			
Hood Material	Oven-treated epoxy coated 16-gauge chemical-resistant, (1.5 mm) CRCA galvanized metal sheet epoxy-coated metal 304 stainless steel interior.			
Adjustable Stand Height Range	70/80/90 cm, (27.5/31.4/35.4")			
Power Supply	115 / 230 V, 50/60 Hz, Single phase			
Noise Level (Tested 20 cm/8" from worktable, 1.2m/48" above ground)	<56dB	<62dB	<63dB	<63dB
Illumination	1000 LUX, Eco-friendly LED lighting, Germicidal UV light 254 nm			
Filters	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 µm filters and features an airflow pattern of 70% downflow and 30% exhaust.

The cabinet is made of robust, easily cleaned epoxy coated metal structure with a Stainless Steel 304 working surface.

- 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 µm.
- 2 x electrical outlets
- High efficiency and quiet EC fan
- CE certified

Ecoline Biosafety Cabinet Class II, Type A2

Spec/Model	ECO-BO-080-PP	ECO-BO-120-PP
Outer Dimensions W x D x H	31.5 x 21.59 x 50.79” 800 x 650 x 1290mm	47.24 x 25.59 x 50.79” 1200 x 650 x 1290mm
Workspace (W x D x H)	28.35 x 19.69 x 21.26" 720 x 500 x 540mm	4.72 x 19.69 x 21.26” 1120 x 500 x 540mm
Front Sash Max Opening	400 mm / 15.7”	
Filter Type	HEPA H14 Efficiency 99.9995% @0.3 µm	
Downflow Velocity	0.26 m/s, 52 fpm	
Inflow velocity	0.44 m/s, 88 fpm	
Airflow pattern	70% circulation, 30% exhaust	
Cleanliness level	Class 100/ISO 5	
Noise (Tested 20 cm from the work table, 1.2m above ground)	<60dB	
Power Supply	115/230V, 50/60 Hz, Single phase	

Optional Accessories

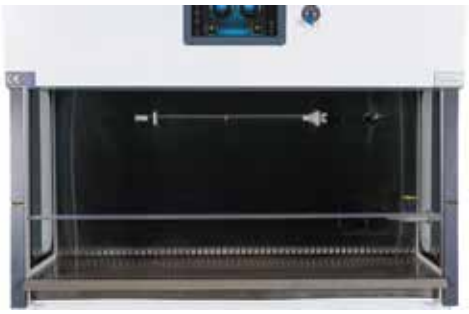
MODEL	Description
ECO-BO-080-ST ECO-BO-120-ST	Metal stand with casters

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

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