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.

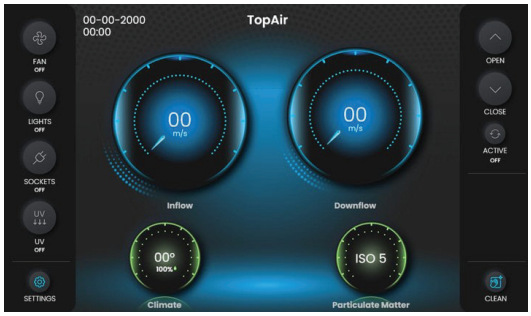
The cabinet is operated using an elegant 10.1" intuitive touch screen control system that provides all of the device's status information and alerts for unsafe critical conditions and periodic maintenance reminders.

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



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 * 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”
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			
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			