



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).

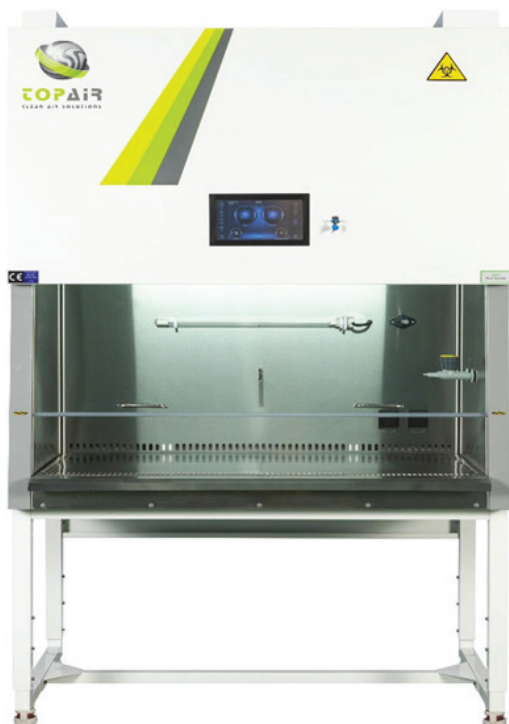
The cabinet is operated using an elegant 10.1" intuitive touch screen control system that provides all of the device's status information and alerts for unsafe critical conditions and periodic maintenance reminders.

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
- 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 * 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 | 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 |

