# Polypropylene Biosafety Cabinet Class II A2

TopAir's Class II 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 filters operating at a typical efficiency of @99.9995% @ 0.1 um with an airflow pattern of 70% downflow and 30% exhaust.
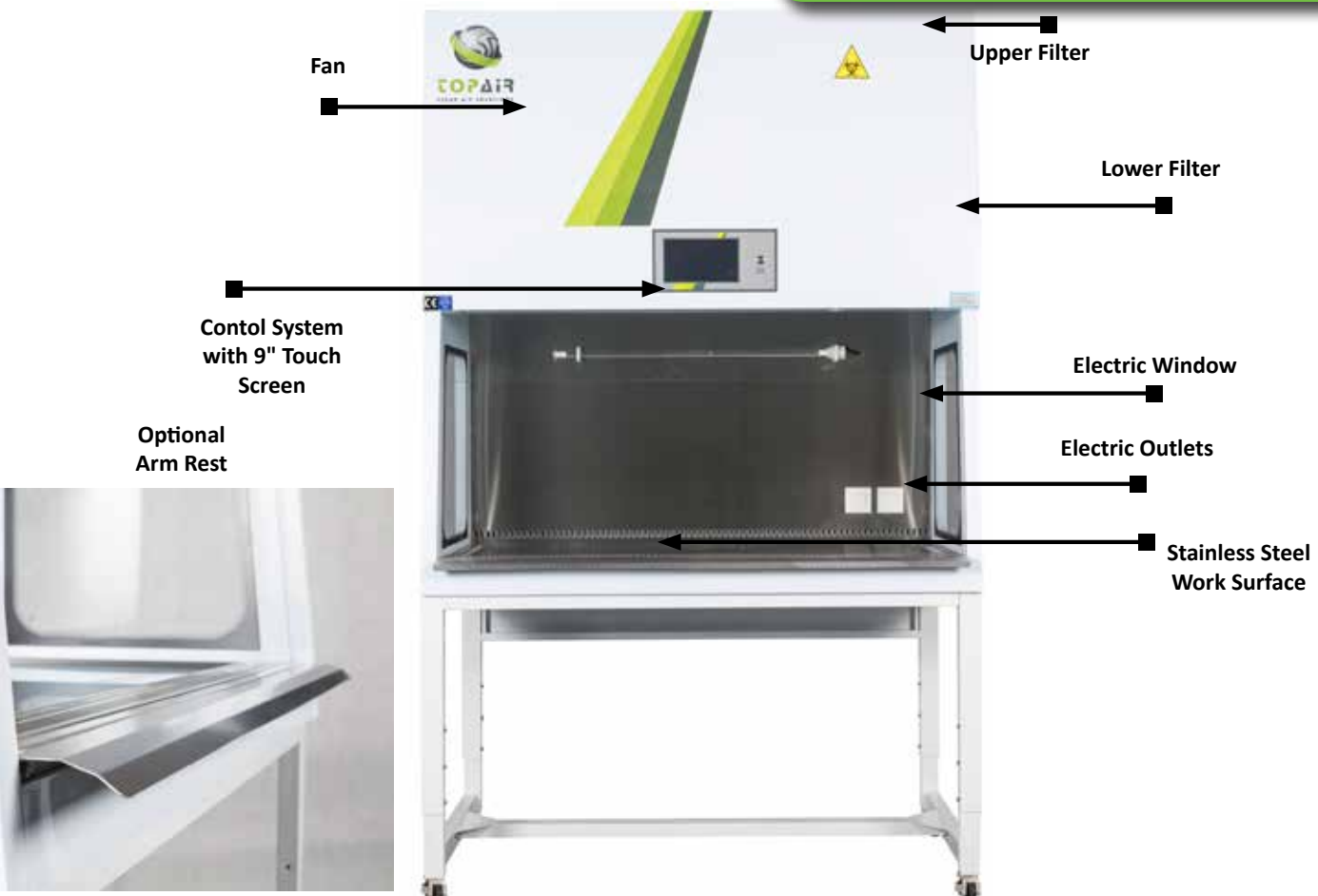
The cabinet is made of robust, easily-cleaned anti-corrosive polypropylene with high resistance to acids and chemicals, which is optimal for clean rooms.

The cabinet is equipped with a smart, safe and elegant touch-screen control system that protects the operator and provides alerts for periodic maintenance actions and devices' replacement.

All components have low energy consumption, LED lighting and an EC fan motor. The system also has a programmable "green" night mode, that shuts down all unnecessary electricity consumption and sets vital components at the required safety level.

**The cabinet is CE certified, and complies with EN 12469.**

- Polypropylene structure - high chemical resistance
- Tempered glass side walls, 304 stainless steel work surface & spill tray
- Two ULPA H15 filters @99.9995% @ 0.1 um
- High efficiency quiet EC fan, 2 integrated taps and 2 electrical outlets
- Smart 9" color touch screen control system
- Maintenance & technical faults alarms
- Timers and counters management screen
- Germicidal water proof UV light system and safety interlock mechanism
- 6 mm triplex layer safety front glass window with electrical motion system
- Programmable economical night mode
- Airflow Pattern: 70% circulation, 30% exhaust
- Economical LED light
- Adjustable stand, optional arm rest
- **ISO 5/CLASS 100 cleanliness level according to ISO 14644-1 & USA Federal Standard 209E**
- **CE certified, complies with EN 12469**



Fan

Upper Filter

Lower Filter

Contol System with 9" Touch Screen

Optional Arm Rest

Electric Window

Electric Outlets

Stainless Steel Work Surface

# Models

| 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 mm<br><br>36 x 31.5 x 59" | 1220 x 800 x 1500 mm<br><br>48 x 31.5 x 59" | 1525 x 800 x 1500 mm<br><br>60 x 31.5 x 59" | 1830 x 800 x 1500 mm<br><br>72 x 31.5 x 59" |
| Workspace (W x D x H) | 835 x 600 x 640 mm<br><br>32.8 x 23.6 x 25.2" | 1135 x 600 x 640 mm<br><br>44.7 x 23.6 x 25.2" | 1440 x 600 x 640 mm<br><br>57 x 23.6 x 25.2" | 1715 x 600 x 640 mm<br><br>67.5 x 23.6 x 25.2" |
| Front Sash Max Opening | 480 mm / 18.9" | | | |
| Production/ Test Standard | CE / In Accordance with EN12469 | | | |
| Downflow Velocity | 0.33 m/s, 60 FPm | | | |
| Inflow velocity | 0.5 m/s, 100 fpm | | | |
| Airflow pattern | 70% circulation, 30% exhaust | | | |
| Cleanliness level | Class 100/ISO 5 | | | |
| Hood Material | Welded white polypropylene structure with stainless still 304 worktop | | | |
| Adjustable Stand Heights | 70/80/90 cm | | | |
| Noise (Tested 20 cm from the work table, 1.2m above ground) | <52dB | <52dB | <54dB | <60dB |
| Power Supply | 115 / 230V, 50/60 Hz, Single phase | | | |
| Illumination | 800 LUX, Eco-friendly LED lighting | | | |
| Filters | ULPA H15 Efficiency @99.9995% @ 0.1 um | | | |