

## **AURA B** Double fan, electronic controlled Biosafety Cabinet Class II Type A/B3 convertible

**Designed for highest operator and environmental protection, with total product protection.**

BIOAIR AURA B cabinets are Class II Biosafety cabinets Type A/B3 convertible. The double fan configuration ensures added safety in case of emergencies. Manufactured in compliance with the main European standards



BIOAIR Class II biosafety cabinets AURA B are designed to fully comply with the main European standards (BS5726, DIN 12950 Teil 10).

Based on the 2 fan configuration -that BIOAIR developed over 20 years ago- in their standard configuration these cabinets are Class II Type A and can be converted into Type B3, by ducting outside the laboratory. In Type A configuration a secondary exhaust HEPA can be retrofitted, in order to allow recirculation in the laboratory, as prescribed by BS5726.

Operating mode: in Type A configuration, the air leaving the main HEPA filter at a constant speed produces a laminar downflow Class 100 environment. An air barrier enters through the front opening and is mixed with the downflow air underneath the work surface. 70% of the air is recirculated, 30% is ducted through the port on top of the unit.

In Type B configuration the operating principle is the same, but the unit is ducted to the outside of the laboratory and the front barrier speed is increased to 0.5m/sec.

Monitoring and Control system: AURA B Biosafety Class II cabinets are equipped with a new electronic control system. A soft-touch keyboard and a bar-graph monitor control the barrier and downflow air speed ensuring the safest operating conditions at all times.

An elapsed-time meter audible and visible alarms allow the user to control filter life and immediately detect any problem linked with air flow.

In compliance with BS5726 1992

In compliance with DIN12950 Teil 10.

In compliance with IEC 66.5

- Centrifugal motorblowers
- Electrical equipment according to International Standards and EMC directives
- Lighting > 800 lux
- Noise level < 60dB(A)
- Cabinet outer surfaces made of cold rolled steel with paint finish
- Inner chamber made of grade 3 stainless steel with radiussed corners and full access to exposed surfaces for ease of cleaning
- Removable work surface (split into three parts for easy steam sterilisation in autoclave) made of grade 3 stainless steel with perforated work area
- Unique sump made of grade 3 stainless steel with coved corners for easy removal of spilled liquids
- Stainless steel plenum
- HEPA filter manufactured in accordance with MIL-F51068 and BS-3928, with an efficiency higher than 99.999% on 0.3µ particles, DOP tested
- Electrical equipment according to International Standards and EMC Directives
- Standard configuration: soft touch control panel, electrical power outlet, vacuum tap, solenoid gas valve, elapsed time meter, fluorescent lights, safety glass, front closure panel (equipped for UV option)
- Soft touch keys on the control panel provide control of the lighting, UV lamp (if fitted), electrical power outlet and solenoid valve

- The air velocity bar-graph indicators give continuous monitoring of the air flow conditions
- Visible and acoustic alarms are activated when the laminar and exhaust flow rates fall or exceed the fixed thresholds and when the front window is not closed securely
- Three sizes to satisfy all applications
- Exhaust Activated Carbon filter option

	<b>AURA B3</b>	<b>AURA B4</b>	<b>AURA B6</b>
Work chamber dimensions (wxdxh)	885x580x652 mm	1190x580x652 mm	1800x580x652 mm
Overall dimensions (wxdxh)	1135x797x1375 mm	1440x797x1375 mm	2050x797x1375 mm
Weight (Kg)	170	225	345
Power supply	220 V - 50 Hz	220 V - 50 Hz	220 V - 50 Hz
Power requirement	1,9 kW	1,9 kW	2,2 kW
Front opening (h)	210 mm	210 mm	210 mm
Exhaust adaptor	ø 118 mm	ø 158 mm	ø 158 mm
Noise level	< 60 dB (A)	< 60 dB (A)	< 60 dB (A)
Lighting	> 800 lux	> 800 lux	> 800 lux

## HOW TO ORDER

<b>Code</b>	<b>Article</b>
LD10000	Biosafety Cabinet Class II AURA B3
LD20000	Biosafety Cabinet Class II AURA B4
LD30000	Biosafety Cabinet Class II AURA B6
AK11000	UV kit for AURA B3
AK12000	UV kit for AURA B4/B6
AS11000	Support stand for AURA B3
AS12000	Support stand for AURA B4
AS13000	Support stand for AURA B6
AC10000	Drawer for all models AURA B

**EXHAUST KIT AND ACCESSORIES**

<b>Code</b>	<b>Article</b>
AZ10000	Exhaust fan kit, filter excluded, for all AURA B models
CP21000	Charcoal filter to install with item AZ10000
AZ10500	Adapter for Aura B3 to install item AZ10000

**PASSIVE EXPULSION KITS AND ACCESSORIES**

<b>Code</b>	<b>Article</b>
AZ10100	Exhaust (passive) adapter kit for AURA B3 (filter excluded)
AZ10200	Exhaust (passive) adapter kit for AURA B4/B6 (filter excluded)
CB10000	Activated charcoal filters kit for AURA B3
CB20000	Activated charcoal filters kit for AURA B4/B6