

AURA Mini Series Downflow CABINETS

Cod. LV30500

Technical Specifications

- Compact, vertical laminar air flow cabinet.
- Reduced size for the easiest installation in small or crowded labs.
- Easily convertible inward or outward barrier operating modes.
- Hinged front panel and side panels in tempered glass
- H14 downflow filter
- Filtrete® exhaust filter (or prefilters depending on configurations)
- Active PCR version
- Silent and quiet operation <math><60\text{dB(A)}</math>



AURA Mini Cabinets are supplied in one compact size only (895mm).

These state of the art compact down-flow cabinets, provide an ultimate cleanliness Class 100 work area where the highest safety for the products is achieved.

The internal design, the air flow aerodynamics, the special H14 filter and the Filtrete® exhaust filter (or prefilters) guarantees the highest performances at the most stringent safety levels and operator comfort.

Two operating modes are available: inward air barrier and outward air barrier.

INWARD air barrier. In this configuration an air barrier flows through the front opening and is recirculated with the downflow air by a motor blower. 70% of the air is returned to the work area through the main HEPA filter and 30% is exhausted into the environment through a Filtrete® exhaust filter with gravimetric efficiency of 99% on 3µm particles. In this configuration an excellent product protection is ensured, as well as an outstanding containment.

OUTWARD air barrier. In this case the air is sucked through the Filtrete® prefilter, mixed with the incoming recirculating air and then filtered through the main HEPA filter into the work area: here 30% of the air is exhausted through the front opening and 70% is recirculated. This configuration ensures the highest product protection.

In the INWARD configuration this unit can easily be used as an "active PCR" cabinet for DNA carry over blocking.

AURA Mini is a complete and user-friendly tool for the protection of highly sensitive products that only experienced European design with over 35 years of know how and accurate quality manufacturing can provide.

Main specifications

1. Centrifugal Motorblower with digital inverter for optimal performance.
2. Soft-touch keys on the control panel provide control of fan and lighting
3. Elapsed time-meter
4. Exhaust filter
5. Removable perforated work surface and back wall of the work chamber made of AISI 304 stainless steel
6. Cabinet outer surfaces made of cold rolled steel with paint finish
7. Front and side panels in 5mm thick tempered glass
8. H14 class High Efficiency Particulate Air filters guaranteed with 99.995% efficiency on 0.1-0.2 micron particles (MPPS) (EN1822-1 and EN 13091:1999 tested and certified)
9. Exhaust filter (or pre-filter) type Filtrete® with a gravimetric efficiency higher than 99% on 3µm particles
10. Standard features includes: Fluorescent lamp, elapsed Time meter
11. Optional cover with UV light (includes safety switch to turn off UV if cover is removed from the cabinet)
12. Electrical equipment according to International Standards and EMC directives
13. Soft touch keys on the control panel provide control of the lighting, motor blower, UV light
14. Lighting > 800 lux
15. Silent and quite operation <60dB(A) due to the highly vibration-free suspensions of the fan.
16. CE Marked

Technical Features **AURA Mini**

Overall dimensions (LxDxH)	820 x 590 x 815 mm
Work Chamber dimensions (LXDxH):	737 x 428 x 510 mm
Weight:	57 kg
Installed Power	250 W
Power supply:	230 V – 50/60Hz
Lighting:	> 700 lux