

# aura vertical S.D.4



Laminar downflow cabinet class 100 for product protection



Aura SD4, sliding sash, sloped-front cabinets are environmental friendly, partial - recirculating downflow cabinets, designed for highly comfortable working conditions

## Main applications:

- Manipulation of non-pathogenic material
- Media preparation
- Plant and animal tissue culture
- Sterility tests
- Assembling of optical or microelectronic components
- Food industry

This unit works on a recirculatory mode with air being filtered by an HEPA (H14) filter with 99.999% efficiency on 0.3 $\mu$  particles, before entering the work area at a speed of 0.45m/sec; this ensures a Class 100 environment throughout the work area.

Air coming through the front aperture is then mixed with the downflow air, without affecting the product, and recirculated. 70% of the air is returned to the work area through the main HEPA (H14) filter, while 30% is exhausted into the environment through an exhaust HEPA (H14) filter.

Both HEPA (H14) filters are manufactured in accordance with EN 1822 - 1 : 1998, with an efficiency higher than 99.999% on 0.3 particles, DOP tested.

This ensures double protection, both for the product and for the operator.

The special sloped front design and the sliding sash ensure comfortable working position and, when needed, a very easy opening and closing of the front window.



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- Unique sliding sash with exclusive blocking locks for three main positions:
  - 1 - Standard working height 200mm
  - 2 - Fully closed (airtight)
  - 3 - Fully open for easy access of large items (450 mm)
- Micromesh membrane on HEPA filter downstream surface for perfect air speed distribution.
- Standard options (included)
  - Vacuum tap
  - Socket
  - UV light socket
- Cabinet outer surfaces made of cold rolled steel with paint finish
- Removable, perforated work surface and back wall of internal chamber made of grade 3 stainless steel
- Front sliding window and side in laminated glass
- Glass sides walls punched for further accessories
- Sloped front and sliding sash window for the most comfortable operation



- Centrifugal motorblower
- Elapsed time meter for HEPA filter life
- Soft touch keys on the control panel providing control of lighting, motorblower, UV light, solenoid valve and power point
- Alarm is provided for fan failure



Front



Side



Top

### TECHNICAL SPECIFICATIONS

Work chamber dimensions (wxdxh):	1240x610x650 mm
Overall dimensions (wxdxh)	1355x785x1457 mm
Weight	175 Kg
Power supply	220V - 50Hz
Power	390 W
Lighting	1000 lux
Noise level	59 dB(A)

How to order	
<b>LV40000</b>	AURA VERTICAL SD4 with sliding sash and exhaust HEPA filter
Stands and UV	
<b>AS00000</b>	Stand for AURA vertical SD4
<b>AKC0000</b>	Mobile UV - light kit for AURA SD4 with timer
Transition Adapter	
<b>AZ15400</b>	Standard passive transition adapter with vertical exhaust
Optional utilities	
<b>APA0000</b>	Additional Vacuum tap
<b>AZZA000</b>	Retrofit Additional Vacuum tap kit (not installed)
<b>APB0000</b>	Additional power point kit
<b>AP00000</b>	Additional gas tap and solenoid gas valve kit
<b>AZZ0000</b>	Retrofit Additional gas tap and solenoid gas valve kit (not installed)
Other options	
<b>AC10000</b>	2- drawers file cabinet all models

EuroClone S.p.A. reserves the right to change product specifications without prior notice

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