

AURA VERTICAL S.D.4

Laminar downflow cabinet class 100 for product protection

Aura S.D.4, sliding sash, sloped front-cabinets are environmental friendly and partial-recirculating downflow cabinets, designed in order to allow highly comfortable working conditions

**LAMINAR DOWNFLOW
CLASS 100**



Main applications for S.D.4 are:

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

This unit works on a recirculatory mode with air being filtered by an HEPA filter with 99.999% efficiency, before entering the work area at a speed of 0.45 m/s; 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 working area through the main HEPA filter and 30% is exhausted into the environment through an exhaust HEPA filter.

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.

- Cabinet outer surfaces made of cold rolled steel with paint finish
- Removable, perforated work surface and back wall of internal chamber made of AISI 304 stainless
- Front sliding window and side panels in laminated glass
- HEPA filters manufactured in accordance with EN 1822, with an efficiency of 99.999%
- Sloped front and sliding sash window for the most comfortable operation
- CE Marked
- Centrifugal motorblower
- Elapsed time meter for HEPA filter life
- Soft touch keys on the control panel provide control of the lighting, motorblower, UV light, solenoid valve and power point
- Alarm is provided for fan failure
- Unique x/y sliding sash. This has three positions:
 1. fully open
 2. standard working height
 3. closed: with air and formaldehyde tight
- Micromesh membrane on HEPA filter downstream surface for perfect air speed distribution

TECHNICAL DATA AURA VERTICAL SD4

Work chamber dimensions (wxdxh)	1240 x 485 x 650 mm
Overall dimensions (wxdxh)	1355 x 785 x 1457 mm
Weight	175 kg
Power supply	230 V- 50 Hz
Power requirement	1.700 W
Lighting	> 700 lux
Noise level	< 62 dB (A)

HOW TO ORDER

Code	Item
LV40000	Cabina a Flusso laminare verticale modello AURA VERTICAL S.D.4

ACCESSORIES FOR AURA VERTICAL S.D.4

Code	Item
AK00000	UV lamp for Aura Vertical S.D.4
AS00000	Solenoid gas valve for Aura Vertical S.D
AZ50000	Support stand for Aura Vertical S.D.4
AC10000	Drawer for Aura Vertical S.D.4