

aura HZ

Horizontal laminar air flow cabinet class 100

Aura HZ is designed to ensure the highest product protection.

Main Applications:

- Assembling of optical or microelectronic components
- Manipulation of non pathogenic material
- Plant and animal tissue culture
- Pharmaceutical preparations
- Media preparation
- Micromechanics

Electronic air speed control

Centrifugal motorblower

Bargraph display for air speed value

Soft touch keys on the control panel provide control of the lighting, motorblower, UV light, Gas tap and Socket

Visible and acoustic alarms are provided for air speed alarm and filter clogging

Energy saving mode: allows operation of the cabinet in stand-by mode at reduced speed

Cabinet outer surfaces made of cold rolled steel with paint finish

Work surface made of AISI 304 stainless steel

Side panels in tempered glass

Micromesh membrane on HEPA filter downstream surface for perfect air speed distribution

HEPA (H14) filters with 99.995% overall collection efficiency on 0.1-0.2 µm (MPPS) [EN 1822-1]

LFC - Lateral Flow Concept unique lateral side dynamic tightness system based on Venturi effect: glass side walls are installed inside the airflow to prevent any contamination from the outside



Aura HZ is a Class 100 horizontal laminar airflow cabinet for product protection from external contamination and cross contamination inside the work chamber.

It is available in two sizes: **Aura HZ 48** and **Aura HZ 72**.

Operating mode: the sterile laminar airflow comes from the back wall installed HEPA Class H14 filter and runs parallel to the work surface at a constant speed (0,45 m/s average), guaranteeing Class 100 (FED STD 209E) - ISO5 (ISO 14644-1 Standard) environment, preventing any contamination to enter from the ambient outside and avoiding cross contamination.

High efficiency washable polyurethane pre-filter removes coarse particles before the air reaches the HEPA (H14) filter. For the highest product safety, air speed is continuously controlled by an integral vane anemometer installed as a standard option.

TECHNICAL SPECIFICATIONS	HZ 48	HZ 72
Work chamber dimensions (W x D x H) mm	1130 x 620 x 740	1790 x 620 x 740
Overall dimensions (W x D x H) mm	1270 x 1050 x 1360	1920 x 1050 x 1360
Height on stand mm	2123	2123
Weight Kg	130	195
Power supply	220 V - 50 Hz	220 V - 50 Hz
Power W	420	800
Noise level dB(A)	< 57	< 59
Lighting lux	1000	1000

HOW TO ORDER

LH20000 Aura HZ 48 (220 V - 50 Hz)

LH30000 Aura HZ 72 (220 V - 50 Hz)

STANDS AND UV

AS22000 Stand for Aura HZ 48

AS23000 Stand for Aura HZ 72

AK20001 UV lamp for Aura HZ 48 and Aura HZ 72

220 V / 60 Hz VERSION and OPTIONAL FEATURES also available;

For further information please contact you local dealer

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

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Via Figino, 20/22 - 20016 Pero (MI) Italy

☎ +39 02 38195.1 - 📠 +39 02 38101465

✉ info@euroclone.it - www.euroclone.it

EuroClone S.p.A. has a Quality System certified in compliance with UNI EN ISO 9001:2008 and NF EN ISO 13485:2004

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