

# aura HZ

Horizontal laminar air flow cabinet  
class 100 for product protection



aura HZ cabinets design use the most advanced electronic and aerodynamic technologies to ensure the highest product protection in a comfortable class 100 environment

## Main applications:

- Manipulation of non pathogenic material
- Media preparation
- Plant and animal tissue culture

- Pharmaceutical preparations
- Assembling of optical or microelectronic components
- Micromechanics

Automatic air control: **aura HZ** is a horizontal laminar air flow cabinet Class 100, for product protection from external contamination and cross-contamination inside the work chamber. The air speed is, for the highest product safety, permanently controlled.

**Energy saving mode:** allows operation of the cabinet in stand-by mode (i.e.: overnight or when no activity is carried out in the cabinet) at reduced speed without compromising product protection.

**LFC - Lateral Flow Concept,** unique lateral side dynamic tightness system, based on Venturi effect: the glass side walls are installed inside the air flow, in order to prevent any leakage from the outside.

An integral vane anemometer sensor is installed in the unit as a standard option.

Operating mode: the air flow, leaving the HEPA (H14) filter at a constant speed, produces an extremely clean - better than Class 100 - environment in the work area, preventing any contamination to enter from the ambient outside.

High efficiency washable polyurethane prefilters remove coarse particles before the air reaches the HEPA (H14) filter.



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- 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.
- Electrical equipment according to International Standards and EMC directives.
- Cabinet outer surfaces made of cold rolled steel with paint finish.

- Work surface made of AISI 304 stainless steel.
- Side panels in tempered glass.
- HEPA filter H14 accordance with EN 1822 - 1 : 1998 with an efficiency higher than 99.999% on 0,3 $\mu$  particles, DOP tested.
- Micromesh membrane on HEPA filter downstream surface for perfect air speed distribution.



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Front



Side



Top

### TECHNICAL SPECIFICATIONS

### HZ 48

### HZ 72

Work chamber dimensions (wxdxh) mm	1130x620x740	1790x620x740
Overall dimensions (wxdxh) mm	1270x1050x1360	1920x1050x1360
Height on stand mm	2123	2123
Weight Kg	130	195
Power supply	220/240 V - 50 Hz	220/240 V - 50 Hz
Power W	420	800
Noise level dB(A)	< 57	< 59
Lighting lux	1000	1000

Code	How to order
<b>LH20000</b>	AURA HZ 48
<b>LH30000</b>	AURA HZ 72
	<b>Stands and UV</b>
<b>AS22000</b>	Stand for AURA HZ 48
<b>AS23000</b>	Stand for AURA HZ 72
<b>AK20001</b>	UV lamp for AURA HZ 48 and HZ 72 (to be ordered in conjunction with AZ61000 or AZ60000)
	<b>Optional Utilities</b>
<b>AZ32000</b>	Retrofit additional Double gas tap for all models
<b>AZ31000</b>	Retrofit additional Single gas tap for all models
<b>AZ32001</b>	Retrofit additional Double vacuum tap for all models
<b>AZ31001</b>	Retrofit additional Single vacuum tap for all models
<b>AZ61000</b>	Retrofit additional Single power point for all models
	<b>Other options</b>
<b>AC10000</b>	2- drawers file cabinet for all models

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

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EuroClone S.p.A. has a Quality System certified Dasa Raegister spa in compliance with UNI EN ISO 9001:2000 and ISO 13485:2003

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