

aura HZ



Horizontal laminar air flow cabinet
class 100 for product protection



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

Main application:

- 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.

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

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.

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.
- 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 μ 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):	1130x620x740 mm	1790x620x740 mm
Overall dimensions (wxdxh)	1270x1050x1360 mm	1920x1050x1360 mm
Weight	130 Kg	195 Kg
Power supply	220V - 50Hz	220V - 50Hz
Power requirement	0,42 kW	0,8 kW
Noise level	< 59 dB [A]	< 59 dB [A]
Lighting	800 lux	

Code	How to order
LH20000	AURA HZ 48
LH30000	AURA HZ 72
	Stands and UV
AS22000	Stands for AURA HZ 48
AS23000	Stands for AURA HZ 72
AK20001	UV lamp for AURA hz48 and HZ 72 (to be ordered in conjunction with AZ61000 or AZ60000)
	Optional Utilities
AZ32000	Retrofit additional Double gas tap for all models
AZ32001	Retrofit additional Single gas tap for all models
AZ31001	Retrofit additional Double vacuum tap for all models
AZ60000	Retrofit additional Single vacuum tap for all models
AZ61000	Retrofit additional Single power point for all models
	Other options
AC10000	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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