**AURA HZ Series
Crossflow cabinets**

**Aura HZ48T – LH20500
Aura HZ72T – LH30500**

AURA HZT Series
Quality with a flair of tradition

Technical Specifications
- Horizontal laminar air flow cabinet.
- Last generation Microprocessor control
- Automatic airflow monitoring
- Reduced air flow switch
- H14 filter with micromesh downstream equalising plenum for the highest airflow speed uniformity
- Micromesh foil for maximum eye comfort.
- Side glass walls with Lateral Flow Effect (LFC) assembly.
- Silent and quite operation <57dB(A)

AURA HZT cabinets are supplied in two different sizes (1.2mt and 1.8mt).
These state of the art crossflow cabinets, provide an ultimate cleanliness ISO3 work area where the highest safety for the products is achieved.

The internal design, the air flow aerodynamics and monitoring, the special H14 filter with Micromesh downstream equalising plenum, guarantees the highest performances at the most stringent safety levels and operator comfort.

A complete and user-friendly tool for the protection of highly sensitive products that only experienced European design with over 35 years of know how and accurate quality manufacturing, can provide.

Main specifications

1. Automatic air control: AURA HZT is a horizontal laminar air flow cabinet, ISO3, for product protection from external contamination and cross-contamination inside the working chamber. The air speed is, for the highest product safety, permanently controlled.
2. Lateral Flow Concept side walls: special tempered-glass side walls are installed inside the air flow, to prevent any leakage from the outside, thanks to the Venturi-effect.
3. Operating mode: the air flow, leaving the HEPA 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.
4. High efficiency washable polyurethane prefilters remove coarse particles before the air reaches the H14 filter
5. H14 class High Efficiency Particulate Air filters guaranteed with 99.995% efficiency on 0.1-0.2micron particles (MPPS) (EN1822-1 and EN 13091:1999 tested and certified)
6. Electrical equipment according to International Standards and EMC directives
7. Lighting › 1000 lux
8. Electronic control air speed. The average volumetric air flow is monitored via an integral vane anemometer and controlled by a microprocessor. Average speed is maintained in the range of 0.4m/sec ± 10%
9. A bar graph displays the air speed value. High or low airflows are shown in red.
10. Soft touch keys on the control panel provide control of the lighting, motor blower, UV light.
11. Visible and acoustic alarms are provided for air speed alarm and filter clogging. Operation hours counter to monitor usage.
12. Cabinet outer surfaces made of cold rolled steel with paint finish
13. Working surface made of grade 3 stainless steel (AISI304). Pre-punched holes for the easy installation of retrofit options.
14. Side panels in tempered glass
15. Micromesh membrane on HEPA filter downstream surface for perfect airspeed distribution
16. CE marked
17. Silent and quite operation <57dB(A) due to the highly vibration-free suspensions of the fan(s).
18. Up to four plugs installable near the light on the ceiling of the cabinet to leave working surface free
19. DOP test port on the right side for fast & easy check of the filter integrity
20. Reduced flow mode to keep the work area clean when not working

Technical Features HZ™ Series

	HZ 48T – LH20500	HZ 72T – LH30500
Work chamber dimensions (LxDxH)	1130x620x740 mm	1790x620x740 mm
Overall dimensions (LxDxH)	1270x1050x1360 mm	1920x1050x1360 mm
Weight	130 kg	195 kg
Power supply	230V - 50Hz	230V - 50Hz
Power requirement	0,65 kW	1,15 kw
Noise level	< 57 dB(A)	< 59 dB (A)
Lighting	> 800 lux	>800 Lux

Options and Accessories

- Power Outlet (IT-D standard, "Schuko")   AZ46000
- Double Power Outlet (IT-D standard, "Schuko")   AZ46090
- Stand for AURA HZ 48T   AS22000
- Stand for AURA HZ 72T   AS23000
- UV Lamp for AURA HZ48T and 72T (uses a plug slot)   AK2000

CE