

ENVAIR

integrity in clean air

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Laminar Flow Cabinets ENVAIR eco air H



Class

ISO 3

Horizontal
product
protection
cabinet

Standard

EN ISO
14644-1

Width (m)

0.9 / 1.2
1.5 / 1.8

Clean technology for a clean environment

ENVAIR eco air H – the clean generation

ENVAIR eco air H cabinets are "ISO Class 3" horizontal laminar flow cabinets which represent far more economical and valid alternatives to clean-rooms, as they are capable of providing uncontaminated, particle-free and sterile conditions for materials in the work-space. They guarantee and maintain excellent product protection factors by offering a decontaminated working area by virtue of the G3 prefilter - and a HEPA filter with an efficiency exceeding 99,995 % MPPS (H14 - EN: 1822).

The ENVAIR eco air H horizontal laminar airflow cabinets have epoxy powder coated steel structures and an AISI 304L stainless steel working surface as standard.



Technology of today for the world of tomorrow

ENVAIR eco air H LAF Cabinets have been adopted in use for product protection from airborne contamination or while handling non-pathogenic biological specimen in applications such as: Sterility Test, Microbiology, In Vitro Fertilization, Preparation of ophthalmic solutions, Preparation of culture media, Assembly of electronic devices, Nutritional Parenteral Therapy, Assembly of medical devices.

Operational Principles

The ambient air is drawn in from the top through the upper part of the cabinet via a pre-filter and it then passes after filtration through a HEPA filter into the working area in a horizontal laminar air flow pattern and exhausted outside.

Special Attributes

Anti bacterial coating

Each ENVAIR cabinet is coated with exclusive Dupont™ ALESTA® anti-bacterial "Ag+ cationsbased solution", capable to prevent microbial contamination of surfaces thereby inhibiting long term surface growth.

Wall Side

Transparent side walls in safety glass and flexible frontal closure shutter (available as an option).

Standard outlets

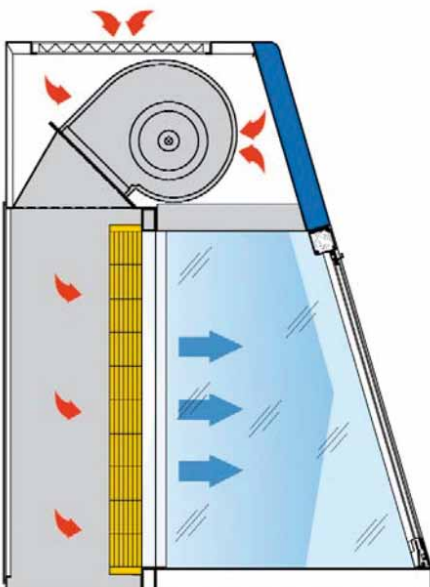
An electric socket is standard with models H 1.2, H 1.5 and H 1.8

UV sterilizing Lamp

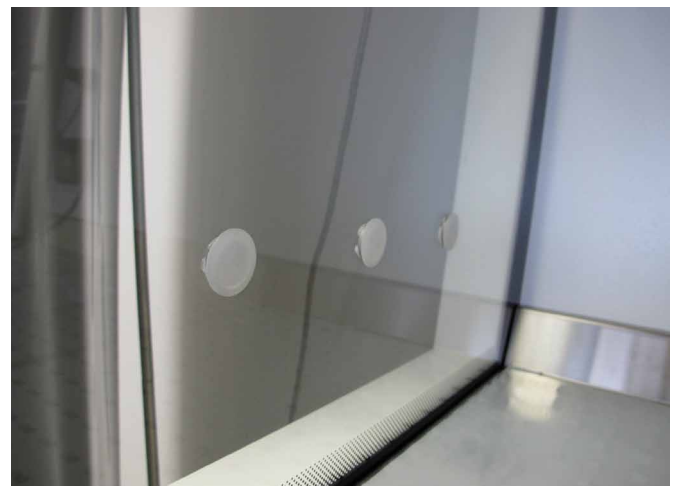
UV sterilizing lamp available as added option - complete with a flexible front shutter in order to close the working area from dust and for the safety of operators.

Features

Structure of the ENVAIR eco air H model horizontal LAF cabinets is in epoxy powder coated cold-rolled steel for excellent corrosion resistance to the attack by aggressive common chemicals. Alternatively special models made in AISI 304L stainless steel for superior cleanability are also available on demand.



Airflow



Side-window with 3 cabinet elements \varnothing 23mm

Our technology protects human and environment

User-friendly keyboard

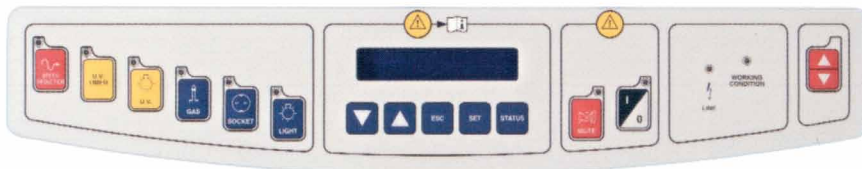
Membrane keyboard front panel with touchsensitive buttons for:

- main On/Off switch
- light
- power socket
- night mode and UV lamp

It is fitted with digital display for indicating air velocity, and the relevant alarms in case the cabinet is equipped with anemometer and automatic airflow control.

Configuration overview

- 1 electrical socket every size



Tailor-made Cabinets

Special cabinets are manufactured as per customer's requirements on demand

Technical specifications

Description	Unit	ENVAIR eco air H			
		0.9m	1.2m	1.5m	1.8m
Overall Dimensions WxHxD (1)	mm	945x1195x925	1250x1195x925	1555x1195x925	1860x1195x925
Useful Dimensions WxHxD	mm	885x734x600	1190x734x600	1495x734x600	1800x734x600
Working aperture	mm	735			
Weight	kg	104	122	171	194
Noise level (2)	dB(A)	<60			
Electrical Data	1Ph+E - 230V 50Hz				
Power consumption	W	700	900	1400	1400

Options and Accessories

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> • UV Light • PVC-Shutter • Epoxy powder painted modular stand • Epoxy powder painted modular stand with Castors • Service connection for electrical power | <ul style="list-style-type: none"> • Gas tap • Vacuum tap • Compressed air tap • Nitrogen tap | <ul style="list-style-type: none"> • Automatic speed regulator and digital anemometer • Digital Display • Differential pressure gauge (Magnehelic) |
|---|---|---|

Legend:



electrical sockets installed



Low power consumption



Work zone rear wall varnished

Service in pure culture

Envair offers service in pure culture. We do not simply sell our units to you but will assist you gladly from A to Z.

Delivery:

We deliver all units ex works. Set-up service and packaging disposal are included upon request.



Maintenance:

- Microbiological Safety Cabinets DIN 12469
- Cytotoxic Dispensing Cabinets with KI-discus test DIN 12980
- Product Protection Cabinets
- Laboratory Fume Hoods
- Cytotoxic Dispensing Isolator EN 14644-7
- Isolator EN 14644-7
- Cleanrooms



Service:

- 24h at site service and 24h free of charge phone hotline
- 7 days a week



Service by professional staff. All works are carried out by service technicians qualified by TÜV Nord

Spare parts guaranty:

- 10 years
- Availability within 24h
- Ex stock Emmendingen



Maintenance contract:

Regular terms of maintenance increase your safety. With a maintenance contract we guarantee the complete check of all functions of your units. We will contact you reliably in regular terms.



Qualification:

- IQ/OQ
- GMP
- GAMP
- 21 CFR Part 11



Guaranty and Warranty:

Combined with an ENVAIR maintenance contract we offer a 2-year warranty to all units. Excepted are consumables and wearing parts as well as compressed air components.



Decontamination:

We carry out microbiological decontaminations with most modern H2O2 generators or Formalin units in Cleanrooms, Isolators and Safety Cabinets

