Technology.
Science.
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Aeolus

Horizontal Laminar Flow Cabinets



- High quality
- Ergonomic design
- Low noise level
- Energy saving

Product protection
RESEARCH & MEDICAL

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Telstar Aeolus H Serie is a high quality horizontal laminar flow workbench range for handling non-hazardous materials that require a particle free environment. These cabinets offer the highest product protection.

- High quality
- Ergonomic design
- Low noise level
- Energy saving

International safety standards

The AEOLUS series is designed and manufactured in order to achieve a working area that meets the ISO 14644-1 (Class 4), GMP Annex 1 (Grade A)* .

Applications

- AEOLUS H Horizontal Laminar Flow Benches, have been specially designed to work in Hospitals, Pharmacies, IVF Centers, Food Control, Horticulture in vitro Cultures, and also in Electronics, Optics, Micromechanics, Plastic Industries, etc
- Horizontal Laminar Flow systems allow operation in sterile and particle free conditions thanks to the continuous flushing of the working area by means of a unidirectional horizontal ultra filtered air flow. The positive pressure inside the cabinet prevents inflow of ambient air from the surrounding environment into the work area.

Available sizes

AEOLUS Series is available in the following standard sizes 90, 120, 150, 180 cm width (3, 4, 5, 6 feet).

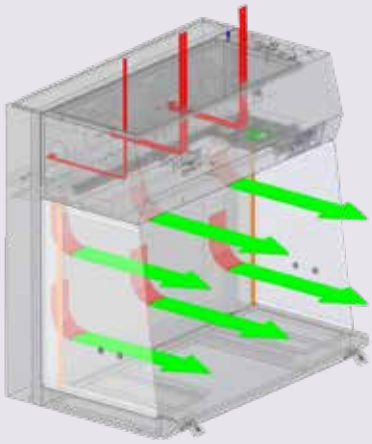
Options & Accessories

The available options and accessories make this cabinet adaptable to many applications.



Basic principle

HEPA filtered horizontal laminar airflow (crossflow) creates an ISO 14644-1 (Class 4) / GMP Annex 1 (Grade A)* work area and prevents ambient air entering the work area, ensuring product protection.



HEPA FILTERED AIR
AMBIENT AIR

* Former Class 100 according to Federal Standard 209E

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General features

High quality components:

- Cabinets made of stove-enamel coated steel
- Polished AISI-304 stainless steel working surface
- HEPA filter protected with laminar screen to provide incomparable uniform flow
- Removable and U.V. resistant tempered glass side walls

Ergonomic design:

- Compact external size without parts protruding from the main body; easy to clean
- LED lighting provides uniform illumination and minimises eyesstrain.
- Low noise level
- User-friendly with intuitive control panel
- Easy installation and service: Side glass panels are removable to allow passage through all doorways. HEPA filter is accessible for replacement from the front of the cabinet. Unit can be disassembled in case of complicated installations
- Wide working surface made in Stainless Steel, cuvette type to avoid potential spillage of liquids that could damage the HEPA filter

Green line:

- Very low power consumption is obtained by adopting:
  - EC motors
  - LED lighting
  - Standby flow Mode
- All parts are retrofittable, even the metallic ones, so extending total life of the cabinet.
- Pre-filter (G3) prevents dust, dirt and particles reaching the HEPA filter, tremendously increasing HEPA filter lifetime

Flexibility:

- Four models with different widths to suit all applications.
- Wide range of options and accessories

Control panel with alarms and parameters



Digital control board with LCD display* including:

- ON/OFF button and light indicator
- Selection of air speed: working or stand-by
- Button for U.V. operation of exposure time programming (option)
- LEDs on control panel show status of: lighting, U.V., clogging of filter
- Alarm LED
- Display with real-time air speed indication and counter for U.V. (working hours and elapsed time) and fan (working hours)

* English, Spanish, French, German, Japanese and Dutch language

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Technical Specifications

Features	Unit	Aeolus H 3	Aeolus H 4	Aeolus H 5	Aeolus H 6
External dimensions (without support frame)	WxDxH (mm)	944x872x1212	1249x872x1212	1554x872x1212	1859x872x1212
Internal dimensions	WxDxH (mm)	925x598x780	1230x598x780	1535x598x780	1840x598x780
Weight	Kg	106	134	150	171
Air velocity	m/s	0.45	0.45	0.45	0.45
Consumption	W	127	177	214	319
Lighting	Lux	≥ 800	≥ 800	≥ 900	≥ 900
Noise level (according to ISO 11201)	dB (A)	57	58	59	60
Main Filter HEPA H14	Efficiency	Efficiency 99.995%, EN 1822 by MPPS method (99,999% D.O.P. test @ 0.3µm particles)			
Pre-filter Efficiency	EN 779	G3			
Fans	EC High efficiency Centrifugal.				
Coating	Powder coating based on polyester resins				
Working Surface	AISI-304				

Configuración standard

- Stainless Steel worktop
- 2 Electrical socket(s)
- LED lighting
- EC fans
- Monitoring of air speed with sensor
- Visual and acoustic alarms

Opciones y accesorios

- Support stand
- Taps (natural gas, vacuum, O2, N2, etc)
- Stainless Steel bar with (4 or 6) hooks
- FAT / SAT / IQ / OQ



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Telstar reserves the right to improvements and specifications changes without notice.