

FlowFAST H

Horizontal Laminar Flow Cabinets



PROTECTION, SAFETY, RELIABILITY.
AND MORE.

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BEYOND MINIMUM SAFETY REQUIREMENT

FlowFAST 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 pre-filter with a minimum efficiency of 80%-90% ASHRAE - and the HEPA filter with an efficiency better than 99,995 % MPPS (H14 - EN:1822).

The FlowFast H horizontal laminar airflow cabinets have epoxy powder coated steel structures and an AISI 304L stainless steel working surface as standard. Laminated working surface available on demand.

Alternatively special models made in AISI 304L stainless steel for superior cleanability are also available on demand

PRODUCTS PROTECTION FROM AIRBORNE CONTAMINATION



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THE USER-FRIENDLY PRACTICAL KEYBOARD

Membrane keyboard front panel with touch-sensitive 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.

APPLICATIONS



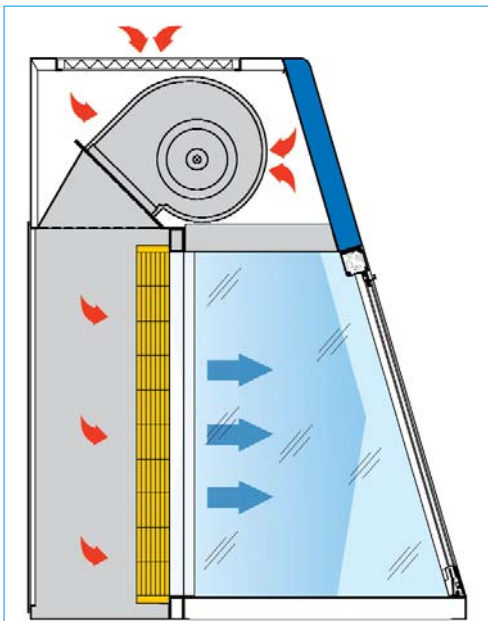
FlowFAST H have been adopted in use for product protection from airborne contamination or while handling not-pathogenic biological specimens in applications such as:

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.



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.



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 an horizontal laminar air flow pattern and exhausted outside.



SUPERIOR FEATURES

Structure of the FlowFAST 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

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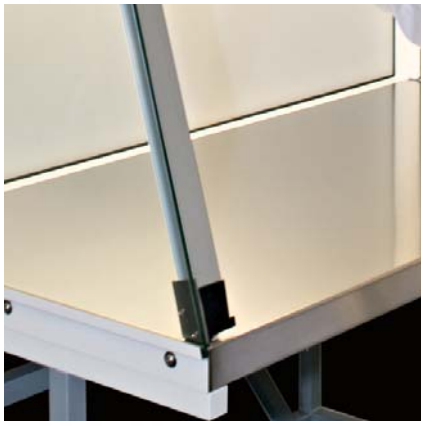


WALL SIDE
Transparent side walls in safety glass and flexible frontal closure shutter (available as an option).

ANTI BACTERIAL COATING
Each FASTER cabinet is coated with exclusive **Dupont™ ALESTA®** anti-bacterial "Ag+cations-based solution", capable to prevent microbial contamination of surfaces thereby inhibiting long term surface growth.

OUTLETS
Outlets available as option, fitted on side glass panels:

- Gas and vacuum manual tap
- Service connection for electrical power



WORK SURFACES
Work Surfaces are made in stainless steel AISI-304L (standard version) - or made of non-reflective plastic laminated panel (special version) on demand.

QUALITY ASSURANCE DEPARTMENT



AIR FLOW SPEED TEST



FILTER LEAKAGE TEST



NOISE LEVEL TEST



Vertical and horizontal laminar flow cabinets are tested in accordance to ISO 14644-1 and EN 61010:2001 Standards and released with FAT certificate of the tests performed.



KI DISCUS TEST



LIGHTING TEST



VIBRATION TEST



ELECTRICAL TEST

TECHNICAL SPECIFICATIONS

Description	Unit	FlowFAST 09	FlowFAST 12	FlowFAST 15	FlowFAST 18
Overall Dimensions WxHxD	mm	945 1195x925	1250 1195x925	1555 1195x925	1860 1195x925
Usefull Dimensions WxHxD	mm	884 734x600	1190 734x600	1494 734x600	1800 734x600
Working aperture	mm			735	
Weight	kg	104	122	171	194
Noise level	dB(A)			<60	
Electrical Supply				230V 50Hz	
Power	Kw	0,70	0,90	1,40	1,40

OPTIONS AND ACCESSORIES

- Epoxy powder painted modular stand for FlowFast H 09/ FlowFast H 12/ FlowFast H 15/ FlowFast H 18
- UV lamp and PVC shutter for FlowFast H 09/ FlowFast H 12/ FlowFast H 15/ FlowFast H 18
- PVC shutter for FlowFast H 09/ FlowFast H 12/ FlowFast H 15/ FlowFast H 18
- Automatic speed regulator and digital anemometer
- D.O.P. inlet
- Service connection for electrical power
- Service connection for gas/vacuum (manual tap)
- Differential pressure gauge
- Hour counter
- Stainless steel bar for bags to be fitted on FlowFast H 09/ FlowFast H 12/ FlowFast H 15/ FlowFast H 18



EN ISO 9001:2000 quality assured firm
Certificate n°112



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a D²GROUP company



Striving everyday to improve our environmental performance, Faster developed environmental policies and procedures are founded on three guiding principles:

Protect the Environment for present and future generations manufacturing low energy consumption equipments

Reduce risks and improve efficiencies

Introduce improved technology and processes