



# FlowFAST H

Horizontal Laminar Flow Cabinets



PROTECTION, SAFETY, RELIABILITY.  
AND MORE.

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Horizontal Laminar Flow Cabinets

## BEYOND MINIMUM SAFETY REQUIREMENT

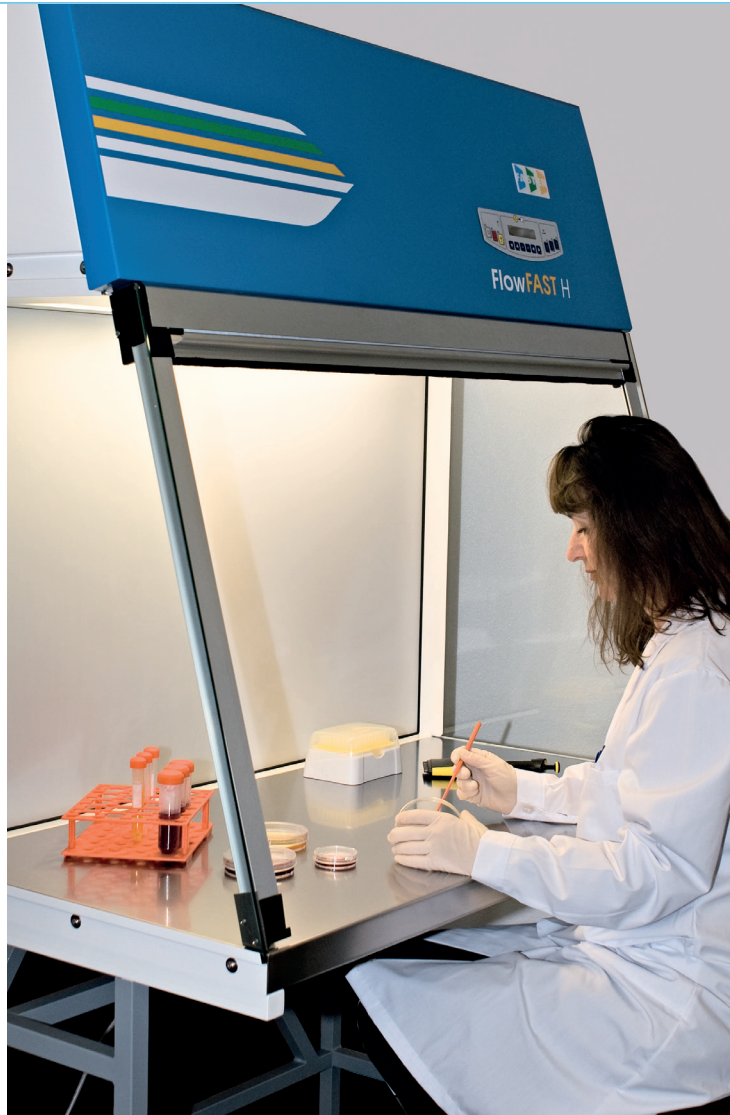
**FlowFAST H Cabinets** are "ISO Class 3" horizontal laminar flow cabinets which represent far more economical and valid alternatives to clean-rooms, as they are capable of providing uncontaminated, particle-free and sterile conditions for materials in the work-space.

They guarantee and maintain excellent product protection factors by offering a decontaminated working area by virtue of the G3 pre-filter - and a H14 HEPA/ULPA filter with an efficiency exceeding 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.

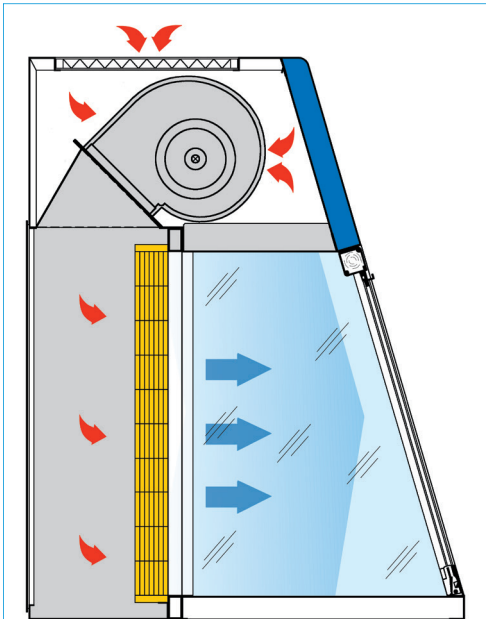
## PRODUCTS PROTECTION FROM AIRBORNE CONTAMINATION





### 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 H14 HEPA/ULPA filter into the working area in an horizontal laminar air flow pattern and exhausted outside.

■ ENVIRONMENTAL AIR ■ CONTAMINATED AIR ■ TERILE AIR



### 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).

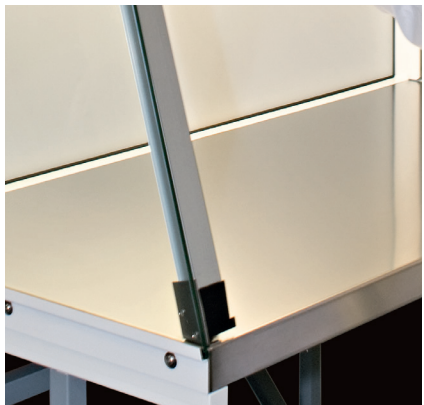
## ANTI BACTERIAL COATING

Each FASTER cabinet is coated with exclusive **Dupont™ ALESTA®** anti-bacterial “Ag<sup>+</sup> cations-based solution”, capable to prevent microbial contamination of surfaces thereby inhibiting long term surface growth.

## OUTLETS

Standard outlet:

- 1 electrical socket IP 66
- Outlets available as option, fitted on side glass panels:
- Gas and vacuum manual tap
  - Led light system.



## 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.

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## FlowFAST H

### THE USER-FRIENDLY PRACTICAL KEYBOARD

**Membrane keyboard front panel** with touch-sensitive buttons for:

- main On/Off switch,
- light,
- power socket IP 66,
- night mode and UV lamp.

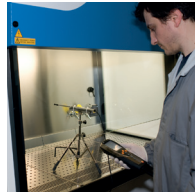
It is fitted with digital display for indicating air velocity, and the relevant alarms in case the cabinet is equipped with anemometer and automatic airflow control.

### APPLICATIONS



FlowFAST H have been adopted in use for product protection from airborne contamination or while handling non-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.**

## QUALITY ASSURANCE DEPARTMENT



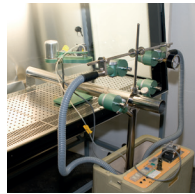
AIR FLOW SPEED TEST



FILTER LEAKAGE TEST



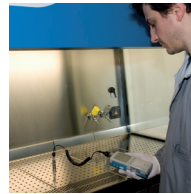
NOISE LEVEL TEST



KI DISCUSS TEST



LIGHTING TEST



VIBRATION TEST



ELECTRICAL TEST

Each Faster vertical and horizontal laminar flow cabinet is tested in accordance to ISO 14644-1 and EN 61010:2001 Standards and released with FAT certificate of the tests performed.

## TECHNICAL SPECIFICATIONS

Description	Unit	FlowFAST H 09	FlowFAST H 12	FlowFAST H 15	FlowFAST H 18
Overall Dimensions WxHxD	mm	945 1195x925	1250 1195x925	1555 1195x925	1860 1195x925
Useful Dimensions WxHxD	mm	885 734x600	1190 734x600	1495 734x600	1800 734x600
Working aperture	mm			735	
Weight	kg	104	122	171	194
Noise level	dB(A)			<60	
Lighthing level	lux	1400	1600	1800	1800
Electrical Supply		1Ph+E-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



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Striving everyday to improve our environmental performance, Faster developed environmental 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