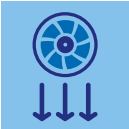




FlowFAST V

Vertical Laminar Airflow Cabinets



LABORATORY AND
INDUSTRIAL EQUIPMENT

FlowFAST V

Vertical Laminar Flow Cabinets

BEYOND MINIMUM SAFETY REQUIREMENT

FlowFAST V Cabinets are "ISO Class 3" vertical laminar flow cabinets working in positive pressure and offering an uncontaminated work area for handling of non pathogenic and non dangerous applications in which a particle free environment is of the utmost importance. They guarantee and maintain excellent product protection factors by offering a positive pressure particle-free working area by virtue of the prefilter with a minimum efficiency of 80%-90% ASHRAE - and the H14 HEPA/ULPA filter (air cleanless in Class ISO 3, according to ISO 14644-1) with an efficiency better than 99,995 % MPPS (EN-1822).

The FlowFast V vertical laminar airflow cabinets have epoxy powder coated steel structures and an AISI 304L stainless steel working surface as standard.

Alternatively special models in negative pressure and fully made in AISI 304L stainless steel for superior cleanability are also available on demand.

PRODUCT PROTECTION FROM AIRBORNE CONTAMINATION



FlowFAST V

Vertical Laminar Flow Cabinets



UV STERILIZING LAMP

Magnetic UV Sterilizing Lamp available as added option supplied with frontal aluminium night door panel with side hook for hanging.



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.

SIDE WALL

Transparent side walls in safety glass. Servicing holes are positioned on the right and left side glasses for taps installation (available as an option).



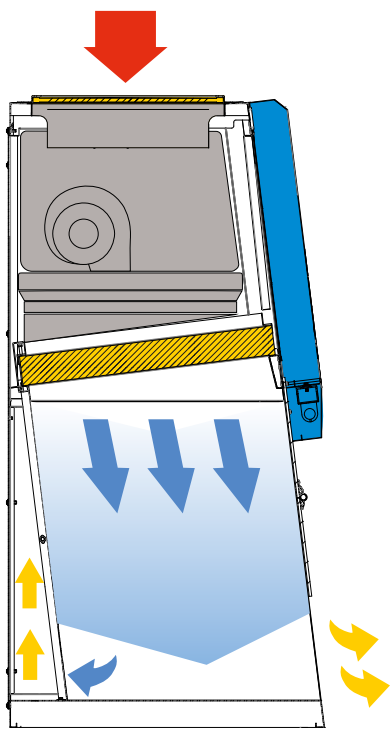
STANDARD FITTINGS

One electrical sockets IP 66 available as standard for model FlowFAST V 09 and FlowFAST V 12, two electrical sockets IP 66 for the models FlowFAST V 15 and FlowFAST V 18.



MAINTENANCE

Snap hinges keep the front tempered safety glass in open position, allowing an easy cleaning of the inner part of the glass. This increases also the front access for the introduction of bulky instruments in the work area.



OPERATIONAL PRINCIPLES

The environment air is drawn from the top of the cabinet via a pre-filter and then pulled downwards and filtered by virtue of H14 HEPA/ULPA filter into the working area in vertical laminar air flow pattern. About 80% of the volume of air treated is exhausted outside from the front working aperture and remaining volume is re-circulated by means of slots positioned at the bottom of the internal back wall.

Fixed AISI 304L stainless steel solid work surface in one piece.

FlowFAST V

Vertical Laminar Flow Cabinets



FlowFAST V

THE USER-FRIENDLY PRACTICAL KEYBOARD

Membrane keyboard front panel with touch-sensitive buttons for:

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

When the cabinet is equipped with anemometer with automatic regulation (optional) visualization of air speed and flow alarms will come together. As standard in fact the cabinet is supplied with its keyboard but without display.

APPLICATIONS



FlowFAST V LAF Cabinets have been widely adopted in many sectors of industry and in science laboratories when handling no-risk cell cultures or non-pathogenic biological specimens when the aim is to provide a high degree of protection factor to the samples and the products on the worktop.

These cabinets are recommended for use in applications such a **Quality Control in the pharmaceutical and food - beverage industries, Cell culture, Sterile manipulation.**

QUALITY ASSURANCE DEPARTMENT

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.



AIR FLOW SPEED TEST



FILTER LEAKAGE TEST



NOISE LEVEL TEST



LIGHTING TEST



VIBRATION TEST



ELECTRICAL TEST



TECHNICAL SPECIFICATIONS

Description	Unit	FlowFAST 09	FlowFAST V 12	FlowFAST V 15	FlowFAST V 18
Overall Dimensions WxHxD	mm	1045x1500x760	1350x1500x760	1655x1500x760	1960x1500x760
Usefull Dimensions WxHxD	mm	893x755x609	1198x755x609	1503x755x609	1808x755x609
Working aperture	mm	250	250	250	250
Net Weight	kg	180	192	274	325
Noise level	dB(A)	<60	<60	<60	<60
Power Supply		1Ph+E-230V 50Hz	1Ph+E-230V 50Hz	1Ph+E-230V 50Hz	1Ph+E-230V 50Hz
Power Consumption	Kw	0,90	0,90	1,40	1,40

OPTIONS AND ACCESSORIES

- UV lamp with aluminium night door closure for FlowFAST V 12/15/18
- Aluminium night door closure for FlowFAST V 12/15/18
- Epoxy painted base stand for FlowFAST V 12/15/18
- Epoxy painted base stand with castors for FlowFAST V 12/15/18
- Additional service connection for electric power
- Gas tap for FlowFAST V 12/15/18
- Vacuum tap for FlowFAST V 12/15/18
- Compressed air tap for FlowFAST V 12/15/18
- Nitrogen tap for FlowFAST V 12/15/18
- Automatic regulator with digital anemometer, factory fitted (automatic UV cycle)
- Digital Display for FlowFAST V 12/15/18 (manual UV cycle including UV Timer and Hour Counter)
- Differential pressure gauge (Magnehelic), factory fitted.



FASTER S.r.l.

Via R. Merendi, 22 I-20007 Cornaredo (MI) Italy
Ph. +39 02 93 991 92 Fax +39 02 93 991 608
www.faster-air.com info@faster.dgroup.it

Production Site

Via Melvin Jones, 3 I-44124 Ferrara (FE) Italy
Ph. +39 0532 730 785 Fax +39 0532 730 799



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

