

# LAMINAR FLOW CLEAN BENCHES, VERTICAL

## INTRODUCTION

Laminar flow clean benches are designed to prevent contamination of semiconductor wafers, biological samples, or any particle sensitive device. Air is drawn through a ULPA filter and blown in a very smooth, laminar flow towards the user. Such hoods exist in both horizontal and vertical configurations. Laminar Fumehood are equipped with a germicidal UV lamp to sterilize the worplace when do not work on it. But you must switch off this light while you are working, as it will burn your skin and generate cataracts to your eyes. Nothing can be stored in the fumehood to allow the sterilization .

## CONFORMITY

- Cabinet performance : EN 12469 (type-tested for cross contamination and product protection using the microbiological testing methods adapted from this biological safety cabinet standard) and IESTRP-CC002 norms.
- Air Quality: ISO 14644-1 Class 3 norm.
- Filtration: EN 1822 (H14), IEST-RP-CC001, IEST-RP-CC007 and IESTRP- CC034 norms.
- Electrical safety: IEC 61010-1 and EN 61010-1 norms.

## ADVANTAGES

- ULPA filters tested to a typical efficiency of >99.999% for 0.1 to 0.3 micron particles are superior to HEPA filters.
- Stainless stell work surface with a curved front edge is designed for maximum operator comfort.
- Ligthing provides excellent illumination of the work zone and reduces opeorator fatigue.
- All surfaces painted with an antimicrobial coating.

## TECHNICAL DATA

- Built in galvanized steel with anti-bacteria epoxy paint.
- Work top in 304 stainless steel.
- Anti-UV tempered glass side panels.
- Control system to switch on/off light and to control the airflow.

## ADDITIONAL OPTIONS - Contact-us

- Germicidal UV lamp and transparent front cover (LUH/LUV).
- Electrica outlet (PEH/PEV).
- Petcok for air, gas and vaccum (ROH/ROV).
- Tubular table with castors.- Prises électrique (PEH/PEV).



These models are also available in Horizontal Laminar flow. Contact us for more informations.

P/N		FLV900	FLV1200	FLV1500
Outside dimensions	H	1270	1270	1270
	W	1035	1340	1645
	D	784	784	784
Inside dimensions	H	678	678	678
	W	965	1270	1575
	D	739	739	739
Inside volume of enclosure (m³)		0,6	0,8	1
Average velocity (m/s)		0,45	0,45	0,45
Nominal voltage (volts)		220-240	220-240	220-240
Power input (watts)		129	151	199
Amps absorbed (Ampères)		7,3	7,5	7,8
Sound level dB(A) (without air flow)		51,6	52,4	55,6
Flow (m³)		1117	1471	1824
Weight (kg)		135	158	199
Fluorescent lamp intensity (Lux)		980	904	894

## Standard equipments

Fluorescent lamp	included	included	included
Control system	included	included	included
ULPA filter	included	included	included

## Optionnal equipments

ULPA filter replacement	ULV900	ULV1200	ULV1500
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Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 11/2014