



VERTICAL LAMINAR FLOW CABINET

Model VGS

CHARACTERISTICS

- Vertical Laminar Flow Cabinet to provide complete protection to the work material. Fitted with a centrifugal motor, protected against surge and exceptionally quiet.
- Recycled air is filtered through an absolute HEPA H14 filter (99.995% MPPS efficiency EN 1822 Standard) and is sent to the work area at a speed of $0.45 \text{ m/s} \pm 0.1$.
- Work area maintains laminar flow conditions with ISO 4 type air purity (according to ISO 14644) or Class 10 (according to Fed. Std. 209).
- Protection barrier in the work area with a speed greater than 0.4 m/s (100 lfpm).
- Work surface made of stainless steel AISI 304. The work surface has a well for easy cleaning and collection of liquids.
- The cabinet is controlled by microprocessor with updateable FLASH memory and an external display for easy visualisation of the cabinet control parameters (speeds, flows and plenum pressure)
- The cabinet has an easy to use tactile panel for control of white / ultraviolet illumination, internal electricity connection, gas valve (optional) and parameters.
- Automatic electronic system regulating motor speed to adapt to progressive filter saturation and protection conditions.
- Illumination may be fluorescent or ultraviolet.
- Working voltage 220 V. 50 Hz. Maximum electrical consumption 6A (approx. 1300 w.).
- The cabinet includes U.V. light as a standard feature; 220 volt electricity connection.



Optional accessories:

- Gas connection with electronically controlled valve.
- Vacuum connection.
- Base stand for the unit.
- Cabinet cover.



PRINCIPAL OFFICE

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DELEGATIONS

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TECHNICAL CHARACTERISTICS

MODEL	VGS-1300	VGS-1800
Workspace (mm)	1200 x 645 x 610 (W x D x H)	1700 X 645 X 610 (W x D x H)
Exterior dimensions (mm)	1310 x 750 x 2000 (W x D x H)	1800 X 750 X 2040 (W x D x H)
Weight (kg)	228	306
Standard support table height	750 mm	750 mm
Material	Work area in epoxy painted steel. Stainless steel work surface AISI 304	Work area in epoxy painted steel. Stainless steel work surface AISI 304
Control system	Microprocessor with Flash memory	Microprocessor with Flash memory
Display	LCD display	LCD display
Main filter	Absolute filter Hepa H14 with an efficiency of 99.995% mpps according to EN 1822	Absolute filter Hepa H14 with an efficiency of 99.995% mpps according to EN 1822
Laminar flow	0,33 -0,50 m/s	0,33 – 0,50 m/s
Air purity rating	Clase 100	Clase 100
FRONT GLASS	Motorized Max. Aperture 550 mm	Motorized Max. Aperture 550 mm
SIDE CRYSTALS	YES	NO
Noise level	≤ 60 db	≤ 60 db
Vibration	≤2 µm rms with 10 hzto 10 kHz frequency	≤2 µm rms with 10 hzto 10 kHz frequency
Lighting	1 x 30 W ≥ 680 lux	1 X 36 W ≥ 680 lux
Ultraviolet	1 X 30 W	1 X 30 W
Power	220 v, 50/60 hz	220 v, 50/60 hz
Consumption	650 W	650 W
Packaging Dimensions (approx)	1500x1100x1650 mm	2000x1100x1650 mm

ORDER INFORMATION

Código	Descripción
425-VGS -1300	VERTICAL 1300 Laminar Flow Cabinet bbs-VGS model.
425-VGS-V1800	VERTICAL 1800 Laminar Flow Cabinet bbs-VGS model



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