INCREASE YOUR
LAB EFFICIENCY

Jupiter
Vertical Flow Clean
Air Class I Cabinets

Scandinavian by Design

LABOGENE

The Jupiter range of cabinets offer the ultimate in containment and safety, with a secure working environment for a diverse range of applications and laboratory procedures.

We have the cabinet for you for **whatever kind of protection you require!**

JUPITER

Jupiter are a series of vertical flow clean air cabinets, which incorporate the latest laminator technology and energy-saving designs with HEPA-filtration and a range of options that gives optimal performance and protection for both the operator and environment.

How does it work?
The Jupiter series are Class 1 safety cabinets and thus provide operator and environment protection for the safe handling when working with chemicals and powders.
The air enters the cabinet via the front aperture passing through a built-in exhaust fan and HEPA filter, thus providing operator and environmental protection. The air then exits the cabinet at the rear of the work surface. The escape of any airborne particulates generated within the cabinet are therefore controlled by means of the inward airflow through the front aperture and by filtration of the exhausted air. Unlike conventional fume hoods, the HEPA filter in the cabinet protects the environment by filtering the air before it is exhausted.

The cabinet is not appropriate for handling research materials that are vulnerable to airborne contamination, since the inward flow of unfiltered air from the laboratory can carry microbial contaminants into the cabinet. In these circumstances a Microbiology Safety Cabinet Class II is more applicable.

Jupiter is instead suitable for extraction of high levels of organic compounds, airborne particles, powders and salts.

Available in four different working area sizes:
- Widths 900 mm, 1200 mm, 1500 mm or 1800 mm

It is possible to have the cabinet recirculated or ducted and it can also be manufactured with a Carbon filter for protection against solvent or pungent vapours. Thereby providing you with the choice of the preferred configuration for optimal operator and environmental protection for your specific applications.

JUPITER'S
FEATURES & BENEFITS

Easy to maintain as all service functions are performed from the front of the cabinet

Slim compactly constructed with an overall depth of less than 800 mm and can easily be transported through standard 800 mm doorways

Electrical operated front window with fully open/ closed functions

A wide range of support stand can be supplied including an electrical operated elevation stand

Latest energy-efficient EC fans ensuring low energy consumption

The integrated control panel with LCD display is conveniently positioned for ease of viewing and operation

Angled front window that gives a correct ergonomic working position both when seated or standing

Sectional work tops for easy removal, cleaning and decontamination. Different sizes of table tops can be provided from 300 mm to 1800 mm

Optimal operator comfort

- Angled front window that gives a correct ergonomic working position when either seated or standing.
- A powder coated finish with tempered glass side windows combined with glare-free lighting gives a comfortable supervision and a stress-free working environment.
- Diffused laminator allows shadow-free, variable light distribution within the chamber for optimal illumination and comfort.
- The integrated control panel with LCD display is conveniently positioned for ease of viewing and operation. Incorporates easy programming with functions for reduced speed, lighting adjustments, exhaust and down flow air alarm, window position correctness, ensuring optimal performance and safety characteristics at all times.

Ultra clean environment – Safety First

- The HEPA filters have a depth of 110 mm with efficiency at 99,999 % against 0,3 µm particles, ensuring a sterile working environment.
- The activated carbon filter removes contaminants and impurities, using chemical adsorption.
- Slim compact design with stainless steel trough for spillage containment and divided table tops for ease of cleaning and decontamination of all surfaces.
- Angled pre-filter for easy inspection and filter exchange.
- Easy to maintain as all service functions are performed from the front of the cabinet, including changing of the HEPA filters, pcb's and sensors. Similarly, all adjustments of alarms and fan speed also are made from the control panel at the front.

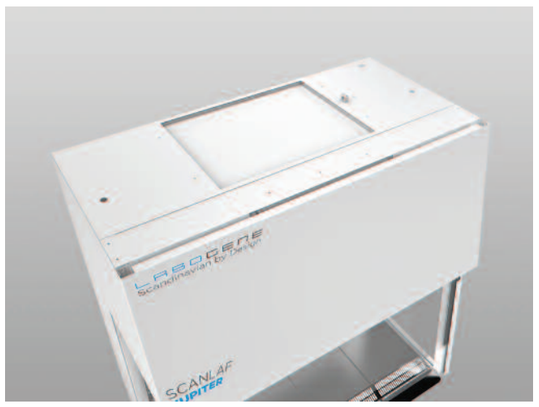
Energy saving benefits

- Latest energy-efficient EC fans ensuring low energy consumption. Saving up to 85% of energy compared to the old AC fans.
- Annual operating costs are reduced due to the use of low energy fans, which also allows for the use of the 11 cm deep HEPA filters, giving a 50% longer filter life.
- Low energy consumption results in less heat transmission to the work chamber and to the laboratory contributing significantly to a reduction of overall energy costs.

JUPITER'S
FEATURES & BENEFITS

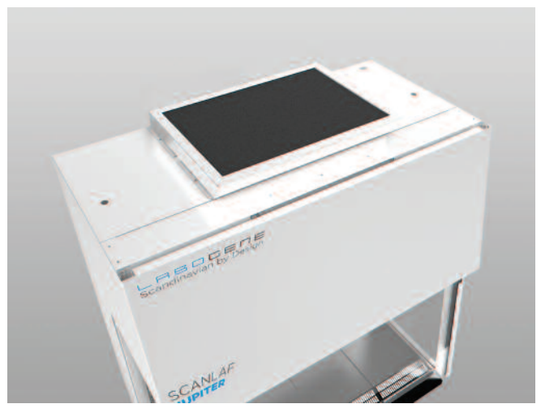
At LaboGene we know how important it is to select the right cabinet to meet your technical requirements. Therefore, we offer different options for the Jupiter Class 1 Cabinet to be able to suit your specific needs.

TYPE OF CABINET:	HEPA FILTER:	CARBON FILTER:	DUCTED:	INTERNAL BLOWER:
Jupiter Basic	●			●
Jupiter with Carbon Filter	●	●		●
Jupiter with Ducting	●		●	●



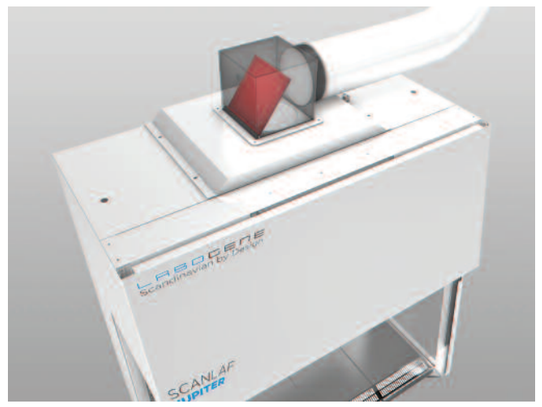
Jupiter Basic
A Class 1 Microbiological Safety Cabinet protecting both the operator and the environment, whilst carrying out manipulations with bio-hazardous or infectious materials, inside the work chamber.

Equipped with a HEPA filter and an internal fan.



Jupiter with Carbon Filter
A Class I Microbiological Safety Cabinet protecting both the operator and the environment, whilst carrying out manipulations with bio-hazardous or infectious materials, inside the work chamber. This model has the added benefit and feature of a Carbon Filter, offering additional protection against solvent or pungent vapours.

Equipped with a HEPA filter, Carbon filter and an internal fan.



Jupiter with Ducting
A Class 1 Microbiological Safety Cabinet for connecting to an extract duct, enabling 100 % exhaust from the work chamber, whilst protecting the operator and the environment.

Equipped with a HEPA filter, external duct connection and an internal fan.

Additional information
Please contact the LaboGene distributor in your specific country or visit our webpage
www.labogene.com

APPLICATIONS

The Jupiter cabinet's versatility of design and construction with different possibilities allows for adaptability and use in many applications and procedures, whilst ensuring total operator and environment protection.

These include:

- Suitable for general microbiological research and work involving low to moderate risk agents where there is a need for containment, but not for production protection.
- Suitable for extraction of high levels of organic compounds, airborne particles, powders and salts.
- Commonly used to enclose specific equipment, e.g. centrifuges, or procedures, i.e. aerating cultures, that potentially generate aerosols, such as tissue homogenization, sonication or cage cleaning/ manipulation.

If you are in any doubt with regards to the Jupiter cabinets use for your specific application, then please contact the distributor in your specific country.

To find your local distributor visit www.labogene.com

WE HAVE THE JUPITER CLASS I CABINET SUITABLE FOR YOUR APPLICATION ... **WHATEVER YOUR NEEDS AND SPECIFIC REQUIREMENTS!**

Meeting your

SPECIFIC NEEDS

JUPITER
RANGE OF OPTIONS

We offer a range of options to tailor the Jupiter to your specific requirements!

- A wide range of different support stands can be supplied including an electrical operated elevation stand. With an overall height of just a little above 2 metres the Jupiter cabinets offer full operational performance in rooms with low ceilings, even when fitted with the electrical elevation support stand.
- Different types of electrical outlets can be ordered.
- Sectional work tops can be provided in different sizes from 300mm to 1800mm and also in AISI 316 to enable the Jupiter to be configured to your exact practical requirements.
- Sink with a water tap mounted into a solid one-piece worktop.
- A marble stone can be inserted into the work top section for a balance to enable weighing applications to 6 decimals.
- Built-in LAF-LCD screen mounted on the rear wall or alternatively magnetically mounted for easy removal or positioning to suit the operator's convenience and comfort.

Numerous other options are available, ranging from different valve types, the interior in AISI 316 instead of AISI 304, heated- plate zone system, PIR sensor, Bunsen burner, LED light, mounting of microscope etc.

Contact the LaboGene distributor in your specific country for more information about all the options and about Jupiter customization and bespoke configurations.

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YEARS OF EXPERIENCE

LaboGene are experts in the fields of Clean Air & Laminar Flow, Centrifugation, Vacuum & Cooling. We provide both standard and perfectly customised solutions. Designing, developing, manufacturing and marketing laboratory and industrial equipment is our speciality.

Leading supplier in:
Microbiological safety cabinets
Freeze dryers
Freezers
Centrifuges

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