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. The wide range of different models and options all provide 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, HEPA and/or Carbon 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/absorption 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 models:

- Jupiter Basic, Jupiter Fume Pro, Jupiter Pro and Jupiter Pro Plus.

All models come in four different widths – 900 mm, 1200 mm, 1500 mm and 1800 mm.

Recirculating or ducted cabinets, with Carbon and/or HEPA filtration, provides you with the choice of the preferred model 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

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.

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

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

- 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

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

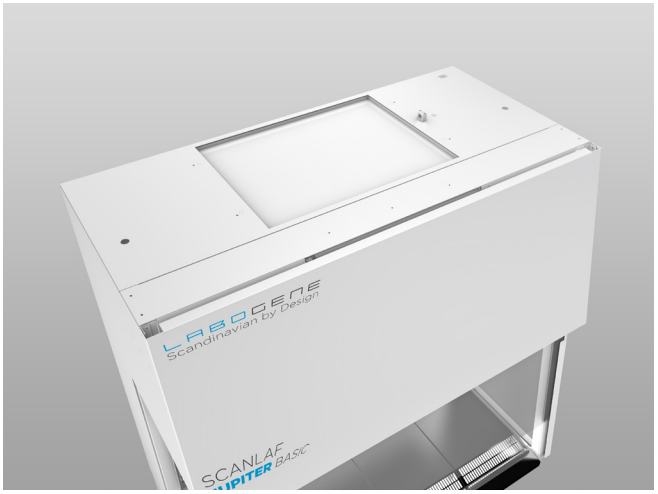
- Latest energy-efficient EC fans ensuring low energy consumption. Saving up to 85% of energy compared to the old AC fans.

- 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

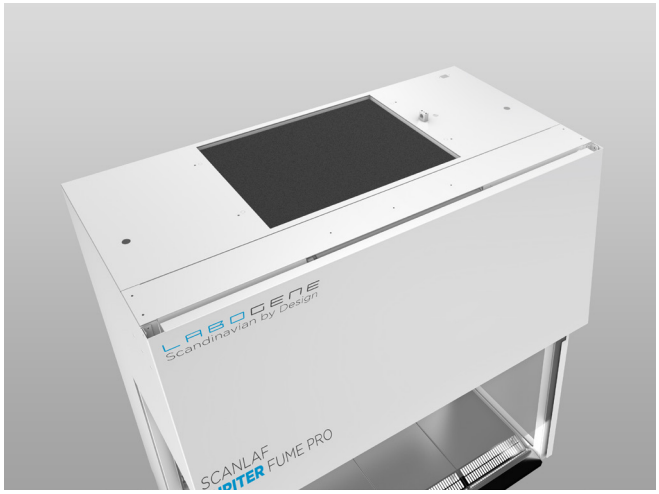
At LaboGene we know how important it is to select the right cabinet to meet your technical requirements. Therefore, we offer four different kind of the Jupiter Class 1 Cabinet to be able to suit your specific needs.



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.

The Jupiter Basic is equipped with a HEPA filter and an internal fan.

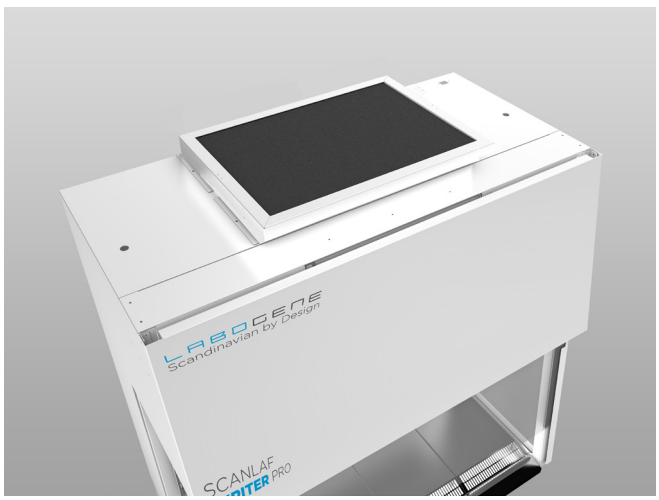


Jupiter Fume Pro

The ideal Class I Microbiological Safety Cabinet for procedures that may involve the use of organic solvents, ammonia etc., providing total containment, protection for both the operator and the laboratory environment.

The Jupiter Fume Pro is equipped with a carbon filter and an internal fan.

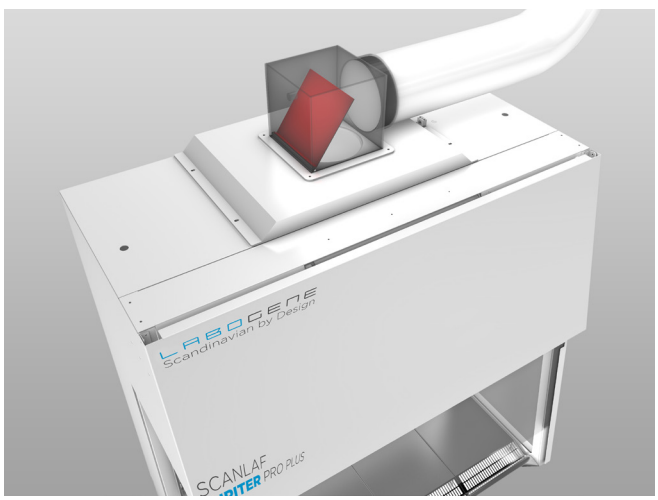
TYPE OF CABINET:	HEPA FILTER:	CARBON FILTER:	DUCTED:	INTERNAL BLOWER:
Jupiter Basic	●			●
Jupiter Fume Pro		●		●
Jupiter Pro	●	●		●
Jupiter Pro Plus	●		●	●



Jupiter Pro

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. The Pro model has the added benefit and feature of a Carbon Filter, offering additional protection against solvent or pungent vapours.

Jupiter Pro is equipped with a HEPA filter, carbon filter and internal fan.



Jupiter Pro Plus

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.

Jupiter Pro Plus is equipped with a HEPA filter, internal Fan and external duct connection.

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!**