

# INCREASE YOUR LAB EFFICIENCY

Sirius  
Compact Individual Class II  
Biological Safety Cabinet

Scandinavian by Design



LABOGENE

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



## SIRIUS

Sirius is a compact individual Clean Air work station, which incorporate the latest laminator technology and energy-saving designs with HEPA-filtration. Offering complete portability and enabling suitable and convenient positioning in your laboratory.

### How does it work?

The Sirius is a Class 2 biological safety cabinet and thus provides operator, environmental and product protection.

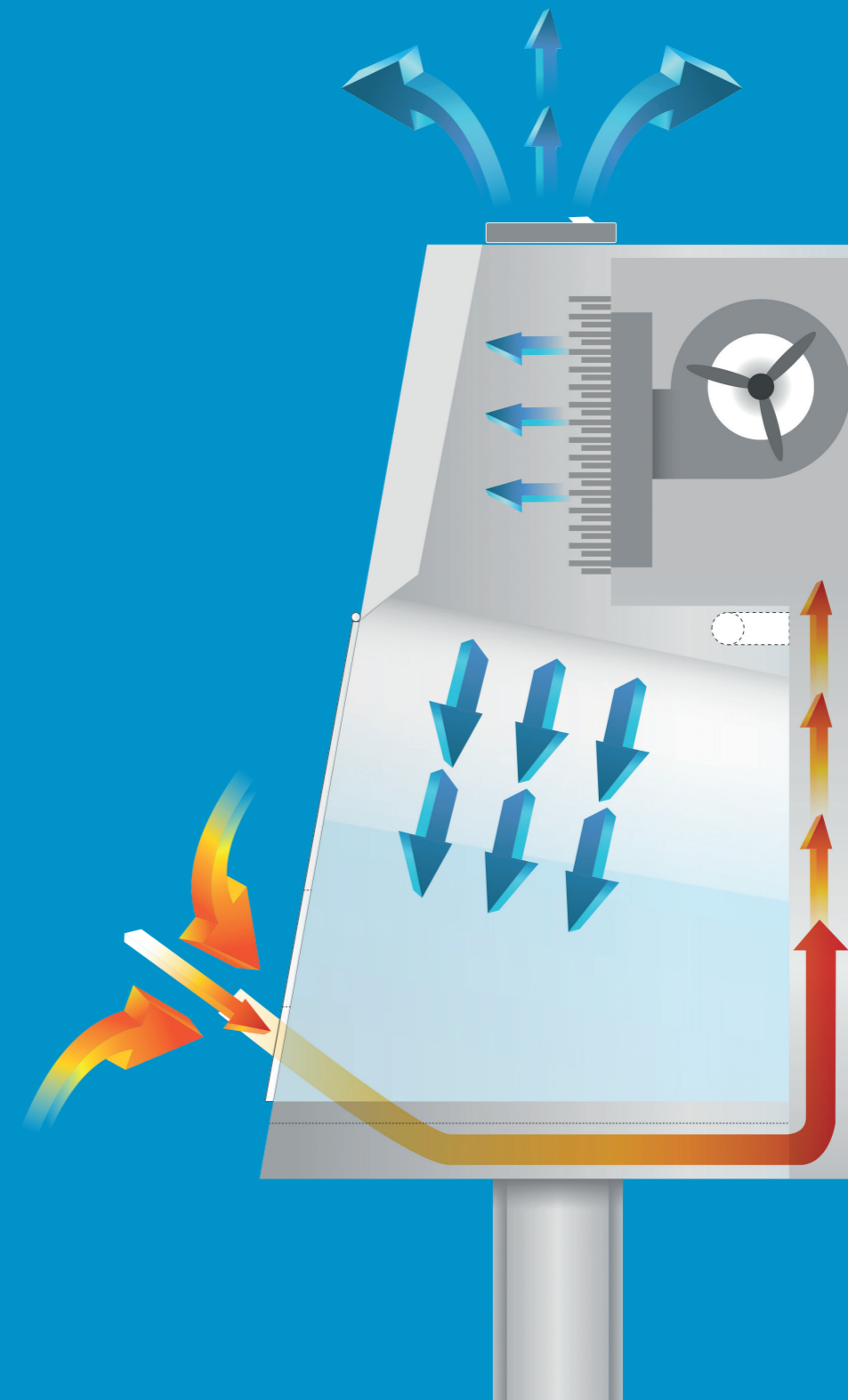
The air enters the biological safety cabinet via the front aperture and continues under the worktop, up the back plenum. 70% of the air is recirculated

through the main HEPA filter, to provide the down flow and 30% exits via the HEPA filter to exhaust.

The vertical laminar flow recirculation provides operator protection by means of the inflow, product protection by means of the down flow and environmental by means of the filtered exhaust.

The Sirius cabinets, the ideal choice for your laboratory, wherever full security and practicality is required. Cell cultures, microbiology and pharmaceutical applications, are just some examples of installations of the Sirius cabinet.

Compact Clean Air cabinet for product, environment and operator protection



# SIRIUS'

## FEATURES & BENEFITS



The Sirius allows portability, sterility and practicality and use in application and procedures for cell culture, microbiology and pharmaceutical work, whilst ensuring full protection to the operator, product and environment.

It is available with a full working opening of 200 mm giving an easy access to the work area or alternatively fitted with a front screen with access port holes which enhances operational protection, whilst at the same time conserving energy.

### Optimal operator comfort

- Glare-free lighting gives a comfortable stress-free working environment.
- Easy access with a high work opening or alternatively with port holes which enhances operation protection and low noise level.
- Portability with ease of positioning on existing laboratory tables or benches and can easily be re-located, removed or stored when not in use. It only takes 690 mm of bench space.
- The integrated control panel with LCD display is conveniently positioned for easy viewing and operation. Incorporates easy programming with functions for operating time, lighting adjustments, exhaust and down flow air alarms, window position correctness, ensuring optimal performance and safety characteristics at all times.
- Auto start/stop function for user convenience and safety.

### 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 clean sterile work chamber environment.
- Easy cleaning and decontamination of all surfaces exemplified by the removability of the inner rear wall and table top.
- 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 speeds are also made from the control panel at the front.

### Energy saving benefits

- Latest energy-efficient EC fan ensuring low energy consumption of less than 0.2 Amp. Saving up to 85% of energy compared to the old AC fans.
- Annual operating costs are reduced due to the use of a low energy fan, which allows for the use of the HEPA filters with a depth of 110 mm, 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.
- Possibility to connect a PIR sensor to the cabinet allowing operation at reduced speed, when unattended, maintains the cabinet's integrity, and full operation when the operator inserts his/her hands into the working aperture.

Need a customised solution?  
For more information visit:  
[www.labogene.com](http://www.labogene.com)



# Meeting your **SPECIFIC NEEDS**

## **SIRIUS** RANGE OF OPTIONS

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

- Connect the cabinet to a PIR sensor ensuring automatically reduced speed while you are not working at the cabinet. Full speed and light activation upon detecting any movement at the work aperture.
- An electrical operated elevation stand 750-1050 mm ergonomically correct for operator posture, for either a sitting or standing position whilst working. Alternatively, a fixed 900 mm support stand can be supplied.

- Signals for external ventilation system including potential-free contact and a 3-sensor option with pressure switch fitted for indicating any insufficient pressure drop in the exhaust duct, thus giving the operator maximum safety conditions at all times.
- A carbon filter system for removal of organics, when the cabinet is re-circulating back into the laboratory.

Other options are available as sinks, electric outlets, USB ports, flow sensors, etc.

Contact the LaboGene distributor in your specific country for more information about all options and any customisation requirements of the cabinets.

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## YEARS OF EXPERIENCE

LaboGene are experts in the fields of clean air & laminar flow, vacuum & cooling. We provide both standard and perfectly customised solutions. Designing, developing, manufacturing and marketing in laboratory and industrial equipment is our speciality.

**Leading supplier in:**

Microbiological safety cabinets  
Freeze dryers  
Freezers

**Learn more at [www.labogene.com](http://www.labogene.com)**



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