

INCREASE YOUR LAB EFFICIENCY

Fortuna Clean Bench
Vertical Laminar Flow
Clean Air Cabinets

Scandinavian by Design



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LABOGENE

The Fortuna range of cabinets offers the ultimate in product protection, operator comfort and with optional fittings to provide the cabinet best suited for your laboratory and its procedures



FORTUNA CLEAN BENCH

The Fortuna is a series of vertical sterile laminar airflow cabinets which incorporate the latest laminator technology and energy-saving designs with HEPA-filtration and a range of options that gives optimal protection of your product, samples or equipment.

How does it work?

The air enters the sterile cabinet from the top of the chamber passing through a pre-filter prior to the main filter to provide laminar down flow, which ensures ultimate product protection. The air flow will thereafter exit from both the front aperture and the rear of the work surface, thus providing a positive pressure environment. The turbulent-free airflow provides a clean, sterile work chamber with complete protection for your products against microbiological intrusion or contamination.

The Fortuna range of cabinets, the ideal choice for your laboratory, wherever a sterile working area is required. PCR, cell culture, microbiology applications, microprocessor manufacturing, plant tissue culture, micro-electronics assembly, optics servicing, are just some examples of installations of the Fortuna range.

Available in four different working area sizes

- Widths 900 mm, 1200 mm, 1500 mm or 1800 mm

All models come with an electric front window with an opening up to 550 mm and with a wide range of high-quality customised options to suit your individual needs or requirements.

FORTUNA CLEAN BENCH'S

FEATURES & BENEFITS

New features of
the Fortuna Clean Bench
cabinets!

**Lowest noise level & Lowest
energy consumption.**

Noise level down to 45 dB(A)* with a
power consumption of 52 Watts**
at factory settings.

All service functions are performed
from the front of the cabinet

Compactly constructed with an
overall depth of less than 800 mm

Electrical operated front window
with fully open/closed positions

Wide range of support stands

Latest energy-efficient EC fans

Eye level control panel

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

Easy cleaning and disinfection
of the one-piece table top.

Optimal operator comfort

- New features of the range include: New innovative EC fans and optimized air flow, contributing up to a reduction in the noise level.
- Panoramic front & side windows for ultimate supervision and glare-free lighting, giving a comfortable stress-free working environment.
- Diffused laminator allows shadow-free, variable light distribution within the chamber.
- The integrated control panel with LCD display is conveniently positioned for ease of viewing and operation, ensuring optimal performance and safety characteristics at all times.

Ultra clean enviroment – Safety first

- 110 mm HEPA filters with efficiency at 99,999 % against 0,3 µm particles, ensuring a clean sterile work chamber environment.
- Unique laminator/diffuser technology giving turbulent-free air flow, protecting your samples against particle contamination.
- Alarms, both acoustic and visual for unsafe airflow conditions or any interruption.

* According to EN 11201.

** When equipped with LED light

FORTUNA CLEAN BENCH'S

FEATURES & BENEFITS

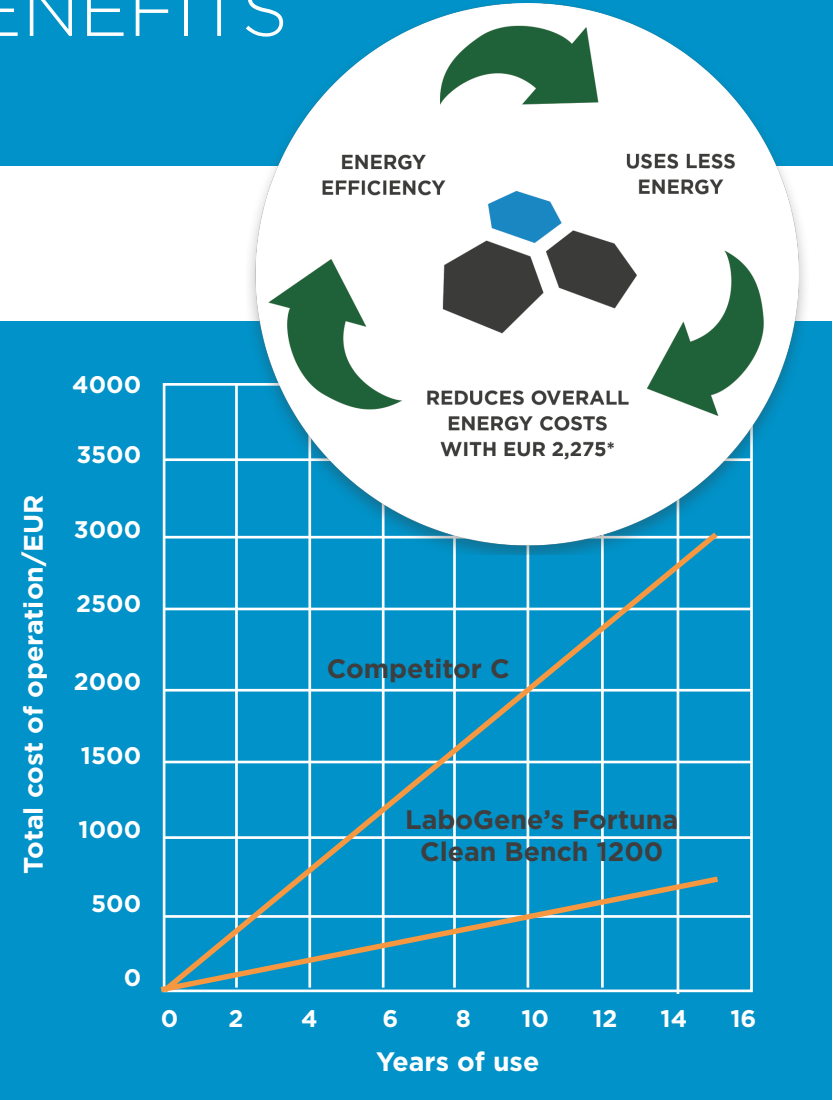
Energy saving benefits

- New features of the range: Now available with new innovative EC fan motors and optimized air flow.

For a Fortuna Clean Bench 1200 this equates to an energy consumption of 92* Watts at factory settings and 35 Watts in Eco-Save mode.

The innovation of using several low energy EC fans in the cabinet allows for a less restricted construction and a reduction of annual operating costs, whilst at the same time allowing for the use of the 110 mm HEPA filter, equating to a 50 % longer filter life.

- Low energy consumption result in less heat transmission to the work chamber and to the laboratory contributing significantly to a reduction of overall energy costs.



Annual energy savings when comparing Fortuna Clean Bench 1200 to competitor C				
	Power consumption/W	Energy consumption/kWh**	Costs in EUR/year***	Costs/15 years****
Competitor C	370	651	202	3.028
Fortuna 1200	92	162	50	753
Reduction of overall energy costs			75 % saving EUR 2.275	

* When equipped with LED light

** When in use 8 hours per day, 220 days of year.

*** Based on the Danish average kWh price of EUR 0,31 / kWh. Source: <http://www.vivaenergi.dk>.

**** Comparison based on 15 years' life as it is the standard average lifetime for BSC.

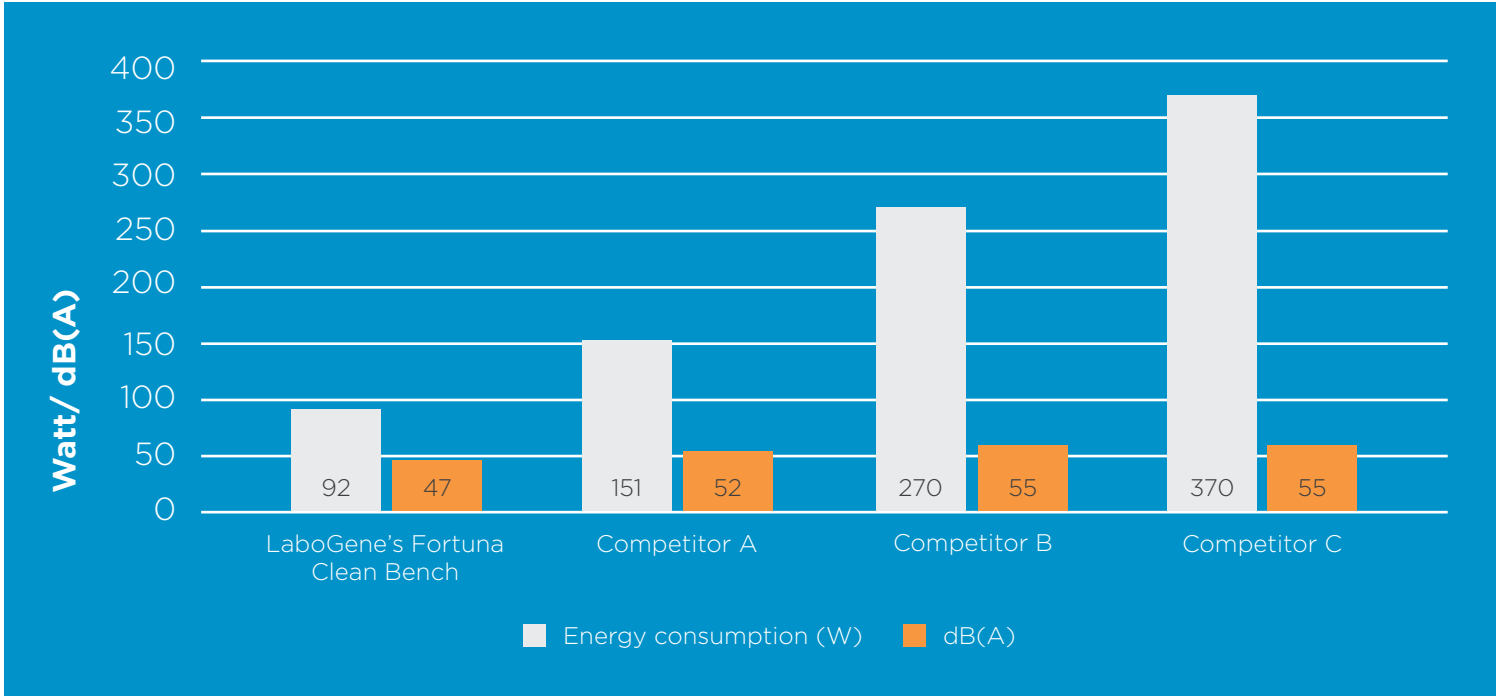
According to the Danish National Institute of Occupational Health, noise effects efficiency by reducing concentration levels and increasing absenteeism. Extraneous noise in laboratories is much higher than in the average working environment. To help counteract this, we at LaboGene work hard in developing low-noise, highly efficient biosafety cabinets, where we take full advantage of the latest innovative energy-efficient fans and optimized air flows.

Do you need a new clean cabinet but is in doubt of which to choose?

Save up to 75 % in operating costs when comparing LaboGene's new Fortuna Clean Bench 1200 to the clean cabinets from competitor A, B and C in the industry.

Power consumption & noise level at factory settings according to EN 12469 / EN 11201

Power consumption and noise levels for various equivalent cabinets compared to the LaboGene Class 2 Mars Cabinet 1200 mm.



At LaboGene we focus on four benefits that are built-in as standard features of our safety cabinets:

- Operator & Environment Safety.
- Ergonomic Design.
- Energy Efficiency.
- Noise Reduction.

By concentrating on all these aspects, we have created optimal solutions for customers that strive to create the best working environment for their employees, whilst increasing efficiency, improving safety and leaving a "greener- footprint".

APPLICATIONS

The Fortuna cabinet's versatility of design and construction allows for adaptability and use in many applications and procedures, whilst ensuring total product protection.

These include:

- Work with non-hazardous materials where clean, particle-free air quality is required.
- A built-in UV light positioned at the front of the cabinet, enables the cabinet to be suitable for PCR applications.
- Servicing of microelectronics and sensitive instruments by installing an ULPA filter.

Other applications for the Fortuna Clean Bench include many microbiology applications, plant tissue culture, media plate preparation, electronics inspection, medical device assembly and pharmacy drug preparation.

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

To find your local distributor visit www.labogene.com



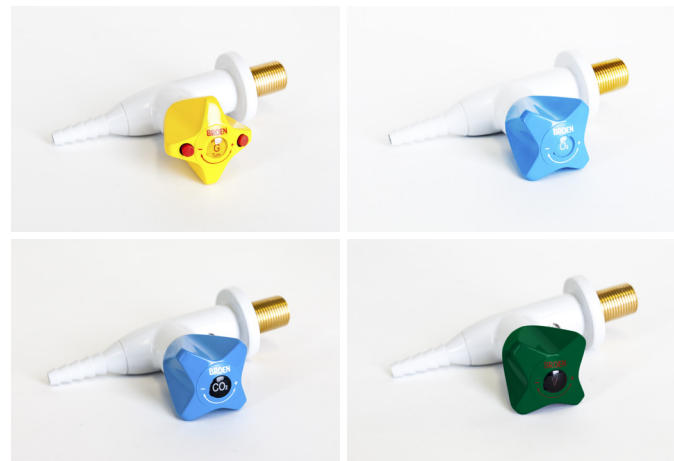
WE HAVE THE FORTUNA
CLEAN BENCH SUITED
FOR YOUR APPLICATION ...
WHATEVER YOUR NEEDS!

Meeting your **SPECIFIC NEEDS**

FORTUNA CLEAN BENCH RANGE OF OPTIONS

We offer a range of options to tailor the Fortuna Clean Bench 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 above 2 meters the cabinets offer full operational performance in rooms with low ceilings, even when fitted with the electrical elevation support stand.



- The Fortuna Clean Bench is as standard manufactured with three holes in both side windows for easy mounting of valves
- Different valves are supplied: Gas, vacuum, carbon dioxide, nitrogen, pressurised air, oxygen, water etc.



- 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.



- 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.



- An UV light for decontamination of the work surfaces or for deactivating DNA, can be fitted in the interior of the work chamber.

**Make your own
configuration...**

Try the online configurator!

Check it at
www.LaboGene.com

Looking for something else?

Numerous other options are available, ranging from ULPA filters, built-in sinks, heat plate zone system, USB ports for PC connection, the interior in AISI 316 instead of AISI 304, LED light, mounting of microscope etc. Contact your dealer for further information.

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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

Learn more at www.labogene.com



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