

INCREASE YOUR LAB EFFICIENCY

Titan
Small Portable Vertical Laminar
Flow Clean Air Cabinets

Scandinavian by Design



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LABOGENE

Compact Clean Air cabinets for the ultimate in product protection



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

TITAN

Titan are a series of compact individual Clean Air work stations, 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 Titan series are vertical laminar flow “mini” cabinets that offer security and sterility, which eliminates the risk of contamination of your samples and avoidance of any cross contamination whilst working.

The air enters the sterile cabinet from the top of the chamber passing through a pre-filter prior to the main HEPA filter to provide true laminar down flow,

which ensures ultimate product protection. The air flow thereafter exits 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 Titan cabinets, the ideal choice for your laboratory, wherever full security, sterility and practicality are required. PCR, cell culture, microbiology applications, microprocessor manufacturing, plant tissue culture, micro-electronics assembly and optics servicing, are just some examples of installations of the Titan cabinets.

Distributors **WORLDWIDE**

With more than forty years of experience in the design, manufacture and service of lab equipment, LaboGene strives to make a positive contribution to the scientific community all over the world. We provide equipment of innovative design, superb construction and unsurpassed reliability, while employing energy saving and environmentally friendly components.

In cooperation with our local distributors, we have a worldwide dealer and distribution network that makes it possible for us to provide our customers with top-quality equipment delivered on time, backed up with good technical service for the equipment's lifetime.

Our distributors offer complete support, service and consultation

For more information and to find your local distributor visit www.labogene.com

Your local LaboGene distributor



TITAN'S

FEATURES & BENEFITS

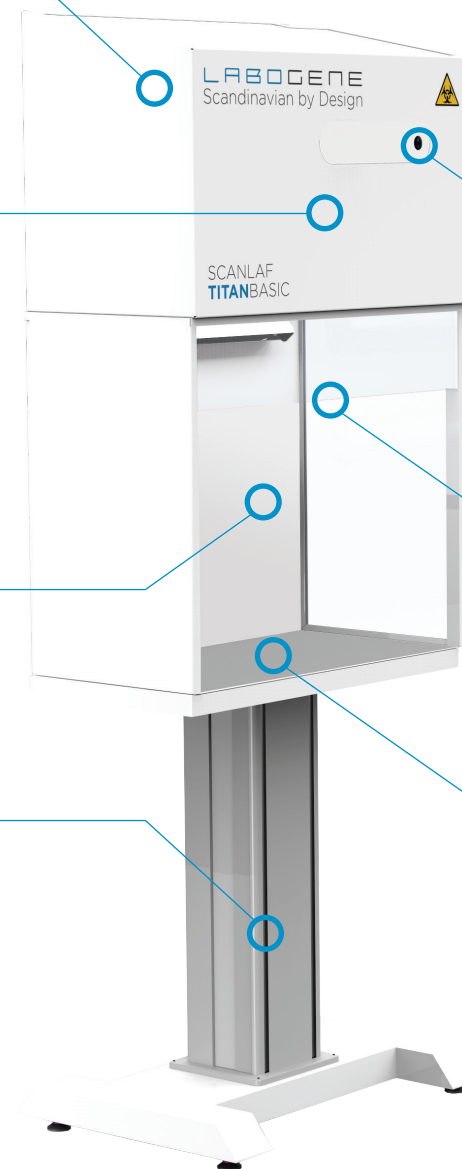
The Titan series consist of Titan and Titan PCR allowing portability, adaptability and use in many applications and procedures, whilst ensuring total product protection.

Energy-efficient EC fan

All service functions are performed from the front of the cabinet

Portability with ease of positioning and compactly constructed taking only 630 mm of bench space

Optional electrical operated elevation stand



Switch on/off button

High fixed work opening of 400 mm

Easy cleaning and disinfection

Optimal operator comfort

- Glare-free lighting provides a comfortable, stress-free working environment.
- Easy access with a work opening of 400 mm 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. The Titan only takes 630 mm of bench space.

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.
- Unique laminator/diffuser technology giving turbulent-free air flow, protecting your samples against particle contamination.
- Easy cleaning and disinfection of all surfaces.
- Angled pre-filter for easy inspection and filter exchange.
- Easy maintenance, with all service functions being 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.
- Down flow air speed can be fixed or adjustable from 0 to 0.6 m/s to suit your procedures. The standard setting is 0.28 m/s.

Energy saving benefits

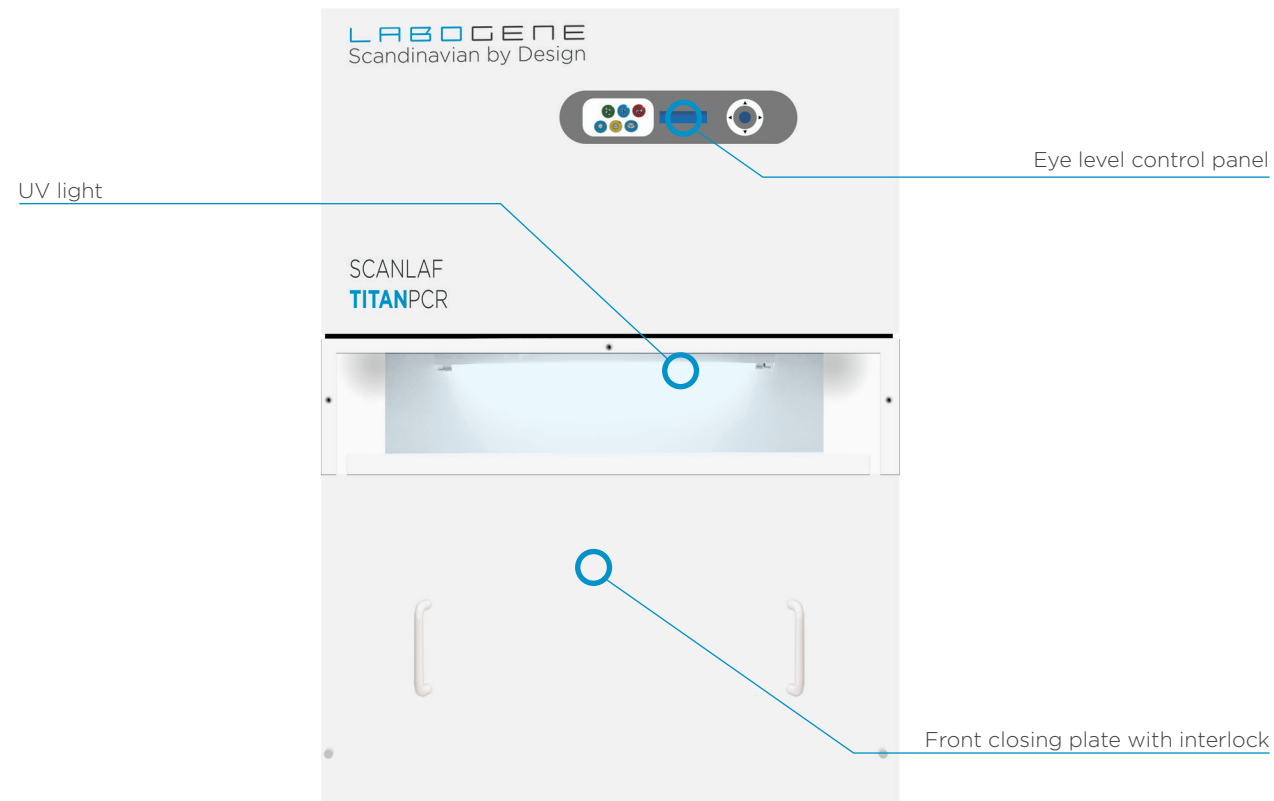
- Latest energy-efficient EC fan ensuring low energy consumption of less than 0.2 Amp. Saving up to 85% of energy compared to the old AC fans.
- Annual operating costs are reduced due to the low energy fan, which allows for the use of the HEPA filters with a depth of 110 mm, giving a 50% longer filter 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 which allows operation at reduced speed when unattended, maintaining the cabinet's integrity. Full operation is initiated when the operator inserts his hands into the working aperture.

TITAN PCR OFFERS ADDITIONAL FEATURES & BENEFITS

- The integrated control panel with LCD display is conveniently positioned for easy viewing and operation. Incorporating easy programming with functions for operating time, lighting adjustments, exhaust and down flow air alarms, correct window position, ensuring optimal performance and safety characteristics at all times.
- UV light control with timer and delay function.
- Front closing plate with interlock, protects against UV exposure.

Laminar airflow with sterile air eliminates the risk of cross-contamination whilst working, ensuring no contamination of the chamber, thus allowing the UV light to work efficiently being directed closely towards the work table. The Titan PCR ensures deactivation of RNA/DNA contaminants within a few minutes to guarantee a more effective operation for you. The cabinet provides the safest and most reliable way to achieve consistent results during your daily PCR procedures.

The combination of UV-light and sterile air together with an easy to clean chamber in stainless steel, large work opening and optimal operator comfort make Titan PCR the best choice for your laboratory.



TRUE VERTICAL LAMINAR FLOW
CABINETS WHICH INCORPORATES
THE BEST IN STERILITY & PORTABILITY
TO SUIT YOUR REQUIREMENTS!



Meeting your **SPECIFIC NEEDS**

TITAN RANGE OF OPTIONS

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

- An electrically operated elevation stand 700-1000 mm, ergonomically correct for operator posture, for either a sitting or standing position whilst working.
- A minihelic indicator can be mounted on the rear wall for guidance of safety.
- Signals for an external extraction system including potential free contact and a 3-sensor option, with

pressure switch fitted, for indicating insufficient pressure drop in the exhaust duct. Thus giving the operator maximum safety conditions at all times.

- A pressostat for measuring pressure drop over the HEPA filter.

Other options are available such as 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.



Need a
customised solution?
For more information visit:
www.labogene.com

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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



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