



– We are developing innovations that have not been seen before, points out Finn Kokholm, managing director at ScanLaf A/S. Here, he is standing next to an almost completed safety cabinet in the company's assembly building

Some of the world's biggest medical companies have chosen to purchase safety cabinets – so-called biological safety class II cabinets – from ScanLaf A/S.

These companies include:

AstraZeneca
GlaxoSmithKline
Merck
Novo Nordisk
Novozymes
Schering-Plough

hours, it is hugely important that the work light is correctly adjusted and shadows are eliminated. This enhances the working environment, and the better the operator comfort, the safer the operator, says Finn Kokholm.

Made in Denmark

ScanLaf even has the individual components manufactured by Danish subcontractors, and each individual safety cabinet is assembled and tested at the company's production facilities in Lyngø.

In spite of the revolutionary technology, the prices are unlikely to cause a revolt, as they actually compare very favourable with traditionally produced safety cabinets.

The world's most flexible cabinets

ScanLaf can count some of the world's most powerful medical companies among its customers, and this is mainly due to the unprecedented flexibility their technology provides.

Whether the emphasis is on airflow speed, inflow or accessories, this can be adapted to customers' existing systems and work methods.

Of course success has not come cheap, but Finn Kokholm is in no doubt whatsoever that all the investment and efforts have been worthwhile.

– Our business philosophy is to provide customers with exactly the product they need at exactly the time they need it, says ScanLaf's managing director.

Filters with a long working life

To fit in with the overall concept, ScanLaf has equipped its safety cabinets with extra-powerful HEPA filters. This has many advantages.

To begin with, the filter has a 50% longer working life than traditional HEPA filters under the same conditions. Moreover more powerful filters mean the fan motors work at optimum speed and durability is considerably increased.

Approved in accordance with the most rigorous European standards

All ScanLaf's safety cabinets are TÜV-approved in accordance with EN 12469. TÜV testing ensures that the cabinets are produced in accordance with the requirements of the approved standard and that the company is continually looking to update its procedures.

– The most effective safety feature is still the annual service check which we offer all our customers, concludes Finn Kokholm.

CUSTOMISED SAFETY CABINETS SAVE ENERGY

ScanLaf today produces as standard safety cabinets that are not only adapted to individual requirements, but also save 75% on the electricity bill

By Michael Fahlgren

Although ScanLaf was established three years ago, it is a company with considerable experience behind it, and employees whose skills have been honed over many years. The company was formed out of Heto-Holten A/S, which for more than 35 years was synonymous throughout the world with outstanding laboratory equipment.

Customer-driven development

All ScanLaf's safety cabinets (included in class II) are assembled by hand according to specifications from the individual customer. This means that the company today has considerable expertise and employees are often asked for advice when a medical company or laboratory is faced with a challenge they haven't encountered before in the field of laminar flow, vacuum systems or cooling/freezing drying.

– We have come a long way through innovation and development, and our products are very advanced and safe. Safety is one of our prime concerns and fortunately is also very highly valued by our customers, explains Finn Kokholm, managing director at ScanLaf A/S.

Digital technology creates added value for customers

There are many different manufacturers of safety cabinets, but only one manufacturer of safety cabinets employing digital technology. Digital technology has a number of advantages that immediately give added value to the customer.

Controlling ventilation digitally is a much more efficient method of control, reducing electricity consumption by more than 75%. This also means that the heat output is much lower.

And because the heat output is lower, the temperature increase within the safety cabinet itself is considerably reduced. The temperature in traditional safety cabinets typically rises by 2-5 degrees over the course of a working day, whereas the use of digital technology reduces the temperature increase to a maximum of 1 degree. This means that evaporation from the samples being processed is much reduced and that test results are therefore more precise and coherent over the working day.

At the same time the noise level is drastically reduced.

Proprietary technology

The digital technologies ScanLaf is working with today did not exist when the company was founded in 2005. The company has developed both the technology and the accompanying fans itself from scratch.

– With energy prices being what they are, and the expectation that they will continue to rise, investment in our safety cabinets with digital fans will very quickly pay for itself. At the same time, laboratory analysis will be more coherent and precise, thereby considerably reducing the need for back-up sampling, explains Finn Kokholm.

New lamp technology is improving safety in the working environment

Thanks to a newly developed lamination technology, it is possible to integrate lighting into the safety cabinet itself. And with the light source optimally situated above the workstation, we also get a more diffuse and improved distribution of air.

– If you're sitting at a safety cabinet for several