



Health care and life sciences

Responsible solutions for man, nature and processes.

SAUTER is a leading company in the control of **critical environments** and can increase cost-effectiveness.

Know-how with comprehensive expertise in building management.

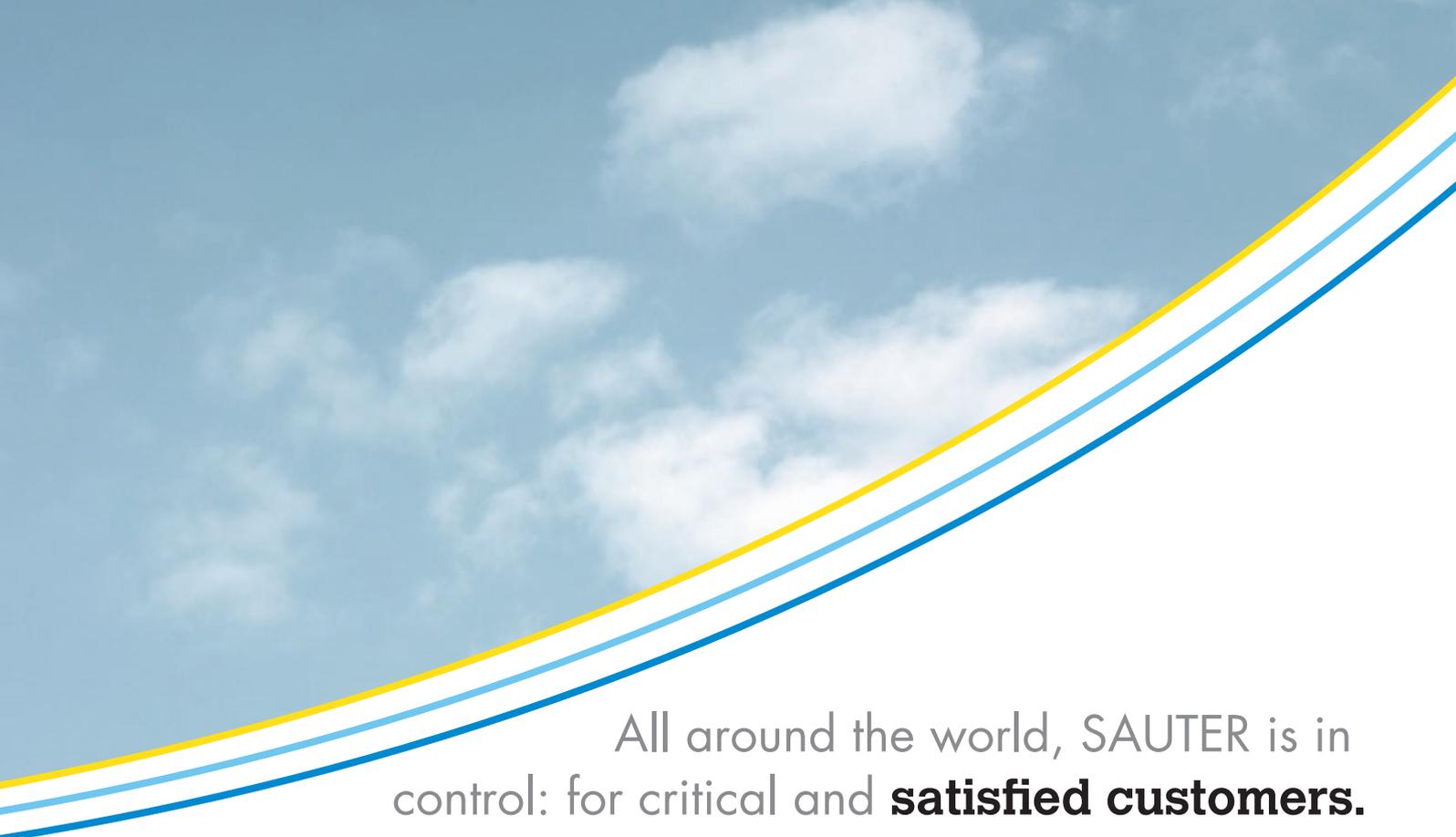
For years, SAUTER has been recognised all over the world as the proven specialist for the control of sensitive rooms, whether in the pharmaceutical industry, universities, research institutes or hospitals. It is not just its experience with clean rooms and laboratories that makes it essential to select SAUTER as your project partner. Just as vital is its overall problem-solving expertise in building management, right down to the smallest individual component.

Electronic and pneumatic solutions for the highest possible standards.

In clean rooms and laboratories, strict guidelines must be observed when it comes to air-conditioning. In this respect, a solution specific to the respective application is particularly essential. The pneumatic solution from SAUTER for precisely maintaining the room pressure has yet to be beaten. However, electronic systems cover the majority of applications and have the advantage of their networking capability.

Safety, cost-effectiveness and conformity with standards.

Integral planning with SAUTER enables our customers to implement their systems not only safely, but also rapidly and cost-effectively. Once in operation, they are economical to run, too. The optimal combination of hardware and software systems guarantees efficient project handling, even if the system has to meet GMP and FDA standards. Here, experience is just as important as the fact that the components that are so vital for maintaining quality levels are manufactured by SAUTER itself. This results in reliable, cost-effective solutions.



All around the world, SAUTER is in control: for critical and **satisfied customers.**

Security and energy efficiency from the specialists.

Our customers from the pharmaceutical and research sectors around the world expect customised solutions with the maximum possible reliability and optimised energy consumption. The requirements involved are extensive: from fume cupboard control, the pressure regulation of laboratories and clean rooms to the ventilation of areas with the potential for explosions. From operating, supervisory and monitoring functions to the integration of critical environments into the overall building management system. It makes sense to plan and implement construction projects of this nature completely with SAUTER. Because only in this way is it always guaranteed to be possible to consider all safety aspects and energy efficiency – for the future of mankind and the natural world.

A selection of our references – ‘blue chip’ companies from the pharmaceutical industry.

AstraZeneca, Södertälje-Järtuna, Sweden

Aventis Sanofil, Frankfurt, Germany

Bayer, Leverkusen, Germany

BFARM (German Federal Institute for Drugs and Medical Devices), Bonn, Germany

Cadila Healthcare, Ahmedabad, India

Carbogene, Aarau, Switzerland

Chiesi Farmaceutici S.p.A., Parma, Italy

Cinfa Laboratories, Huarte, Spain

Infarzam Zambon Group, Switzerland

Trondheim Hospital, Norway

Norsk Hydropharma, Porsgrunn, Norway

Novartis, Bangladesh

Novartis, Basle, Switzerland

Pfizer Formulation, Mumbai, India

Pharmacia, Sant Cugat, Spain

Pharmacia, Uppsala, Sweden

Roche, Basle, Switzerland

Roche, Penzberg, Germany

Roche SHIP Project, Shanghai, China

Sandoz Pharmaceuticals GmbH,
Gerlingen, Germany

Vascera Polio Project, Cairo, Egypt

and many more

The right solution for complex room requirements: electronic or pneumatic.

Application and advantages of SAUTER's electronic systems.

These days, electronic controllers are the normal solution for clean rooms, laboratories and fume cupboards. There are many reasons:

- The accuracy of room pressure consistency of ± 5 Pa that can be achieved with electronic controllers, and the settling time of a maximum of 1.5 seconds after opening and closing a door, cover the vast range of requirements.
- Interface-free integration into building management systems.
- System project planning takes place using standardised solutions with software tools as a basis.
- Parameterisation and installation are relatively easy.
- Monitoring, maintenance and project-specific adaptations require little time and effort.



The ASV115 for clean rooms with positive- or negative-pressure control

Application and advantages of SAUTER's pneumatic system.

SAUTER's pneumatic system, which is without competition, is used mainly in special leak-proof rooms and in applications where constant pressure is very important. Because:

- The pneumatics have a direct effect on and through the medium of air, so that a room pressure consistency of ± 1.5 Pa and a settling time of 7 to 10 seconds after opening and closing a door can be achieved.
- The high control accuracy enables pressure stages of 6 Pa compared with adjacent rooms and without the danger of cross-contamination.
- No particular attention has to be paid to the pressure stages during execution of the building work.
- The pneumatic system from SAUTER is adaptable, robust and offers unrivalled reliability.
- ATEX-certified components enable safe use, even in zones where there is a risk of explosions.



RLP100F003:
air-volume controller,
1...160 Pa, dV adjuster



SAUTER technologies for life sciences: with a cross-project **partnership.**

Partnership during planning and implementation.

In the case of clean rooms or laboratories, it is important, in the interests of safety and efficiency, to involve the system specialists in the project team in the early stages of planning. SAUTER's experience with all application standards and the associated system configurations simplifies the planning and implementation of demand-orientated systems that support users in their day-to-day work.

Partnership during installation and commissioning.

SAUTER technology in clean room and laboratory systems, plus the corresponding project planning tools, make it possible to set everything up very quickly. In the case of electronic systems, the defined application is downloaded onto the system components from a PC, after which the system is tested immediately and can then be quickly put into operation. This saves on costs and reduces downtime.

Partnership during use and maintenance.

SAUTER's holistic approach embraces the entire life cycle of an installation. Therefore, during the development of systems and components, as well as during project planning for the customer, attention is also paid to user-friendly operation and the easiest possible maintenance.

Partnership when integrating clean rooms into the building management system.

Clean rooms, laboratory rooms and fume cupboards cannot and should not be regarded in isolation. Their control is invariably part of an overall building management system, irrespective of whether they are controlled electronically or pneumatically. As a specialist, SAUTER can guarantee the interface-free integration of the sub-system into the overall system.



Systems

Components

Services

Facility Management

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