Media Release

SAUTER
Creating Sustainable Environments.

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SAUTER ASV115: Compact solution for complex HVAC requirements in the chemical and pharmaceutical industries

The new ASV115 volume flow controller represents the perfect synthesis of hardware and software. The sensor, controller and drive are all in a single unit, ensuring levels of control quality and energy efficiency never before seen. Thanks to PC-based device parameterisation, the unit is very easy to set up.

Controls in clean rooms, laboratories and hospitals are the subject of strict guidelines. And they always form part of a master building management system, irrespective of whether they are run pneumatically or electronically. As specialists in the interface-free integration of sub-systems into complete installations, SAUTER has already been setting new building automation standards in „critical environments" for many years.

With its ASV115 VAV compact drive, SAUTER has succeeded in developing a high-performance, yet simple solution for clean room, laboratory and fume cupboard applications. This controller responds in an optimal manner to questions that have remained unsolved up to now, and in terms of energy efficiency and total cost of ownership, it is clearly way ahead of standard products. For example, in the event of a night set-back, up to 10% lower volume-flows can be controlled precisely. This noticeably reduces energy costs.

Three into one

The control of room pressure, laboratories and fume cupboards demands fast, stable control loops in order to be able to satisfy the stringent requirements of the pharmaceutical industry and R&D, as well as to fulfil statutory regulations. Whilst the volume flow controller and fast damper drive system components have up to now been offered and had to be fitted at extra cost as separate units, the SAUTER ASV115 offers significant simplification and a reduction in costs: the pressure sensor, which is not dependent on location, flexible volume flow controller and highly efficient fast drive form a single unit.

As the three components are optimally matched to one another, in the case of electronic solutions, the SAUTER ASV115 achieves a level of performance that has been unknown up to now. With the integrated spring lock coupling and electronic torque limiter, the ASV115 lasts considerably longer than previous fast damper drives, even when operating at full load. It therefore reduces service costs and increases the availability of the installation.

Parameterisation at the touch of a button

Device parameterisation has also become child's play where the SAUTER ASV115 is concerned. The three components are synchronised with one another with the user-friendly CASE VAV software via bus communication. This results in faster commissioning, which in turn results in lower costs. Furthermore, information such as project data, installation position or commissioning procedures can be stored in the device with the program, irrespective of the country of operation.

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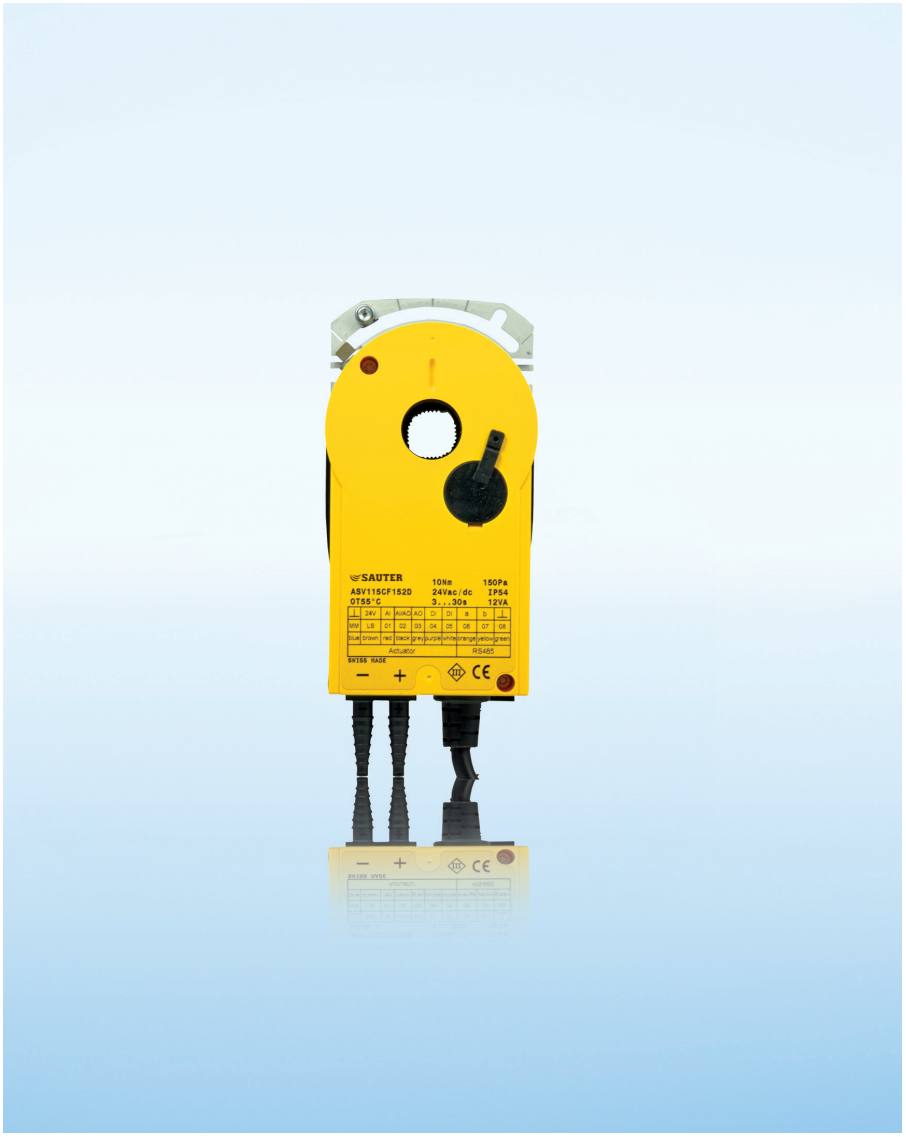
Additional texts and images refer to: www.sauter-controls.com/media

Because both the finished device and the sensor and PCB sub-assemblies are provided with a unique serial number during production, production data is traceable for each individual unit. A perfect basis for the calibration certificates that are so frequently required in pharmaceutical applications. As a further benefit, the device can be flexibly integrated as an individual solution or as components integrated into a system, for example in combination with laboratory fume cupboard control and monitoring components, or into the SAUTER EY-modulo system family.



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