

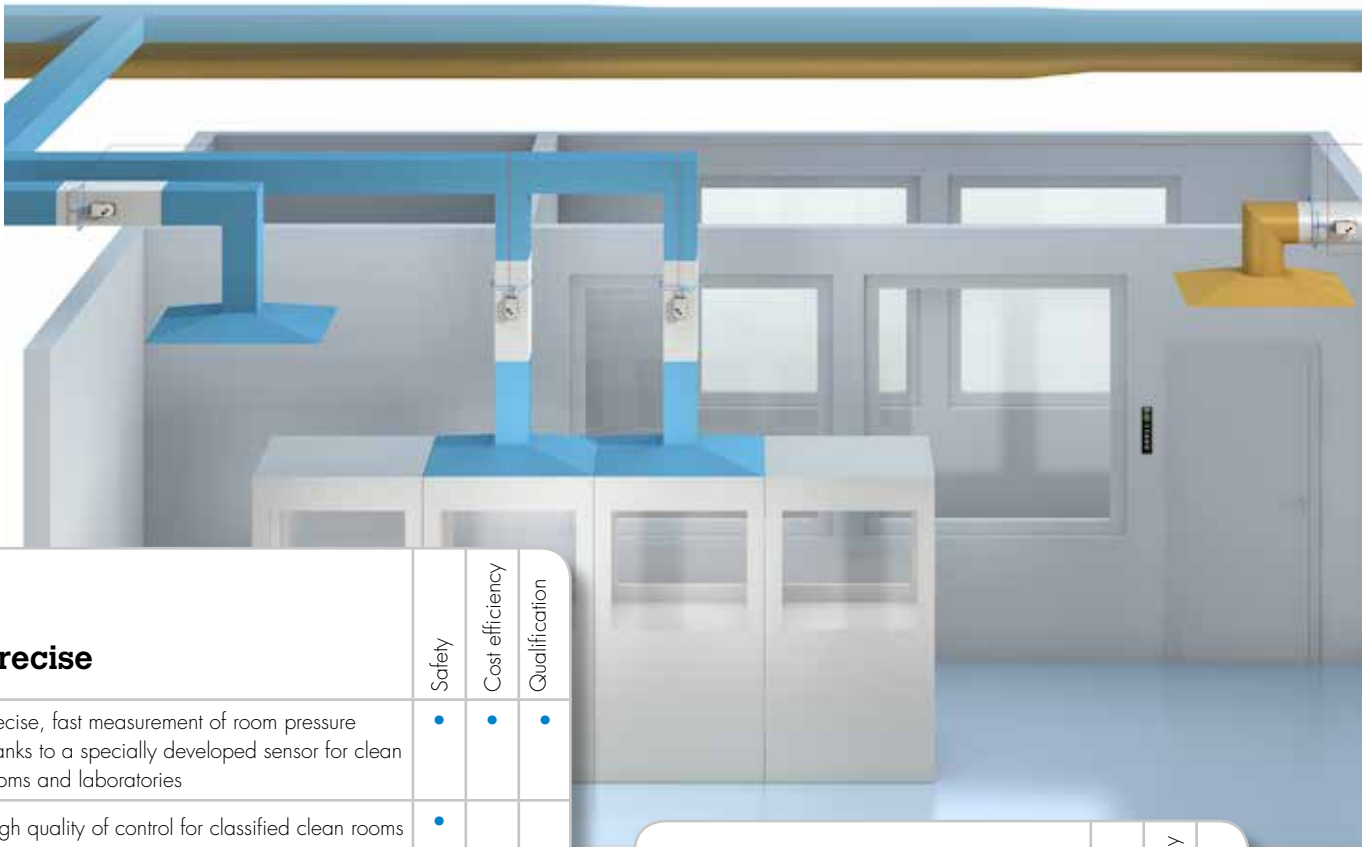


Integrated compact solution for clean rooms.

SAUTER EGP 100 + ASV 215 + FCCP 200

Precise. Compact. Autonomous.

The optimal combination for room-pressure control in clean rooms.



| Precise | Safety | Cost efficiency | Qualification |
|--|--------|-----------------|---------------|
| Precise, fast measurement of room pressure thanks to a specially developed sensor for clean rooms and laboratories | • | • | • |
| High quality of control for classified clean rooms | • | | |
| Fast stabilisation of room pressure fluctuations | • | • | |

| Compact | Safety | Cost efficiency | Qualification |
|---|--------|-----------------|---------------|
| Centralisation of volume-flow and room-pressure control in VAV controller | • | | |
| Space-saving, easy to fit solution | | • | • |

| Autonomous | Safety | Cost efficiency | Qualification |
|---|--------|-----------------|---------------|
| Maintains a defined air change rate and room pressure in the room without additional components | • | | |
| For the application of optimised control models and parameters | • | | • |
| Direct visualisation and recording of the relevant data points for start-up or service using the software tool. | | | • |

SAUTER sets **new standards**
for pressure control in clean rooms.

Clean rooms in the pharmaceutical industry, hospitals and research and development institutes are subject to strict legal specifications with regard to the room-pressure stability. Inadequate or malfunctioning control of the supply and return air not only causes critical situations in clean room operation, but also jeopardises the quality of the product.



The innovation.

Based on its comprehensive know-how in the area of critical environments, SAUTER has designed an integrated compact solution for room-pressure control, monitoring and signalisation in clean rooms. Thanks to the combination of the high-precision SAUTER EGP 100 room-pressure transmitter and a room-pressure control loop integrated into the SAUTER ASV 215, all the ventilation and differential pressure requirements can be fulfilled to exactly. In addition, the monitoring unit FCCP 200 suitable for clean rooms signals limit values violations.

High precision and reliability.

Thanks to innovative control algorithms and precise positioning of the damper actuator, this integrated compact solution from SAUTER ensures ultra-precise control and stable control quality in sealed clean rooms, air-locks and antechambers. Pressure stages to avoid cross contamination are adhered to reliably and safely. In its own Life Science development and test centre, SAUTER is continually optimising its solutions. Additionally, the tried and tested technology of both components gives you planning security, and starting up using SAUTER software tools helps you to save time and money.

- No risk of cross contamination thanks to stable room-pressure control in clean rooms with high air change rates
- Maximum operating continuity by adhering to pressure stages
- More planning security due to established technology and innovative control concepts
- High level of protection for products and personnel thanks to optimal containment

Safety



- Less fitting work required as four tasks are performed by only two components (in the measuring and controlling area)
- Efficient commissioning and servicing with software-supported parameter setting

Cost efficiency







- Reduced testing work required thanks to autonomous room-pressure control system
- Documented proof that the set parameters are working correctly with the logging and monitoring function (via SAUTER software tool)

Qualification



Product portfolio and accessories

| | Type | Torque | Measuring range | Display | Running time | Configurable |
|---|-----------------------------------|--------|-----------------|---------|--------------|--------------|
|  | Volume flow controller | | | | | |
| | ASV215BF152D | 10 Nm | 0...150 Pa | | 3 ... 15 s | CASE VAV |
| | ASV215BF152E | 10 Nm | 0...300 Pa | | 3 ... 15 s | CASE VAV |
|  | Differential pressure transmitter | | | | | |
| | EGP 100 F111 | | +/- 75 Pa | • | | |
| | EGP 100 F112 | | +/- 75 Pa | • | | CASE Sensors |
| | EGP 100 F211 | | +/- 150 Pa | • | | |
| | EGP 100 F212 | | +/- 150 Pa | • | | CASE Sensors |
|  | Indicating and operating unit | | | | | |
| | FCCP200F010 | | | • | | CASE VAV |
|  | Reference pressure container | | | | | |
| | 0297867 001 | | | | | |