

Compressed air energy efficiency audit GFAA



Tracking down
energy-saving
potential!

Reducing CO₂ emissions

Highlights

- Savings of up to 60% possible
- On-site analysis of the complete compressed air system
- Uncovering weak points
- Recommending improvement measures
- Energy management according to ISO 50001
- TÜV certified audit

You want to use compressed air more efficiently and reduce CO₂ emissions, but don't know the weak points in the compressed air system? Then you should start with the TÜV-certified compressed air energy efficiency audit according to ISO 11011 and save up to 60% on operating costs!

Comprehensive audit

The Festo auditors examine the complete compressed air system, from the compressed air generation and utilisation of the compressors to the compressed air preparation, quality and the compressed air network. In addition, they carry out a representative leakage detection test on selected pneumatic systems, check the pneumatic efficiency and evaluate the potential savings. To complete the audit package, the experts draw up a concept for a monitoring system.

Detailed documentation

The final report of the audit can be used for energy management in accordance with ISO 50001. Both the analysis data and the CO₂ emission values of the compressed air system are shown. You can use this data for your sustainability report, for example according to the GRI or GHG protocol.

High savings potential

Operating costs for pneumatic systems can be reduced by up to 60% if you put into practice the results and analyses of the Compressed air energy efficiency audit by Festo.

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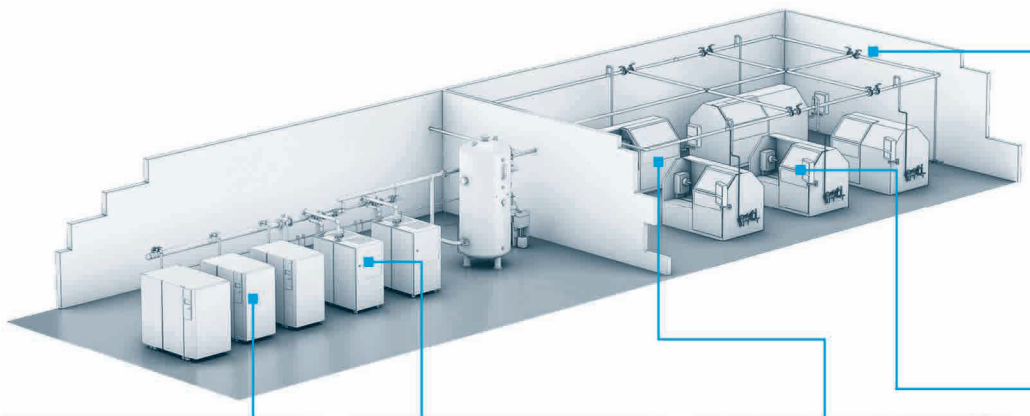
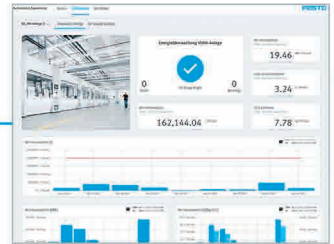
An audit in five steps: this is how the entire compressed air system is put to the test

In the first three steps, the energy efficiency experts from Festo analyse the compressed air generation, compressed air preparation and compressed air

distribution of the complete system. Then they turn their attention to the pneumatic applications, i.e. the machines and systems themselves. They analyse

the energy efficiency of these machines and systems and detect any leaks. In the fifth and final step, the specialists develop a concept for a compressed air

monitoring system with which you can permanently monitor the energy status and that can be supported by artificial intelligence at your request.



Concept for a compressed air monitoring system

This makes energy status, flow, pressure and humidity transparent in real time!



Analysis of the compressed air generation

Manufacturer-independent analysis during operation of the energy consumption and reserve capacity the compressors as well as the overall leakage level in the production plant.



Analysis of the compressed air preparation

Additional measurement of the compressed air quality. The goal: to increase the service life of the pneumatic components and avoid machine breakdowns.



Analysis of the compressed air distribution

Measurement of the pressure drop for reliable processes and reduced costs. This is to ensure a constant pressure level, in the best case even when the pressure level is reduced.



Analysis of pneumatic applications

Checking whether drives, valves and tubing are optimally sized, and whether blowing and vacuum applications as well as installation and control concepts are efficiently designed. Detection and documentation of leaks as the most important efficiency measure

Link to the compressed air energy efficiency audit: www.festo.com/gfaa

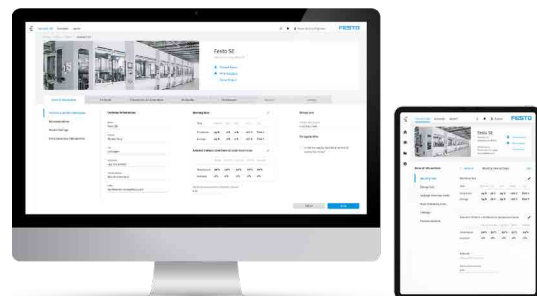
Always in the know with the Festo Energy Saving Services Portal

This web-based online portal with mobile app makes all measurement results and analysis data of the audit globally available in real time, with user-defined access rights. The recommended actions, ranked in order of priority, are also described on the portal. This enables you to optimise

the compressed air energy efficiency and realise potential savings. You will also find the spare parts required for optimisation on the portal, which you can order directly online with one click.

In addition to the audit, the specialists from Festo can also replace faulty parts such as

tubing, screw connections, cylinders and valves at your request.



Link to the Energy Saving Services Portal: <https://energysavingservices.festo.com>

www.festo.com