

LABORATORY AIR: SAFETY, EFFICIENCY AND COMFORT WITH TROX

Whether in the field of chemistry, pharmacy, biology or medicine: in laboratories, people work with a wide variety of contaminants and organisms and therefore are often exposed to increased hazards.

Working with different equipment creates heat loads and a high energy input. Due to this, the **demand on room air conditioning is increased:**

- **Highest safety standards** have priority, particularly in laboratories, as the protection of people must be the focus. Dealing with pollutants, chemicals and organisms makes frequent air exchange essential. To ensure safety in laboratories, standards and legal regulations must be observed; these standards and regulations may differ depending on the type of laboratory and country of location. [More on safety standards in the laboratory](#)
- **Sustainability and efficiency:** The complex ventilation technology results in high energy costs. In addition to a high air exchange rate, the use of laboratory equipment generates heat loads that make it necessary to cool the laboratory spaces. Intelligent systems that are perfectly adapted to the respective laboratory conditions can significantly reduce energy consumption and, at the same time, ensure an optimum air supply. [More on efficiency and sustainability](#)
- **Thermal comfort for employees.** Thermal comfort and a pleasant indoor climate are challenges that can be mastered by intelligent air distribution and the choice of the right air terminal devices and control systems. [More on air distribution in laboratories](#)

ANY QUESTIONS?



WE WILL GLADLY ADVISE YOU.

Describe your specific needs to us or arrange a non-binding consultation.

Contact your TROX Specification Sales Team

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IN THE LABORATORY SECTOR



TROX REFERENCE PROJECTS

In the Laboratory sector

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