

FACTORY CAFETERIA EXTENSION **FRESH AIR FOR EMPLOYEES**



Ventilation system (total air volume 9,400 m³)



VENTAFLEX®

MORE EFFICIENCY FOR AIR DUCT SYSTEMS



Erweiterung einer Werkscafeteria in the automotive supply industry (air volume 2 x 4,700 m³)



A supplier to the automotive industry in the north of Germany extended the factory cafeteria attached to one of its production locations.

This allowed the company to further expand its catering services for the approximately 1,200 employees at its site.

A temperature-controlled supply air volume of 4,700 m³/h and the same volume of exhaust air ensure a pleasant indoor climate while taking account of energy and cost savings. This was the type of task for VENTAFLEX that the company likes solving.



The task

1. Construction of a ventilation system with a total air volume 9,400 m³ (4,700 m³ air supply and 4,700 m³ exhaust)
2. Installation of ventilation ducts on the existing roof structure
3. Execution as pre-insulated air duct system

The VENTAFLEX solution

- ▶ 1. Implementation with VENTAFLEX piping with a diameter of Ø 300 - 650 mm and a large number of special moulded parts.
- ▶ 2. The custom construction made optimum use of the roof space. This provided impressive evidence of the possibilities of the VENTAFLEX system custom adaptation.
- ▶ 3. The key factor for the planners was the time saving in installation and the reduced coordination effort since there

was no need for subsequent insulation

Ideal insulation properties, the significantly lower strains on the roof structure and the considerable savings in construction execution make the VENTAFLEX a sensible solution for the building project. This was what convinced Siegle & Epple GmbH & Co. KG, allowing the project to be jointly implemented.

Overview of benefits

- **Cost savings** with the materials
- **More installation options** due to the variety of designs
- **Savings in operating costs** (up to 40% less energy loss, up to 10% less pressure loss)
- **Lower installation costs** (up to 60% less installation time)
- **Up to 70% weight reduction** - important for structural
- **Rapid individual adaptation**



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Further references at www.ventaflex.de

