

# PRACTICE REPORT 44

Application examples for planners of complex construction projects



## Production hall with cleanroom technology

You can find more project examples under [www.ventaflex.de](http://www.ventaflex.de)



## Quality creates trust: VENTAFLEX® also equips extension building

Once more a north German company relies on proven technology for the transportation of 2 x 55,000 m<sup>3</sup>/h clean air to the production of plastic components

### Task

In case of issues like food, medicine or science, very special demands are placed on hygiene. However hygiene is not just demanded in the direct contact with food and patients, but also plays a big role in advance at the production of hygienic packaging, the sterile medicine- and laboratory supplies. The plastic products are produced in a hygienic strictly controlled environment to avoid any contamination beforehand.

A great responsibility for the technical equipment of the production halls, which VENTAFLEX® likes to confront itself with: with the conformity with VDI 6022 VENTAFLEX® air conduction are the ideal solution.

More arguments for the installation of VENTAFLEX® products in this project were the light weight and the light grey colouring of the components: Installed at 12 m height under the roof the system provides the ventilation of the factory halls as discreet as reliable.

### VENTAFLEX® solution

1. 4 RTL-units provide that air, which is strongly heated up by the working process, is transported. VENTAFLEX® air conduction fulfill the targets of at least tightness class D even under challenging conditions
2. Out of the great VENTAFLEX® range ducts with three different diameters were chosen and combined with each other - installed on about 400 m
3. Many component groups, cuttings and 70 custom made, individual components, requested by the customer, optimized the functionality and look of the system
4. A strictly monitored operations control guaranteed a smooth installation of the system, an on time commissioning and delivery of the single VENTAFLEX® components straightened out the construction site logistics



### Advantages due to the VENTAFLEX® system

- +** **Certified hygiene conformity** of the ducts according to VDI 6022
- +** **Individual adaption to the conditions** by customised production
- +** **Saving of time at installation** by planning and pre-installation
- +** **Discreet optics** by light grey colouring
- +** **Up to 70 % less weight** – important for statics and handling
- +** **Reduction of the operating costs** – up to 40 % less energy loss, up to 10 % less pressure loss and up to 99 % less leakage loss