

**BEVERAGE FACTORY WÖRTH AM RHEIN:
WELL DEFINED PROCESS AIR FOR THE COMPLETE PROCESS
CHAIN IN A SINGLE BOTTLING PLANT**



no. 33



Ventilation system (air volume total 430,000 m³)



VENTAFLEX®



MORE EFFICIENCY FOR AIR DUCT SYSTEMS



Beverage factory Wörth am Rhein: Ventilation system (air volume 5 x 60,000 m³, 3 x 30,000 m³, 2 x 20,000 m³ – total 430,000 m³)



The Pfälzer Erfrischungsgetränke GmbH (PEG) built a superlative beverage factory in the South Palatinate. Around 1.5 million cubic metres of water is processed each year. A total air volume of over 400,000 cubic metres per hour is to be moved at the factory. And not just somehow: For example the production of PET bottles, a precisely predetermined process air is imperative. And all this of course at an economic cost and taking into consideration the highest hygiene standards – quite a complicated project and clearly something for VENTAFLEX. Then even here the system offers clear benefits and refreshing possibilities.



The task

1. Installation of the system above a roof with low carrying capacity
2. Implementation of a high-quality and long-lasting ventilation system
3. Hygienic suitability
4. Cost savings with the total installation

The VENTAFLEX solution

- ▶ 1. The originally planned static could be significantly reduced since VENTAFLEX tubes weigh approximately 70% less than conventional spiral ducts
- ▶ 2. Simplified mounting system (concrete laundry slab, mounting system construction). Securing through the roof covering was not necessary
- ▶ 3. About 2,000 m² of VENTAFLEX tubing was installed spread across

10 ventilation strands with dimensions of Ø 370 - 1270 mm

The company Cofely (Karlsruhe branch), carried out a really convincing installation and is very pleased with the VENTAFLEX cooperation. From the initial drafting, up to the construction logistics everything work out just fine.

Overview of benefits

- **Costs 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 the structural engineering and handling
- **Rapid individual adaptations**



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Further references at www.ventaflex.de

