



REFERENCE

viledon®
filterCair

RÜGENWALDER MÜHLE PLACES ITS TRUST IN VILEDON FILTERCAIR

Rügenwalder Mühle is one of the best-known food manufacturers in Germany. The company is active in the food trade with sausage and meat specialties and a vegetarian and vegan product line. The wide range of food products results in individual requirements for the respective production process. This means that there needs to be strict separation between the individual product categories, for example the production of meat-containing products and that of meat-free products. For the preparation of vegetarian products, a completely separate area was set up with its own room air conditioning and access via its own hygiene sluice. Quality and hygiene are a priority throughout the manufacturing process.

The situation

Rügenwalder Mühle attaches great importance to the highest standards of hygiene, because this contributes significantly to the product safety and quality of food. Within the framework of quality management, the company's products are constantly inspected in accordance with the internationally recognised HACCP concept and meet the strict quality standards of the International Featured Standard Food (IFS) and the British Retail Consortium (BRC).

Even an already mature quality management concept needs to be permanently reviewed and continuously improved in order to streamline and optimize processes. This is where the Viledon® filterCair air quality management system from Freudenberg Filtration Technologies comes in, developed in

cooperation with Franz Gottwald GmbH + Co. KG as a trading partner for filter disposition and delivery.

The aim was and is to ensure stable, hygienically clean air quality for the process air of production plants and other clean room facilities so as to maintain strict hygiene requirements at a constant level. Even the slightest contamination of the air and potential product contamination needed to be excluded. It was also necessary to increase the service life of the filters used. This was to ensure economical and reliable plant operation. During audits, Freudenberg was to provide the technical management with detailed documentation of hygiene controls and other measurements.



The Viledon® solution

Within the framework of an individual service contract for filter management, Freudenberg Filtration Technologies offered a service package which primarily consists of:

- Coordination of filter replacement and installation
- Storage of filters and provision of logistics by Franz Gottwald GmbH + Co. KG
- Monitoring of supply and recirculation air systems by means of regular measurements
- Hygiene inspections and controls
- On-site technician from Freudenberg Filtration Technologies periodically in action; 24h hotline
- Customer satisfaction analyses
- Energy efficiency consulting and design
- Documentation of all activities

A multi-stage filter system is used to reliably filter particles and germs from the supply air. This includes Viledon® T60 pocket filters (filter class ISO ePM10 60%) in the prefilter stage and MaxiPleat MX98 cassette filters (filter class ISO ePM1 80%) in the second filter stage. In the sensitive clean room areas, the operator ensures sterility by means of UV sterilization.

With this combination of filters, it was possible to considerably increase the service life of the filters compared to the previous situation. From the start point of a previously annual filter change, the filters now only need to be replaced every 3 years on average. This makes the manufacturing process both safer and more economical.

Customer benefits

By using energy-efficient Viledon® filters, which are characterized by low average pressure drops, it is possible to save a great deal of electrical energy over the long term. Thanks to continuous monitoring, sudden shutdowns caused by blocked filters can be avoided.

The clean room acceptance measurements document and ensure the condition of the supply air at all times.



Illustration of a typical multi-stage ventilation system for supplying the production process zones with hygienically clean air.



OUR SERVICES



Monthly filter monitoring



Organization of filter replacement according to recommended final pressure drop



Free delivery of filter products



Scheduling and processing of filter orders



Keeping a list of all relevant filter systems



Gravimetric measurements; measurement of MAK values; measurement of air volume and air velocities in ducts and/or air outlets



Initial or repeat hygiene inspections and hygiene controls according to German standard VDI 6022-2018



Weak point analysis; identification of improvement and cost saving potentials



Digital documentation of all services and analyses



Support in creating illustrated work instructions

YOUR ADVANTAGE



Seamless verification of pressure drops of individual filter stages, filter replacement and system situation



Reduced organizational effort e.g. during works vacations; extension and utilization of filter service life



No additional costs



No time and effort for administration and personnel



Current status of filtration technology in the list of filter systems



Verification of workplace limits; identification of weak points; monitoring of setting parameters for a safe production process.



Guarantee of hygienically flawless plant operation in accordance with German standard VDI 6022



Detection of error sources and support during CIP process



Unbroken proof of service performance; 100% audit-compliant documentation



Ensuring correct filter installation; ISO/QS documentation



If you have any questions about our Viledon® filterCair service, feel free to contact us:



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We will be happy to advise you.

You can find detailed information about our Viledon® filterCair service at:



www.freudenberg-filter.com > World of Industrial > Food and Beverage > filterCair

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Image source for the title image and the Rügenwalder Mühle logo: Rügenwalder Mühle Carl Müller GmbH & Co. KG

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