

The press about Intensiv-Filter:
Article from the WAZ,
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A company with international reputation

When we talk about dust, we think, primarily, of house dust or particulate matter which are included as a particle in the air. The biggest portion in dust production comes from the industry. The lion's share of dust emissions originates from grinding, conveying, casting, transporting, drying, mixing. Environment protection laws and dust removal plants exist to prevent this. Such installations are built for over 90 years by the Velbert placed company Intensiv-Filter and are in use on all continents.

The list of dusts is long and ranges from explosive, toxic and carcinogenic solids to metals and pharmaceutical active substances. If the dust deflates from the stack, it is a danger for person, environment, machines and facilities. To prevent this environment protection laws and filtering installations exist.

Such filters are used to reduce dust issues with the cement production, by the steel processing, in the chemical industry or also in the production process of milk powder. There is almost no branch or procedure-technical process in which dust removal solutions of Intensiv-Filter from Langenberg are established.

The company took its beginnings with the company founder Theodor Hansen from Wuppertal who developed 1922 first filters for the mining industry. In 1930 his company moved to the area at the railway station in Langenberg. The demands for filtering installations became more and more differentiated with so many different production processes and dust removal products. There are filter though also from the pole, how



ever, must be tailored in many cases especially for the planned duties. The strictest demands for hygiene in the food industry require, for example, other equipment than the construction of the cement industry in the Ukraine which became a premise for the construction of the football stadiums for the European championship.

Growing environmental standards all over the world allow to expect that still a high order potential slumbers in the dust removal of industrial processes. An important reason to stick in spite of temporary insolvency to the participation at the worldwide biggest trade fair for chemical process technology „Achema“ in Frankfurt.

While on the one hand the insolvency trustee must protect the economic existence of the traditional company, the exhibition stand of Intensiv-Filter has been much frequented at the Achema. Also the development in the world economy is a guarantee for growth of the company: Thus the productions, which do not get by without filters, are built up above all in threshold countries like India or Brazil. China has a high potential due to its growing industrialisation. „In Mongolia e.g the environmental conditions are characterized by considerable air pollution. It is therefore necessary to deal

more and more detailed with the reduction of industrial dust emissions and an improvement of the air quality,“ says head of marketing Astrid Kögel.

With so much relevance of the traditional company from Langenberg, the present insolvency proceedings also have an important political dimension. „We wish the insolvency trustee a hot hand“, says Member of the NRW Parliament Volker Münchow. „Intensiv-Filter is a distinctive mark for creativity and international standing of the medium-sized economy in the Bergisch region.“



The company founder Theodor Hanse (2nd from right) in discussion with swedish engineers in Kiruna.

Service for fans



Fans for bag filters and gas cleaning installation must be designed, built and fitted in such a way, that they achieve the optimum degree of efficiency. The process-conditioned parameters are the basis for the choice of the right ventilating fan.

The demands to the ventilating fan are big. This is valid in particular for the impellers. We offer a ventilating fan service to extend the life span of an impeller and the stress of the mechanical components:

- Balancing of impellers and alignment of shaft trains
- Aerodynamical measurements
- Velocity measurement
- Noise and oscillation measurements

Beside the ventilating fan service we supply you also with suitable spare parts for your ventilating fan.

We also present you with pleasure some proposals for modernisations to improve the economic efficiency or also the performance of your ventilating fan. Because the power demand of a filtering installation results above all from the energy consumption of the engines which drive the main ventilating fan. The calculation programme „ProExpertise“ for bag filters analyses the right fine-tuning to lower the power demand. You find out closer information here:

<http://www.intensiv-filter.com/en/produktportfolio/proexpertise-berechnungsprogramm/>

Respirable dust - Charakterisation, reduction and cleaning



From September 12th to September 13th, 2012, everything rotates again at the VDI Technikforum around the compliance of limits with suitable cleaning processes. You learn at the forum:

- How you determine respirable dust and which measuring technology is practise-experienced
- Which limit values have to be kept from a working and environmental point of view
- How electrical separators and wet scrubbers operate and how they are used in practice
- Which method makes sense for which field of operation

In the first part of the forum necessary basics of the aerosol measuring technology are given for comprehension and practise-experienced procedures for measuring respirable dust are introduced. Relevant respirable dust limit values at working places and in the environment are described and juridical aspects on the subject „respirable dusts“ are presented.



In the second part of the forum the basics of respirable dust cleaning with depth filters, surface filters, electrostatic precipitators and wet scrubbers are understandably presented in the necessary depth. To round off the information separate practise reports about all cleaning methods are given from the industry. Intensiv-Filter also takes part in it. Theo Schrooten, technical director at Intensiv-Filter, will report in his lecture about the topic „energy-efficient filtering installations“. Theo Schroo-

ten will turn his special attention to the optimisation of plant technology and the reduction of operating expenses of filtering installations.

The third part, finally, contains the comparison and the choice of methods for respirable dust separation t

Application documents for the VDI Technikforum are here:

www.intensiv-filter.com/infos/messen-konferenzen-tagungen/

Intensiv-Filter positions itself with its new core message „We care for air“



Intensiv-Filter has anew defined the alignment of the company and will introduce in this context a new company claim. The new core message „**We care for air**“ expresses with clear language for what Intensiv-Filter stands: On the one hand for the customer promise to build efficient, effective and optimised filter plants and, on the other hand, for the know-how and sense of responsibility of the dust removal expert.

The new claim is not only a marketing weapon, but expresses the self-image of the company for sustainable dust removal solutions. It is no empty advertising promise but motivation and selfobligation for a successful future.

The inhouse developed claim had been tested in surveys before the introduction and is implemented during the coming months with all communicative devices. The claim is always spread in connection with the word-picture brand of Intensiv-Filter and substitutes the old claim „Mighty solutions for tiny particles“ and the supplement „Industrielle Entstaubungsanlagen Filtermedien“.