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News

Filtering technology is more than just dedusting

12.02.2020 News

Everywhere powder is produced by spray drying, the operator needs highly efficient filter plants. They avoid emission of finest dust particles and protect environment and staff from dust exposition.

The company Bewital is the technological leader in manufacturing animal feed. Each year 56,500 tons of animal feed for companion and farmed animals leave the manufacturing plant in Northern Germany. One of the innovative products of the petfood producer is the product BEWI-SPRAY:

Behind this product, honored with multiple awards, is an animal feed made of plant oil, for example rapeseed oil, for the nutrition of dairy cattle, pigs, poultry and fish. Vegetable fats especially for dairy cattle need to be transformed into a digestible condition. For this, Bewital has developed a special spray drying process. A very fine crystalline powder results from this spray drying. And everywhere powder is produced by spray drying, the operator needs highly efficient filter plants. They avoid emission of finest dust particles and protect environment and staff from dust exposition.

In the call for tender, a solution was demanded, which is designed for a high volume flow and also reduces product loss. Infastaub has recommended two aspiration filters of series

Infa-Lamellen-Jet AJL that are connected in series. Because of the volume flow of 50,000 m³/h the filter units were extended in depth. Parts in contact with the product are made of stainless steel which is unobjectionable to food.

The filter units are equipped with a joint hopper. The separated dust is discharged with the help of rotary valve and screw conveyor.

Dust separating takes place at the surface of antistatic pleated filter elements. They are cleaned from dust by impulses with pressurised air.

Filter units with pleated filter elements are very suitable when separating dry and non-sticky dusts. They achieve a maximum filter surface on minimum area due to the filter structure.



Market place

You find the market place for used filter units [here](#).

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