

Dedusting project

Pleated element filter with second filter stage for dedusting of a coater

An INFA-LAMELLEN-JET filter with additional filter cassette is used for dedusting of a tablet coating. The filter is determined for operating with potentially explosive dust. The explosion protection concept is to prevent explosions by avoiding effective ignition sources.

The volume flow of the filter unit amounts to 2,200 m³/h at a dust load of 1-2 g/m³. The 2-stage design ensures a residual dust content of max. 0.01 mg/m³. Pleated filter elements made of polyester fine fibre needle felt are installed in the cleanable 1st filter stage, a filter cassette of class H14 is mounted in the non-cleanable 2nd filter stage.

Technical data

Filter type		AJLS 1/403-1/40
Volume flow	[m ³ /h]	2,200
Filter material		Fine-fibre needle felt 1st filter stage, Glass-fibre fleece 2nd filter stage (H14)
Filter area	[m ²]	40 each filter stage
Residual dust content	[mg/m ³]	< 0.01

