

Dedusting project

Dedusting of a conveying to an extruder

In a plastic-processing plant Dryblend is suction-pneumatically conveyed to the extruders. An INFA-VACUTRON vacuum filter system, which collects the Dryblend batch and dedusts the conveying air, is mounted above the extruder storage hopper.

As soon as the batch is in the hopper of the filter system, the suction pressure is released by closing a valve in the suction pipe. The weight of the product opens the flap at the discharge of the vacuum filter system and the product is released into the extruder. The weight-loaded flap automatically closes after emptying the vacuum filter system. Afterwards the next batch can be conveyed.

Technical data

Filter type		Infa-Vacutron VAC 640-490-7 P
Volume flow	[m³/h]	350
Suction pressure	[bar g]	0.3
Filter area	[m²]	7.5
Filter material		Polyester fleece, antistatic

