



## Industry

### Application example

The demand on processes and products rise in all industrial sectors and consumer goods areas. A better surface finish or coating is often a component of these demands. Paints, lacquers and other coating materials consist mainly of a mixture of various finest powders which produce dust during production. Infastaub offers for all production steps suitable dust removal solutions which meet the high demands for product recovery and product cleanness.

Latex polymeric powder is produced in an Irish manufacturing plant. The product is gained as dry powder after a spray dryer. A downstream **INFA-MINI-JET bag filter** dedusts the gas flow. There is an explosion risk because of gaseous solvents within the exhaust air. Therefore, the filter is designed pressure shock resistant up to 9 bar g as well as all electric parts (solenoid valves, control unit, differential pressure switch) are protected for use within ATEX-zone 1 by pressure tight encapsulation.

The pressure shock resistant dust collecting bin should only be taken off when the manual shut-off valve at the discharge is closed. This is signaled by intrinsically safe limit switch. Split filter supporting cages are used because of the low ceiling height. The necessary height for changing filter bags is minimized thereby.

### Technical data

Filter type	<b>Bag filter AJM 1100-1400-17S, dsf</b> Dust collector with slewing device, hopper, shut-off valve and dust collecting bin	
Volume flow	[m <sup>3</sup> /h]	1,650
Pressure shock resistance	[bar]	10
Filter area	[m <sup>2</sup> ]	17
Filter material	Polyester needle felt, antistatic	



## Your contact person

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