Press Release

English version published: VDMA guide "Dust extraction systems - Fire and explosion protection"

The VDMA guide assists with the selection of protective measures for the safe handling of combustible dusts and explosive dust/air mixtures in dust extraction systems. In addition to the German edition, the guide is now also available in English.

Frankfurt, October 23, 2019 - Fire and explosion events can occur in dust extraction systems, which can lead to personal injury and property damage as well as operational breakdowns.

The Dust Removal Technology working group published a VDMA-Specification VDMA 24180 and a leaflet on the subject in the past. Based on this, the working group decided to update and standardize the contents of the previous documents in a new guide.

Guide already helpful in the design phase
This guide can assist both the manufacturer and the operator of a dust extraction systems to select the appropriate protective measures for the safe handling of combustible dusts and explosive dust/air mixtures when in a suspended state already in the design phase. The guide leads with a decision tree via simple queries to the measures required for each specific case.

In addition to the decision criteria for fire and explosion protection, the guide also comprises preventive primary and secondary measures in dust extraction systems. These serve to prevent the combustibility of dust deposits respectively explosion capability of dust/air mixtures or to reduce their flammability.

The guide is available as download at https://lr.vdma.org/en/publikationen.
Source: VDMA

The VDMA represents more than 3200 companies in the medium-sized mechanical and plant engineering sector. With 1.3 million employees in Germany and a turnover of 232 billion euros (2018), the sector is the largest industrial employer and one of the leading German branches of industry overall.

The Air Handling Technology Association comprises the departments Air Conditioning and Ventilation Technology (Process air as well as Ventilation and air conditioning), Refrigeration and Heat Pump Technology, Air Pollution Control (Process air), Surface Technology and Drying Technology.