

Measuring energy costs of dust filtering installations

Intensiv-Filter, Velbert-Langenberg, Germany, has unveiled its ProExpertise calculation programme which is designed to determine the optimum operating parameters of a dust filtration system. To identify the best solution all operational factors such as dust physical characteristics, filter surface load, cycle time, filter media, etc are analysed. With these values the energy consumption itself can be calculated. At a glance it can be identified whether it is more economical to increase or decrease, for example, the cleaning pressure as one of the variable parameters. ProExpertise can at the same time also offer guidance on technical plant layout providing, for example, an approximate estimate of required foot print and best filter selection. The resultant cost savings also benefit the environment, since less power consumption results in reduced carbon dioxide emissions.

Intensive-Filter, which has been trading for more than 85 years, offers a full range of products and services for filtering and dedusting systems, from planning, engineering and



production, to installation, commissioning and service. The product range includes process bag filter systems for up to two million m³/h, standard filters, circular filters, CIP-Filters, cyclones, cooling systems and fans. It also manufactures and distributes customised filter media. With over 400 employees, the Intensiv-Filter Group includes Infastaub GmbH and Silodux GmbH & Co KG in addition to Intensiv-Filter GmbH & Co KG. These first two companies make series-produced small filters and dust collectors, as well as sound insulation. www.intensiv-filter.com

Intensiv-Filter's ProExpertise calculation programme for maximising efficiency of dedusting installations