

Central Dust Extraction

Reducing Costs and Risk



If several filter systems and/or movable dust suction extractors are used at a single location, a central dust extraction arrangement might be a good idea. With several filter systems involved, instead of the dust collection container beneath the filter, a pneumatic conveyor is connected, which transfers the dust to a central filter unit. The closed system then opens into a contamination-free dust extractor, which is additionally housed in the containment at under-pressure. Instead of individual movable dust suction extractors, a composite system with a central dust extraction unit is used.

This may be a system which is branched over several levels, with air sockets for the suction hoses provided where they are needed. Because of the under-pressure required, which can be at 500 mbar, Herding often make use of round filters with side channel compressors. The company also provides systems in which filter installations and dust suction extractors are simultaneously connected to the central dust suction and filter arrangement. To achieve this goal, the installation is designed for an air volume of 2500 m³/h. ■

E-Mail: info@herding.de