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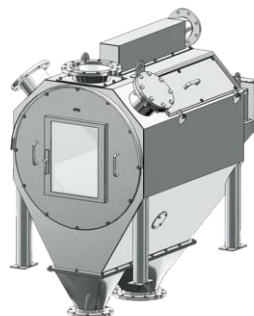
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Elutriators



Dust avoidance. Dedusting. Dust metering

The purity of bulk materials is a critical factor in the quality of the end product. Regardless of whether the focus is on minimizing product degeneration, cleaning products perfectly or determining the residual dust to comply with standards – Coperion's solutions offer the optimal mix of many years of process competence and globally leading bulk materials expertise. Even at the design stage of the conveying plant, the Coperion specialists ensure that dust generation will be minimized. For that reason, they select suitable pipe materials and flange connections and ensure conveying velocities to be in an acceptable range.

The use of hydraulic conveying systems is providing best results to meet the highest quality requirements. Our range of equipment includes sieves and separators for efficient cleaning of the product from dust and streamers.

KEY FEATURES OF OUR ELUTRIATORS & SEPARATORS

Diverting Counter-flow Elutriator (UGS)

This separator has proven its efficiency over the years and has been continuously optimized. The latest generation now provides two cleaning stages. With this the separating efficiency is further improved. The highly-efficient diverting counter-flow elutriator is suitable for most pellets, has been optimized in terms of output and gas consumption and can be fed directly either pneumatically or gravimetrically from a hopper. Throughput capacities of 120 t / h and more can be achieved.

Gravity Rotation Separator (SRS)

The gravimetrically fed rotation separator, offers capacities of up to 100 t / h and is well suitable for separation of dust and streamers of very soft and brittle granular products. Depending on the type, this dedusting takes place in 1 or 3 cleaning stages. The gravity rotation separator can be installed on the base, on the silo top or – depending on the available space – even between the silo and the tank car. It can also be supplied as a compact, transportable unit.

Horizontal Fluidbed Separator (HFS)

The HFS is suitable for pneumatic separation of dust and fibers from granular products in a fluidised bed (up to 40 t/h). The compact design (heights from 650 mm) provides most intensive and gentle cleaning. The HFS with integrated metering device is particularly applicable for difficult (soft, brittle, abrasive) products.

Drum Sieve (TSM)

The drum sieve is also fed gravimetrically. It is used both to separate streamers and streamer conglomerates. Used as a standalone or as part of a cleaning system, the drum sieve (TSM) is a compact, service friendly unit with fully automatic cleaning of the sieves.

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