AAS AERSTAR R 7

Embeddable filter **AERSTAR AAS R 7** for vacuum conveying systems for extremely high vacuum

Filter bag inserts removed from the top

Another variant of AERSTAR system is the separation of dust at high vacuum (to 8,000 daPa). With various model types (whether as a compact dust, dust collectors, as a product filter / reservoir or for use in pneumatic vacuum conveying systems) can be large conveyor lines of a pressure or suction pneumatic dust at very high separation efficiency.

The AERSTAR total separator has the same cleaning principle as all AERSTAR versions boasting extremely high filtration efficiency (resulting from the cyclone effect with tangential raw gas inlet).

Functional Description

The cleaning occurs during an online process (while the system is in operation). During the counter-current process, compressed air is blown into the inside of the filter bags with drawn-in secondary air. The mass inertia forces discard the dust that is adhering to the outer surface of the filter bag. This process repeats itself at precisely set intervals from one filter bag to another.

The intervals can be exactly set in relation to the dust concentration using the Pulstronic microprocessor control unit. The filter elements can be installed horizontally or vertically; the connections for the crude and pure gas are freely selectable. Because there are no sources of ignition within the filter, the AAS AERSTAR is approved and suitable for all explosion zones. If required, it can also be supplied as a pressure surge-resistant model or with pressure relief. The AAS AERSTAR can also be equipped with a fan which is directly attached to the system on the pure gas side.

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