Mist eliminator for ventilation systems

Version

The Colasit mist eliminator in plastic for corrosive exhaust air and gases consists of a rectangular housing, incorporated with standard separation packs in a two-layer configuration. The packs can be removed from the side for cleaning. All components are made of thermoplastic synthetics.

Material housing:	PP, PPs, PPs-el, PE, PVC, PVDF
Material Separator packages	PP, PVC

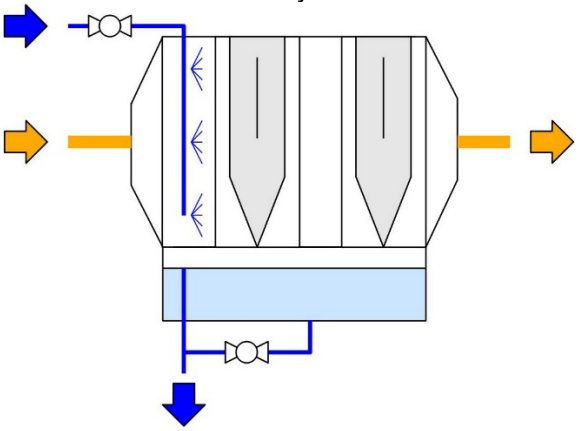
Fields of Applications

Mist eliminators are used wherever droplets of pollutant or process materials must be removed from liquid-laden waste air. This is the case, among others, in the surface-treatment, chemical, and electronics industries.

Function

The waste air drawn in by a plastic ventilator is passed through a grid section with repeated changes of direction. Because of their inertia, the droplets collide with the walls of the section, are then separated and can be removed from the system below.

Operating principle of a lamellar separator



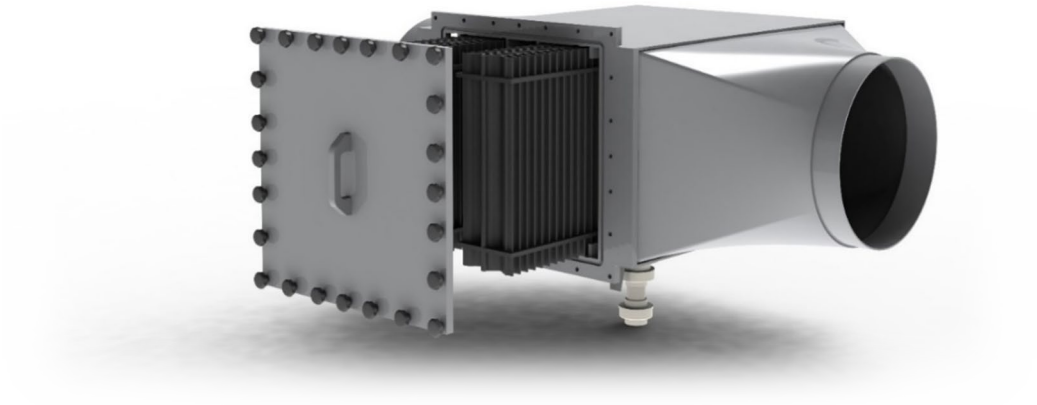
Schematic function diagram

Performance

The separation capacity is characterised by the smallest separable droplet (droplet limit). The sections used by COLASIT are optimally designed for each requirement. The rate of separation amounts to 99.9% of all droplets which are bigger than the droplet limit diameter.

Aerosols

If the waste air tends to form aerosols these can be effectively separated with a specially sized mesh.



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