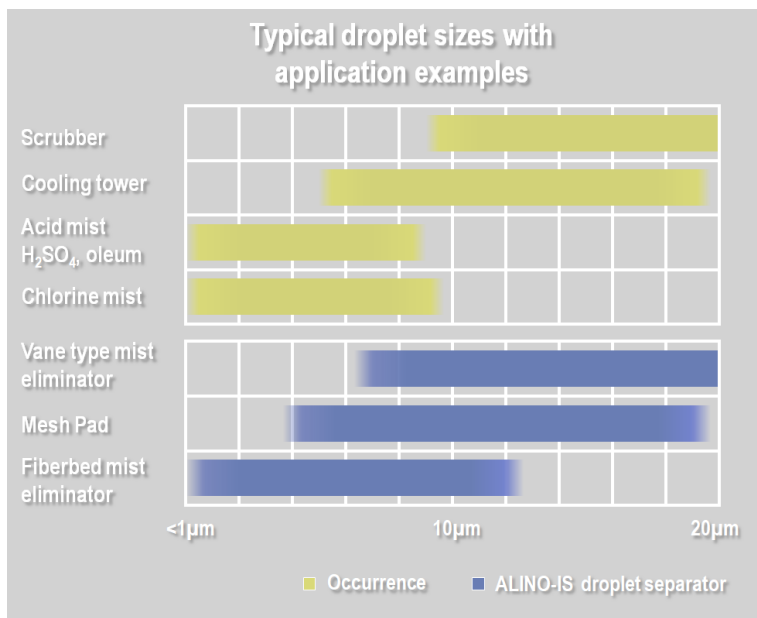


## MIST ELIMINATION

### Vanes

Various processes can be used to separate liquid droplets from a gas flow, depending on the desired fineness. Especially for large volume flows, lamellas are the ones most suited for coarse separation.



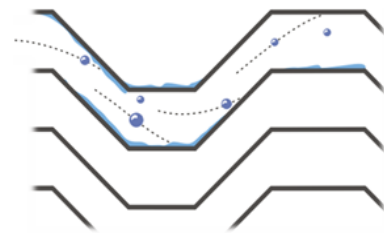
Alino Industrieservice offers a wide range of technologies for the separation of oil-water mixtures and droplet separation from process gas streams.

We offer solutions for every droplet size - matching the process for maximum efficiency.

### Vane type droplet separator

Vane droplet separators are robust insets, usually made of stainless steel or plastic. When passing through the lamellas, the gas flow is deflected several times, which causes droplets to be separated by the resulting centrifugal force.

In contrast to Mesh Pad or Fiberbed droplet separators, vane mist eliminators are largely insensitive to particles in the gas flow. This is due to a cleaning effect, which occurs when sufficient liquid is removed. The strength of this effect is dependent on the adhesiveness of the particles as well as the liquid viscosity.



## Complete solutions

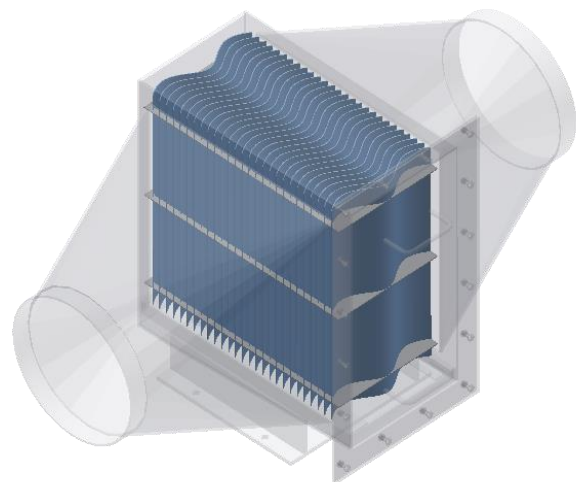
Vane mist eliminators are used for coarse separation of liquids from continuous gas streams. The robust insets can usually be used permanently without any performance loss over time.

## Process-integrated product recovery

Lamella droplet separators can be used to return valuable liquids to your process during production.

Each separator is individually designed and manufactured according to your specifications and wishes. This is how droplet separators from ALINO-IS achieve the best separation results, matched to the requirements of your process.

Due to the low flow resistance, the pressure loss is minimal.

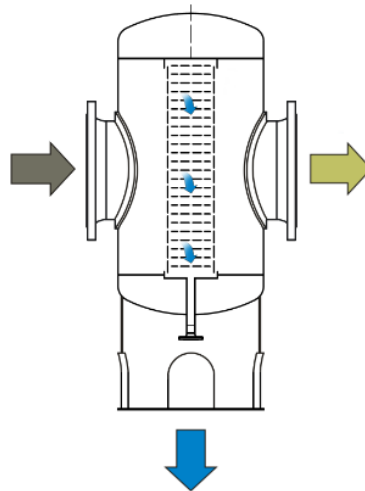


Equipped with a spray nozzle system, lamella droplet separators can be protected against deposits and contamination. Solids are continuously discharged through the liquid film without the process losing any of its performance.

## From small to big

The size of the unit is infinitely adjustable to your flow rate.

Lamella droplet separators are usually designed for the separation of droplets down to 10  $\mu\text{m}$  diameter. Smaller droplet sizes are also possible at a higher gas velocity if the resulting pressure loss is acceptable.



If you have any questions please do not hesitate to contact us. You can find us on the Internet at [www.ALINO-IS.de](http://www.ALINO-IS.de).

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