

# Leiblein

world of liquids



## Lamella-coalescence separator

Technologies for solid/liquid separation

## The lamella-coalescence separator

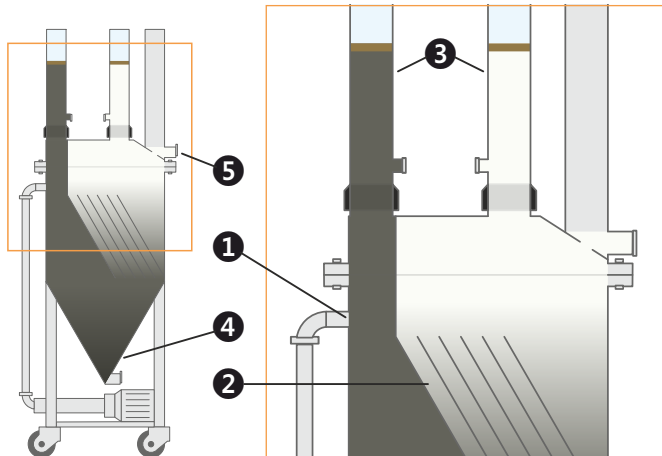
*Gentle cleaning of cooling lubricants*

The lamella-coalescence separator (SPKA) cleans liquids such as cooling lubricants and frees them of tramp oils and solids. Thus, the service life of cooling lubricants is increased. The lamella-coalescence separator is designed for the bypass operation and hence mobile application is possi-

ble. Due to a very low flow rate a higher degree of separation can be reached. In addition, it is possible to reach each production field through an intelligent design of the lamella-coalescence separator..

## Functional principle of the SPKA

*Technology made by Leiblein*



### Effective material and oil separation

The contaminated emulsion is pumped in the separator (1), where it flows through the inclined lamella panel to the top. In the lamella (2) fine droplets of the tramp oil accumulate on the bottom side of the plate, join to form bigger drops, ascend to the top due to their buoyancy and collect in the separator tubes (3). The solids sink to the upper side of the lamella panel and slide down into the sludge funnel (4). The purified emulsion leaves the SPKA through the drain (5).

## Fields of applications and designs

*Multiple applications*

The lamella-coalescence separator is mainly used to separate foreign oils from the cooling lubricant. Other uses are e.g. degreasing baths or glass grinding water used in the hollow glass manufacturing. For this reason the SPKA is perfectly suitable for the use in circulation systems. Another field of application is e.g. the pretreatment of oil emulsive waste water and cleaning water.

Each lamella-coalescence separator is designed for your specific use . In addition, we provide you all products as test and/or rental systems.



SPKA with magnetic separator and inclined filters



SPKA made of stainless steel with inclined filter

## Higher efficiency

*The advantages of our lamella-coalescence separator*

- No risk of clogging due to inclined plates
- No chemical changes of the medium
- No division of emulsions
- Protection against dry run or deterioration
- Increased service life of membrane systems

You have questions about the treatment of your medium? Do not hesitate and contact us!

**We would be pleased to advise you.**

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