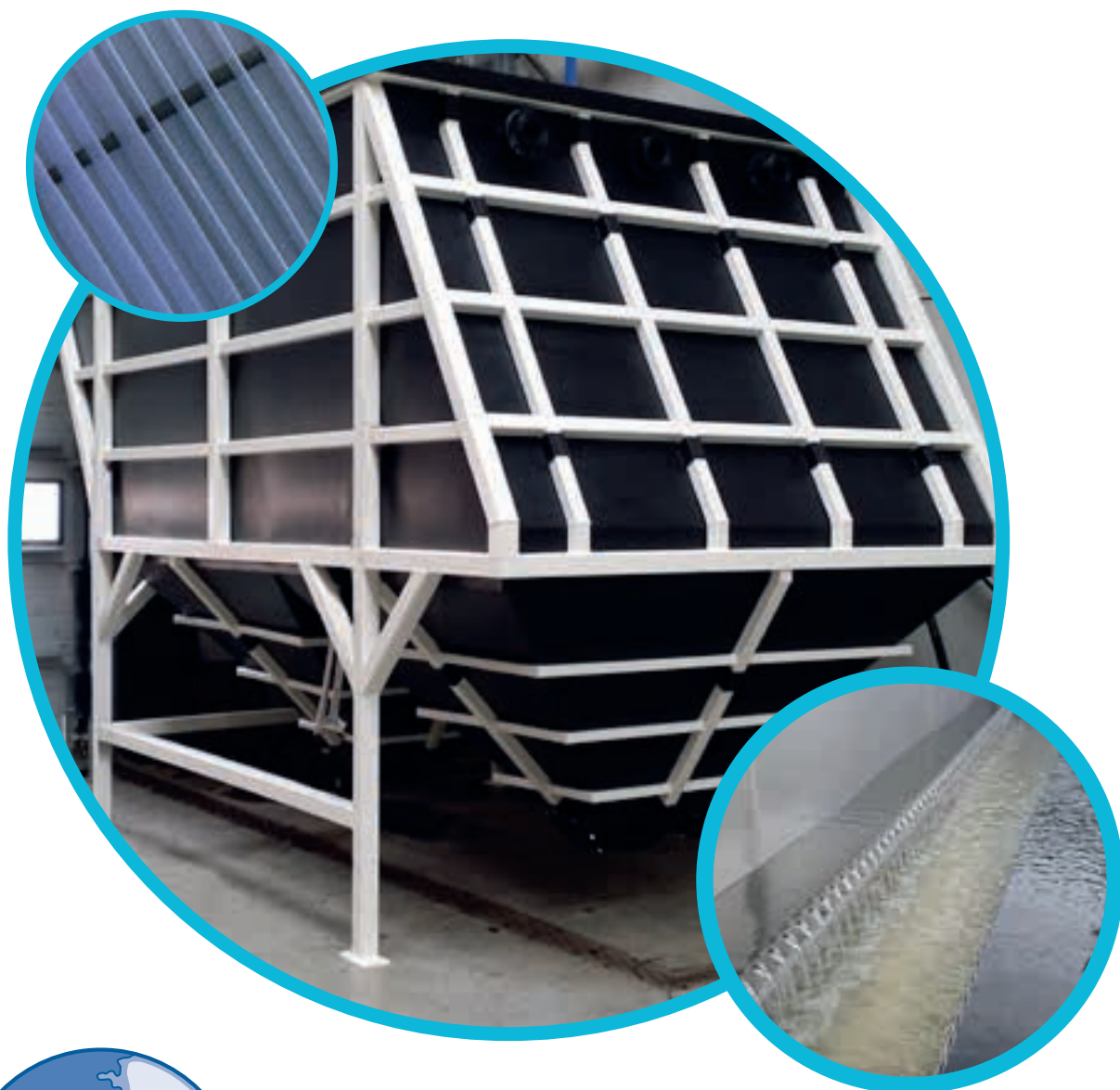




HIGH PERFORMANCE LAMELLA SEPARATORS



High performance lamella separators

"Novotec designs and produces lamella separators, adapted to treat a wide range of waste waters.

Lamella separators are used as pre-treatment, to separate solids and flocks of biological, physico-chemical or other origin out of the incoming waste water.

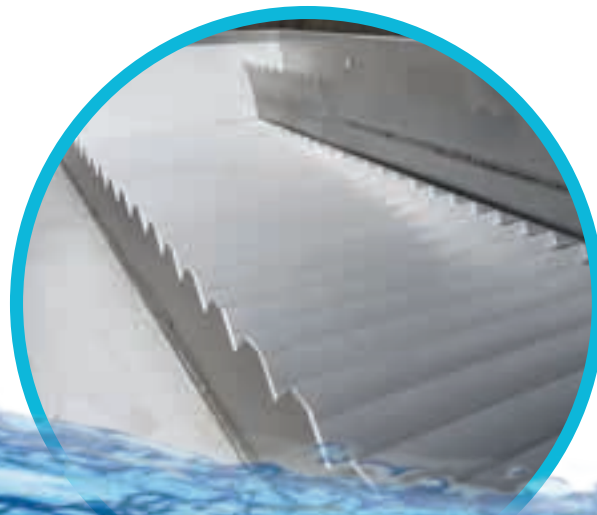
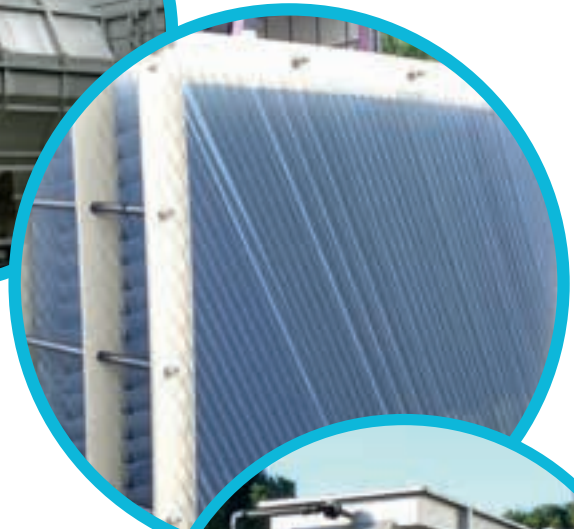
As post treatment, the lamella separator is used to separate biological sludge out of the effluent of biological reactors.

The unit consists of a clarifying tank fitted with lamella packages. It is intended to separate solids with a higher density than water. By creating laminar flow through the lamella packages, the solids are separated at high efficiency without the need of a large ground surface area. The unit has no moving parts and works solely on the principle of separation by gravity. By fitting settling cones on the bottom, the separated sludge is collected. Pneumatic valves are used to drain the sludge from the cones.

Depending on the customer need "counter flow" or "cross flow" lamella packages are available.

For easy replacement and cleaning purposes, the lamella packages are integrated in frames.

In case the waste water contains both settling and floating matter, the lamella separator can be fitted with an optional scraper system – allowing the floating layer to be removed continuously.



Characteristics

- Reliable and proven technique.
- Counter flow and cross flow design.
- Compact footprint.
- No moving parts.
- Low energy consumption.
- Maintenance free.
- Wide variety of applications.



Applications

- **Food industry:** breweries, potato industry, starch removal, industrial bakeries, ...
- **Agricultural and Agro industry**
- **Mining and cement industry**
- **Recycling industry**



- Capacities from 1 to 400 m³/h.
- Material: Stainless AISI 304 and 316 and plastic HD - PE / PP.
- Custom made lamella packages to fit your installation.
- Rental units available.



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