



# Drain screw conveyor



## Design

A major issue when designing by-product plants is to find ways to reduce energy consumption and lower operating costs for the benefit of the customer. And here is removal of water a key issue. It demands a lot of energy to bring water from fluid phase to vapour phase in the subsequent drying process. Here is where the Lildal drain screw conveyor comes to it's right as an alternative to a more expensive decanter or press solutions, because of lower investment cost and simple design.

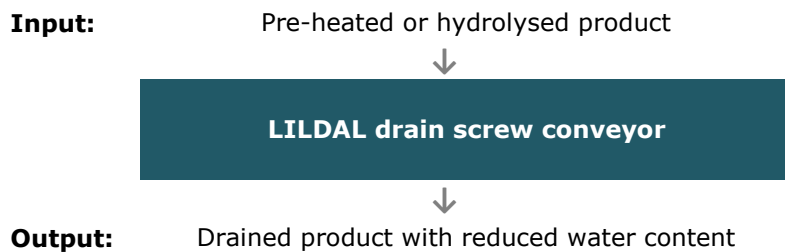
The Lildal drain screw conveyor is in principle a normal screw conveyor but equipped with a drain section draining free water from the pre-heated or hydrolysed product.

Each Lildal drain screw conveyor is designed to meet the specific requirements at the customer based on screw capacity and free water content in product.

The drain section consists of a perforated plate where the number and diameter of the holes in the perforated plate is designed especially for the product in question. As for the length of the drain section which also depends on the type of material.

Resulting in an optimized solution specially designed for the process in question.

## Process



Design Features	Customer Benefits
Customized drain section	Optimized water drainage lowering heating costs
Access doors to drain section	Easy cleaning and inspection of drain section
Detachable drain section	Easy maintenance of drain section
Screw turns running with closest possible tolerance to perforated drain plate	Optimized drain efficiency

Distributor/ Agent