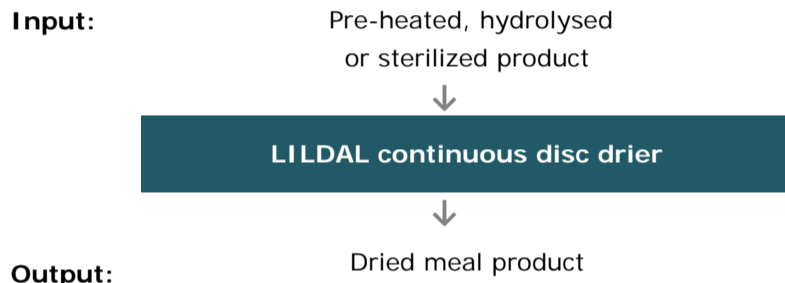




Continuous disc drier



Process



Design Features	Customer Benefits
Rotor and stator available in mild or stainless steel or combination of both	Always possible to find the most economic drier solution for the product in question
Double plated discs with channels for the steam optimizing the heat transfer	Effective drying of the product and large heating surface per disc
The discs are not welded directly on the rotor pipe	The strength of the rotor pipe is maintained which gives a strong construction and long lifetime
Steam inlet and condensate outlet pipes are pairwise placed in a spiral along the inside of the rotor pipe	The strength of the rotor pipe is maintained which gives a strong construction and long lifetime
Bolted rotor axle ends	Reduction of maintenance costs
The stator can be equipped with dimple jacket as option	Cost efficient way to increase the heating surface
Easy detachable stator end plates	Easy access and reduction of maintenance costs
Compact drive line with hollow axle gear unit secured directly to the stator	Compact drier solution delivered as a unit
Rotor axels is embedded in free standing roller bearing housings	Easy access and maintenance

Design

The disc drier concept is the most effective but yet gentle way to continuously dry a product.

Each disc consists of two round plates welded together with channels in between for the steam and condensate.

This design ensures a large heating surface per disc and an optimized stream distribution resulting in an effective heat transfer in a compact design.

Our goal when designing the Lildal drier was to make a strong construction and to ease service and maintenance.

This has been achieved by:

- A rotor with large heating surface in a compact design
- The strength of the rotor center pipe have been maintained by shrinking the discs onto the center pipe and by displacing the steam inlet and condensate outlet pipes along the center pipe
- The rotor is mounted with bolted axle ends making maintenance of the rotor easy
- The stator is equipped with large inspection openings
- Each end of the stator is mounted with bolted end plates
- The stator is as standard prepared with brackets for mounting of inspection platform
- The rotor is embedded in free standing roller bearing housings making maintenance easy
- The drier is delivered with shaft mounted gear with gear stay secured to the stator resulting in a compact design.

Short description of continuous disc drier

Drier: Drying of the product

Each Lildal continuous disc drier is designed to meet capacity and requirements of the product it has to dry.

There is various variables to take into consideration when designing the drier for a specific product, such as water content, fat content and sensibility to heat.

Distributor/ Agent



Product info

Continuous disc drier

Technical specifications

Dimensions

Size depends on product and capacity - please ask us

Configuration

Standard

Rotor in mild steel

Stator in stainless steel

Shaft mounted gear box

Inspection doors with sight glass

Options

Rotor in stainless steel

Stator for vacuum (Low temperature cooking)

Feed screw or raw material pump (Piston or Lamella type)

Discharge screw or drain screw for de-watering

Safety valve for the stator

Steam and condensate system

Inspection platform



Certification

The rotor is approved in accordance with

the European Pressure Equipment Directive PED 97/23/EC

In general does the equipment from Lildal comply

with applicable European standards



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