



LACKEBY HEAT EXCHANGER SLUDGE/WATER

High heat transfer technology  
designed with a minimal  
footprint



## LACKEBY HEAT EXCHANGER SLUDGE/WATER



When high performance, low costs and simplicity are the priorities

The Lackeby Heat exchanger sludge/water is a uniquely designed unit for medias with a high viscosity. The patented turning chambers enable us to design the heat exchangers for the highest possible heat transfer as well as meeting demands for a small footprint. The design also ensures that the heating or cooling system runs with as low a load as possible in order to keep the operating cost low.

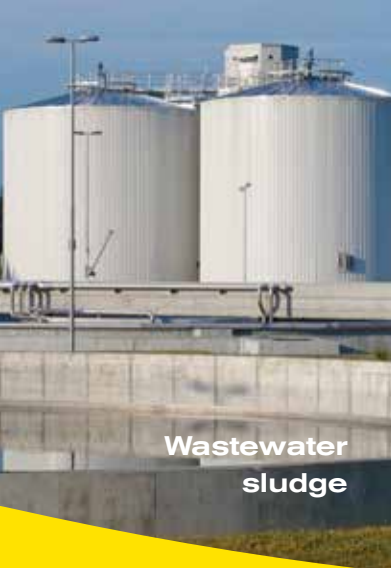
### Sludge applications

- Direct heating or cooling of raw or digested sludge on the feed line
- Heating and/or cooling of digested sludge by digester or pasteurization circulation
- Energy recovery from heated sludge.

### Wastewater applications

- Wastewater cooling in for example biological tanks
- Energy recovery from outgoing wastewater.





**Wastewater  
sludge**



**Wastewater**



**Manure  
from farms**



**Food and  
household  
waste**



## Made in Sweden

Lackeby has more than 25 years of experience in designing and manufacturing high performance products for efficient use of energy resources.

More than 700 Lackeby Heat exchangers have been supplied to both industrial and municipal plants in over 25 countries worldwide.



# New developments

## Safer transport

Security bars for shipping have been added to allow us to secure the unit for safer transport to your plant.

## Simplified maintenance

All units will have the possibility to be hinged on either side to enable easy access for inspection and maintenance.

## High resistance gasket

Gaskets are now made of an improved material which is highly resistant to oil and high temperatures.

## Gasket spacer bars

Newly implemented spacer bars further extend the lifetime of the gasket and lower the time and cost for maintenance.

## Lackeby Heat exchanger sludge/water

Modular design sludge/water heat exchangers from Lackeby are robust, compact, easy to install and maintain and are highly reliable. Circular sludge channels ensure that large particles can be managed but also keeping the risk for clogging to a minimum. The innovative design with patented turning chamber assures high energy transfer and low pressure losses. Further on, this robust and modularized product has all features for high reliability and low maintenance requirements.

## Green energy with a sludge/sludge configuration

By connecting two sludge/water units with a water loop we can recover the already added energy to pre-heat the sludge earlier in the process. The design with a water loop eliminates the risk of contamination and provides flexibility which allows the possibility to control the process temperatures.

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*Lackeby Products AB has more than 50 years of experience in designing and manufacturing high performance products for resource-efficient heat recovery and wastewater recycling. In our production facilities in Sweden we have made thousands of products for the toughest environments world wide. We are well known for our ability to customize products to each customer's unique requirements. All of our products are characterized by reliability, long life cycles and easy maintenance making Lackeby Products a trusted partner and supplier of products for plant upgrades or new plant constructions. We guarantee high quality, excellent performance and complete satisfaction.*

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