



The key product of Westcome Heat Exchangers ApS is the patented heat exchanger designed for heat exchange of high viscous liquids and masses, directly and as smooth as possible.

Established in 2006 and since fabrication of the first prototype the same year, Westcome Heat Exchangers ApS has carefully developed the product into the present version V3, holding yet another patent.

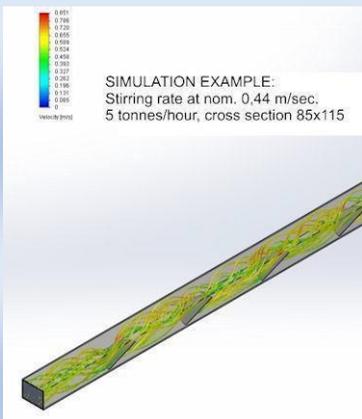
Since 2016 Westcome Heat Exchangers ApS has been expanding outside Denmark with the V3, based on long term user experience with working heat exchangers in Denmark.

The design is based on user experience with added technical knowledge of how to heat exchange viscous and often difficult liquids and masses in a smooth manner

Our patented heat exchangers offers:

- * **Extremely low pressure loss,**
- * **High efficiency,**
- * **No maintenance,**
- * **No blocking / dry matter separation,**
- * **No cleaning,**
- * **No fouling,**
- * **No gaskets, / No contamination,**
- * **Long service life,**
- * **Compact installation/flexible sizing,**
- * **Standard Insulation,**
- * **Stainless grade AISI316 as standard,**
- * **Works with different flow rates,**
- * **Operates with heat pumps,**

See more on www.westcome.dk



Designed for heat exchange of high viscous liquids and masses:

By using simple, yet innovative and patented design details, designed to address the issues that other types of heat exchangers often deal with, performance and, efficiency have proven to be successful in working installations.

A few design highlights:

- **Forced stirring**: Instead of trying to stir the mass by means of a high flow rate, the Westcome Heat Exchanger uses forced stirring with small plates, inside the channels, enabling stirring of the mass by simple moving through the channels at flow rate as low as 0,25 m /s.

- **Large channel dimensions**: As the flow rate is low, the channels are large. With channels larger than the piping carrying the mass to and from the heat exchanger, clogging will not occur in the channels.

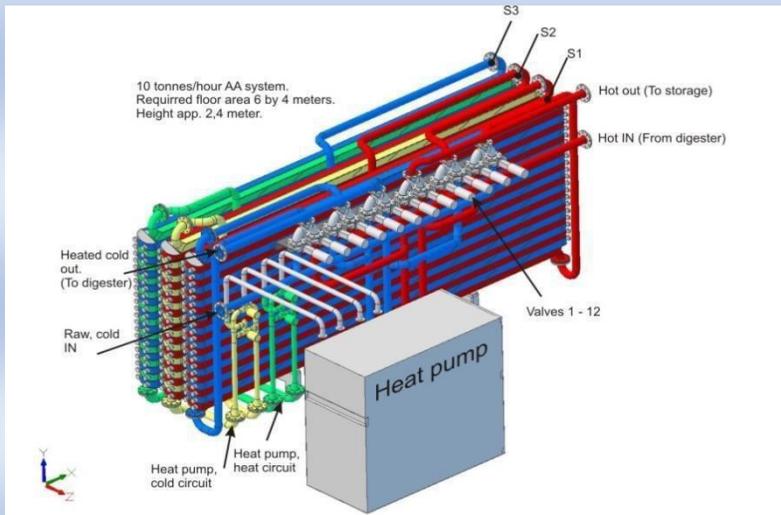
- **Same cross section throughout the channels**: As the channels have exactly the same cross section from start to end, there are no areas, where the mass is can either stand still (dead zones) or turbulent in an undesired manner. (hot zones). Therefore, no working Westcome heat exchanger has ever experienced fouling.



For all installations and requirements:

The design is extremely scalable. A Westcome Heat Exchanger works on high viscosity masses in one circuit and low viscosity masses in the other circuit if desired.

As an all-welded construction with no gaskets, it tolerates different back pressures in each channel, making it work seamlessly on different viscosity masses on each side. It further works with flows with different flow rates, without any risk of damage and without compromising the overall efficiency.





Manure / Manure 8 m³ / h



Sludge / Sludge 13 m³ / 7 m³ / h



Sludge / Water 16 m³ / h



Sludge / Sludge 16 m³ / h

Sludge / Sludge 8 - 10 m³ / h



Problematic access is not a problem even if it seems not to be possible.

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