

Paddle mixers

Applications

Industry:

Foodstuffs, Chemicals, Pharmaceuticals, Biomass, Plastics, Paper, Pet food, Cement, Sugar and many others

Advantages:

- Continuous mixing
- Adjustable retention time
- Tried and tested concept
- Little or no maintenance required
- Counter-mixing
- Short mixing times

Versions:

Single or double shaft systems; fixed or adjustable paddles; spring bottoms; hinging lids. Brushed steel finish. Our experts are always ready to answer your questions.



Double-shaft paddle mixer for mixing filter cake with dry additives. Two shafts are powered by single drive.



Double-shaft paddle mixer with breaker pins for breaking agglomerates that are produced during the mixing of sticky products.



Double-shaft paddle mixer for mixing fly ash slurry with dried fly ash. The shafts are powered separately. Paddles are made of hardened steel and welded on with Vautid 100. Average hardness 750 to 1000 HV

Description

Klinkenberg paddle mixers are very popular for processing DDGS (distillers dried grains with solubles) and DGS (distillers' grains and solubles). The solubles are reduced by evaporation to a syrup and mixed with 30% dry matter. By combining the dried grain and solubles, you get DGS, which is dried in a ring dryer or flash dryer to produce DDGS. This process is used to produce starch, glucose and bioethanol. The gluten separated in the process is used in many animal feeds.

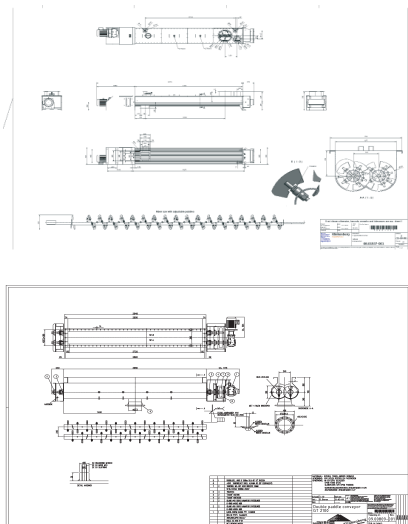
Options:

The paddle mixers are available in many types and sizes. They can be made in stainless steel or other materials, including wear-resistant materials. Can be supplied with ATEX certification.

Application:

Many industries use Klinkenberg breakers. Examples are the foodstuffs, chemical, pharmacy, animal feed, and sludge processing industries.

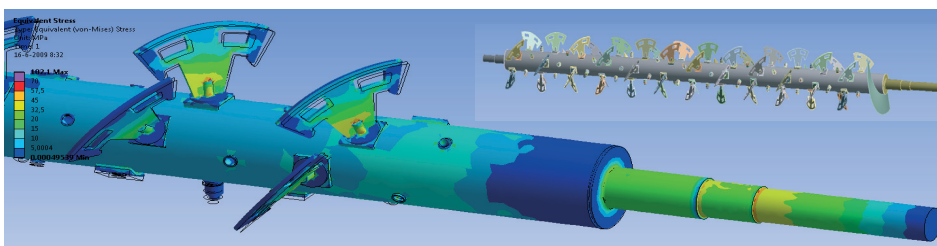
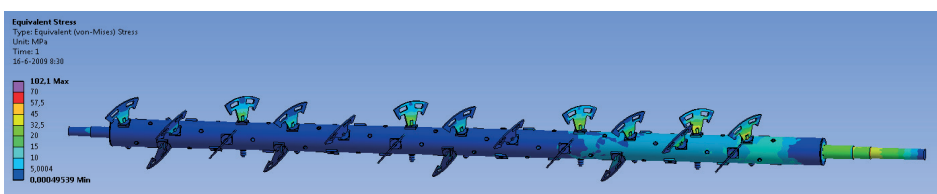
3D Design



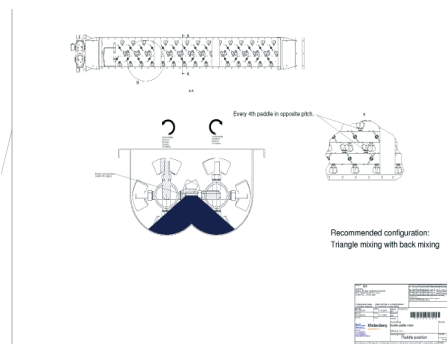
Data

Model	Volume	Capacity	Material
KPM-335	N.A.	2000 / 5000 l/h	CS / RVS
KPM-485	N.A.	5000 / 20000 l/h	CS / RVS
KPM-585	N.A.	20000 / 40000 l/h	CS / RVS
KPM-685	N.A.	40000 / 70000 l/h	CS / RVS
KPM-785	N.A.	70000 / 90000 l/h	CS / RVS

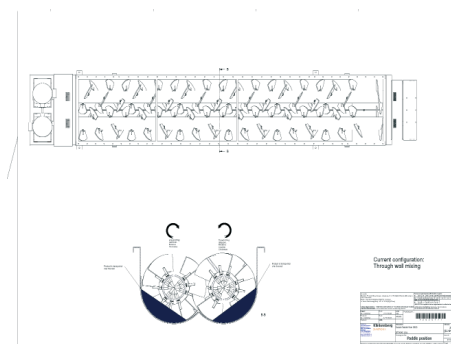
Uitvoeringen / Opties



Loads on the paddles and shaft are calculated using Ansys workbench 11 (FEM)



Product position: mixing by triangle or in centre. For intensive mixing of the basic products.



Product position when mixing in wall position.