



Cost savings due to new hole design NDuraPlate B for pulpers

Better quality of the stock suspension

Screen plates play a significant role in the accept quality of pulp. They ensure stock suspension cleanliness by filtering out impurities. The nature and design of their screen openings influence the slushing, duration and quality of the pulping process.

With the NDuraPlate B, a completely newly screen plate design is available, providing significant improvements in yield, efficiency and throughput. The newly developed kidney bean design features a significant larger working edge as well as an increase of the size of the open area.

Extraordinary defibering property due to specially designed defibering edge

The new perforation design results in significant cost savings. The improved hole shape of the NDuraPlate B leads to a gentle slushing process as well as a better defibering quality of the raw material. The enlargement of the working edge size generates an improved reduction of the flake and loss. Furthermore the increase in throughput is significant.

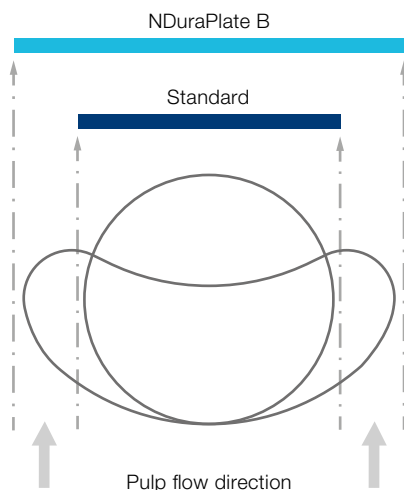
These NDuraPlate B advantages lead to a high decrease of the specific power consumption. All in all the significant cost savings result in a return on investment in short time.

Kidney bean design enables a larger open area

The screen plate Standard has a relatively small working edge and open area, because of it's round hole design.

In comparison, the NDuraPlate B's innovative kidney bean shape features an expanded defibering edge by 75 %. In addition, the size of the open area is increased by up to 40 %.

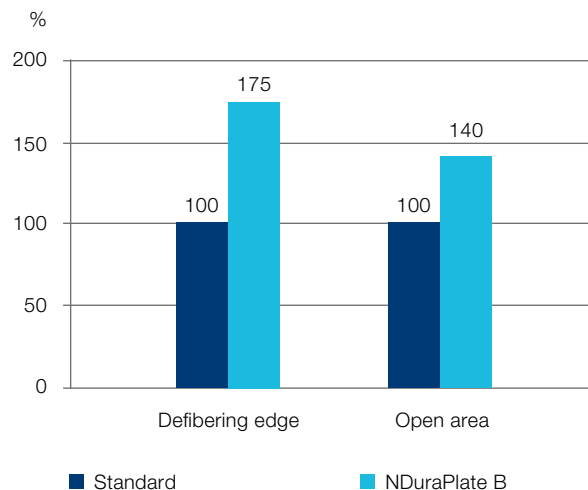
Comparison enlargement and perforation of the defibering edge



Your benefits NDuraPlate B

- + Longer service life due to better wear resistance
- + Improved deflaking effect due to longer working edges
- + Reduction of the specific energy consumption
- + Increased pulping capacity
- + Constant performance over the life time

Comparison size of the defibering edge and open area



Technical data of installation

SP320 GW continuous pulper	Before	After
Installed power	315 kW	315 kW
Power consumption	243 kW	220 kW
Rotor RPM	190 min ⁻¹	190 min ⁻¹
Throughput	6 770 l / min	7 030 l / min
Accept flake content	13,9 %	8,4 %

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