

SALOMIX™ SSF cuts the energy bill by more than 60%

Sulzer was looking for a field test installation for the new SALOMIX SSF100 side-mounted agitator. A Swedish customer was interested in the energy savings the agitator could offer compared to the existing one. Once the SALOMIX was running, the actual power saving was measured to be 45 kW.



SALOMIX SSF did not only achieve a remarkable power saving, but the customer was also able to cut the high maintenance cost and get a compact installation.

Mats Rosengren, Area Sales Manager, Sulzer



Old agitator installation



Compact SALOMIX SSF installation

The project

The customer is a world-leading manufacturer of packaging carton and liquid carton intended for users with very high demands on efficient, creative and functional packaging solutions. The mill runs old agitators of Jylhåvaara type in several storage towers.

The power consumption of one of the installed agitators with a 75 kW motor was high. The mill was facing:

- High power consumption and consequently high operational cost
- Reliability problems
- Difficulties to find spare parts

The solution

Sulzer replaced one of the old agitators (75 kW motor) with a SALOMIX SSF100 (30 kW motor) equipped with an EX3 propeller in October 2020. The agitator runs smoothly, and the vibration level is low. The calculated energy saving was realized because the EX3 propeller saves more than 60% energy compared to the previous agitator. The same process performance is still achieved.

Customer benefit

- Power consumption reduced from 71 to 26 kW, a saving of 45 kW
- Smooth operation with low vibrations
- High reliability
- Cost-effective Sulzer double mechanical seal SAC2
- Compact installation

The power savings were achieved immediately after start-up. The customer therefore decided to buy the installation shortly after.

Product data

Agitator model: SSF100-130 with a 30 kW motor
 Propeller: EX3-1300
 Energy savings: 45 kW, more than 60%
 Seal type: Double mechanical Sulzer SAC2
 Support legs: Advanced type

Contact

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Learn more about the SALOMIX SSF on [sulzer.com](https://www.sulzer.com)