



- Maximum efficiency
- High reliability
- Minimized total cost of ownership (TCO)

New AGISTAR™ SSA Side-Mounted Agitators – Efficiency by Design

Sulzer continuously strives to reduce the environmental impact. With the new AGISTAR SSA, we have taken a significant step to further decrease power consumption with groundbreaking efficient hydraulics. Through cost effective innovations, a new propeller design and extensive knowhow, Sulzer can also minimize the total cost of ownership (TCO) in your agitator applications.

Maximum efficiency

- New high-efficiency hydraulic (patent pending)
- High pumping capacity and high axial thrust
- Precise selection – not oversized, not undersized
- Compatible with IE4 motors

Minimized total cost of ownership (TCO)

- High-efficiency hydraulics provide substantial savings in power consumption
- Low operational cost and minimized service needs due to robust construction
- Easy and fast installation thanks to innovative design
- Low spare part costs due to high standardization

High reliability

- Bearing lifetime more than 200,000 hours
- Strong shaft with minimal deflection
- Smooth hydraulic and rigid construction ensure low vibrations and long lifetime of seals and bearing

Service friendly

- Adjustable blade angles allow performance flexibility without any additional investments
- Easy access to gland
- Easy handling of belt guard



Operating data

50 Hz	Nominal propeller diameters	60 Hz
800 to 1,300 mm		32 to 52 in
7.5 to 75 kW	Power	10 to 100 hp

Main applications

For demanding applications in various industries, such as:

- Paper stock as well as other pulp and paper applications
- Biofuels industry
- Food industry
- Municipal and industrial wastewater and sludge

Large savings in total cost of ownership

Due to improved hydraulics, reliable construction and smart solutions, Sulzer can offer a significantly lower total cost of ownership with the new AGISTAR SSA agitator. Throughout the agitator's entire life cycle, your energy bill will remain the highest portion of the TCO. This superior TCO is not only

a result of the new efficient hydraulics, but is also thanks to improvements Sulzer has made on the construction of the agitator.

The example below shows the substantial savings that can be achieved with the new AGISTAR SSA.

This case is calculated for a paper pulp application with a consistency of 3.5% and a tank volume of 80 m³. The savings are compared to another agitator over 10 years.

Typical Distribution of Total Cost of Ownership

