

Pumping and mixing solutions for the biofuels industry

Biofuels from renewable sources show great potential as sustainable transportation fuels. Based on our experience in demanding processes, we offer you advanced pumping and mixing solutions for the production of bioethanol, biodiesel and biogas. We support our customers with the development of environmentally-friendly technologies for pilot, demonstration and commercial plants. Sulzer is a recognized and trusted supplier in the first and second generation biofuels market. With thousands of installations around the world, our products have stood the test of time.

Proven expertise

We have core competencies based on close partnerships with key OEMs and end users.

By working with Sulzer, you benefit from:

- Superior application knowledge with long experience
- High product reliability and quality
- Custom-engineered solutions to meet specific needs

Products that match

- State-of-the-art equipment for reliable operation in challenging conditions
- Wide choice of centrifugal and positive displacement pumps, agitators, submersible pumps and mixers, aerators and compressors
- Energy-efficient products with low life-cycle costs and a smaller environmental footprint
- Complete pumping systems for hot, abrasive and corrosive liquids with up to 18% dry solids content





Service at your doorstep

Wherever you are, Sulzer is close by to bring personal, knowledgeable support and qualified services for the entire product life cycle, day and night. You can trust us to serve your installed base with our original Ensival Moret and Sulzer spare parts.

Process	Р	М
Biomass pretreatment	\checkmark	\checkmark
Hydrolysis and saccharification	\checkmark	\checkmark
Fermentation	\checkmark	\checkmark
Distillation	\checkmark	
Residue handling	\checkmark	\checkmark
Dehydration	\checkmark	
Oil extraction and transesterification	\checkmark	\checkmark
Hydrotreatment and isomerization	\checkmark	\checkmark
Final products storage	\checkmark	\checkmark
Auxiliaries (power, cooling, CIP, etc.)	\checkmark	\checkmark
Water and wastewater treatment and re-use	√	√

Extensive product coverage

Through a wide portfolio, we propose you the most adapted pumping, mixing and aeration solutions. Our highefficiency products with various materials (duplex, corrosion-resistant and/or high hardness alloys, etc.) and numerous options (dynamic seals, degassing systems, etc.) improve the performance, reliability and sustainability of your bioethanol and biodiesel plants.

Process pumps



process pump



non-clogging pump



AHLSTAR W wear-resistant pump



A, N and W self-priming and gas removal pumps



SNS process pump



Specialty pumps



CAHR axial flow pump



EMW slurry pump



ZPP and SMD



MBN multistage



MC and MD boiler feed pumps

Accessories



Vertical pumps



SIL vertical inline pump



NK/WK and VA/VAP vertical cantilever pumps



NV and VM vertical slide bearing pumps



SJT vertical turbine pump





Sulzer Sense

PD pumps



Herold pump



PC transfer pump



PC dosing pump

Agitators



Scaba and SALOMIX top-mounted agitators



SALOMIX SSF side-mounted agitator



SALOMIX SSA side-mounted agitator

Submersible pumps and mixers



AS submersible pump



Piranha submersible grinder pump



heavy duty pump



VUPX submersible propeller pump



RW and XRW submersible mixers



Aerators and compressors



OKI submersible aerator mixer



XTA and XTAK submersible aerators



DDS disc diffuser system



HSR turbocompressor

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