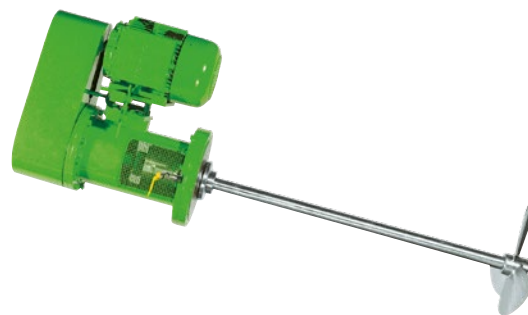


SSR SERIES

Side Entry Mixer

The Ideal Through-the-Wall Approach

The SSR side entry agitator was developed as a low cost alternative for large tank applications. It is used for blending, suspension and heat transfer applications. Features include quiet operation, high pumping capacity, advanced seal design plus shut-off for seal replacement while tank is filled.



Advantages

- Optimum design of casted or welded housing.
- High efficiency axial flow impellers.
- Multiple agitator arrangements with optimized vertical/lateral angle for super large tanks.
- Driver unit with IEC/NEMA motor plus belt drive or gearbox and motor.
- Sealing systems range from stuffing boxes to process adapted single or double acting mechanical seals.

TECHNICAL DATA

Casted housing	Optimum design of casted housing
Impeller	High efficiency marine-type impeller
Mechanical seal	Special mechanical seal designed for side-entry agitators
Shaft diameter	40 - 125 mm
Shut-off device	Seal replacement while the tank is filled, shaft remains supported during removal of mechanical seal
Motor power	4 - 90 kW
Materials	SS304 / 316L / 316Ti or on request
Models	SSR-K, SSR-H, SSR-E
Key applications	Chemical Processing: Inorganic Chemicals, Specialty Chemicals, Solvents/Solutions

APPLICATIONS AND FEATURES

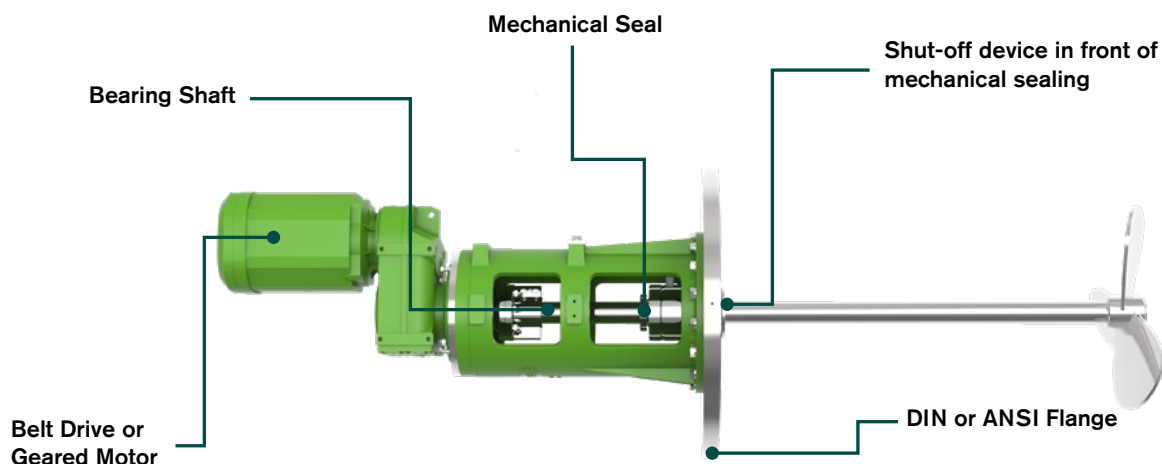
Side entry tank mixing in biogas plant

Three side entry mixers were installed due to the substantial size of the vessel. Since the vessel is glass-lined, each mixer was equipped with a supporting structure. The optimal installation points were determined using Computational Fluid Dynamics (CFD) flow simulation.



Side entry tank mixing for large suspension vessel

In order to optimize the dispersal of air into the suspension, laboratory tests were conducted to determine the most effective design for positioning the gassing lances alongside the mixers.



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